

## **Virallisten lajikekokeiden tulokset 2004-2011**

**Arjo Kangas, Antti Laine, Markku Niskanen, Yrjö Salo, Martti  
Vuorinen, Lauri Jauhiainen ja Hannele Nikander**



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**Results of official variety  
trials 2004-2011**

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Matti Vuorinen, Lauri Jauhiainen ja Hannele Nikander**



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## Tiivistelmä

**V**irallisia lajikekokeita tehdään uusi-en kasvilajikkeiden viljelyarvon arvioimiseksi. Tiedot kasvilajikkeiden saatoisuudesta, viljelyominaisuuksista ja sadon laadusta auttavat viljelijöitä ja pellon tuotteen jalostajia valitsemaan oikeat lajikkeet käyttöönsä. Myös kasvilajikeluettelo on otettavat lajikkeet päätetään virallisten lajikekokeiden tulosten perusteella.

Lajikkeiden viljelyarvoa arvioidaan käytännön viljelyä vastaavissa kenttäkokeissa, joissa uusia lajikkeita verrataan tunnettuihin mitarilajikkeisiin. Kokeet toteutetaan valtakunnallisesti kattavasti, vuonna 2011 kahdellatoista eri koepaikalla. Lisäksi järjestetään erityisiä kokeita viljojen taudinkestävyyden ja ohralajikkeiden happamuudenkestävyyden selvittämiseksi. Leipäviljoista tehdään leivontakokeet.

Uuden kasvilajikkeen viljelyarvo selvitetään kahden vuoden kokeilla. Monivuotisilla nurmikasveilla koejakso kestää kuitenkin perustumisvuoden jälkeen kolme satovuotta. Lajikeluettelo on valituista lajikkeista voidaan peruskoejakson jälkeen tehdä täydentäviä neuvonnallisia kokeita.

Lajikekokeiden tulokset esitetään kahdeksan vuoden yhdistelminä. Tulokset analysoidaan käyttäen lineaarisia sekamalleja.

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### Avainsanat:

*lajikkeet, leipävilja, rehuvilja, palkokasvit, öljykasvit, nurmikasvit, peruna,*

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## Viralliset lajikekokeet

**V**irallisen lajikekokeiden tehtävänä on selvittää uusien peltokasvilajikkeiden viljelyarvo. Kokeista säädetään maa- ja metsätalousministeriön asetuksessa 51/2004. Peltokasvien viralliset lajikekokeet järjestää Maa- ja elintarviketalouden tutkimuskeskus MTT. Kokeet toteutetaan laatujärjestelmän mukaan.

Kokeissa selvitetään uusien lajikkeiden viljelyarvoa, viljelyvarmuutta, satoisuutta ja laatua. Lajikkeen omistaja ilmoittaa lajikkeen kokeisiin. Lajike on virallisissa kokeissa yleensä kaksi vuotta tai kunnes se hyväksytään kasvilajikeluetteloon. Tämän jälkeen lajike voi olla yhden vuoden täydentävissä kokeissa MTT:n toimesta. Tämän jälkeen lajikkeen omistaja voi vielä halutessaan ilmoittaa lajikkeen lisäkokeisiin.

Lajikekokeet tehdään kunkin lajikkeen viljelyyn soveltuvalle alueella. Ne ovat käytännön viljelyä vastaavia kenttäkokeita. Kokeita on vuonna 2011 ollut kaikkiaan 11 koepaikalalla (Kuva 1). Virallisia lajikekokeita ovat suorittaneet MTT:n toimeksiannosta ProAgria Nylands Svenska Lantbrukssällskap, Boreal Kasvinjalostus Oy ja K-maatalouden koetila. Sokerijuurikkaan kokeet hoitaa Sokerijuurikkaan tutkimuskeskus.

Vehnien koeleivonnat tehdään Eviran Viljalaboratoriossa.

Nurmikkokasvien lajikekokeet hoidetaan Pohjoismaissa yhteisesti. Tietoa kokeista on sivulla [www.scanturf.org](http://www.scanturf.org).

Kasvilajikeluetteloon otettavat lajikkeet päätetään virallisten lajikekokeiden tulosten perusteella. Lajikeluettelosta päättää Eviran Kasvilajikelautakunta.

## Koetulosten tulkinta

### Yleistä

Tässä julkaisussa on esitetty virallisten lajikekokeiden tulokset vuosilta 2004–2011. Vehnien leivontalaatutulokset ovat vuosilta 2003–2010.

Tulokset on analysoitu käyttäen lineaarisia sekamalleja (suoravertailu). Tällöin kaikkia lajikkeita voidaan verrata suoraan toisiinsa, sillä malli käyttää koko aineiston hyödykseen yhdellä kertaa.

Satotulokset on esitetty yhteenvedoissa viljelyvyöhykkeen, maalajin, koevuoden ja satotason mukaan ryhmiteltyinä. Nurmikasvien satotulokset on lisäksi laskettu nurmen iän mukaan eriteltyinä.

Viljojen, öljykasvien ja palkoviljojen lajikkeet ovat tuloksissa kasvuajan mukaisessa järjestyksessä. Leivontatulokset ovat jauhosaannon mukaisessa järjestyksessä. Perunalajikkeet on järjestetty tärkkelyspitoisuuden ja rehunurmilajikkeet kokonaisadon mukaan.

Rukiin tulokset esitetään jaoteltuna kolmeen alueeseen: Etelä-Suomi, Länsi-Suomi ja Sisä-Suomi. Etelä-Suomeen luetaan Piikkiön, Inkoon ja Pernajan tulokset sekä aikaisemmilta vuosilta Mietoisten tulokset. Länsi-Suomeen kuuluvat Jokioisten ja Ylistaron tulokset. Muut koepaikat luetaan kuuluviksi Sisä-Suomeen.

Lajikkeiden viihtyvyyttä voi tarkastella maalajin ja satotason mukaan ryhmitellyistä tuloksista. Ohralajikkeilla on eri maalajien kokeiden lisäksi vuosittain happamuuden sietokoe Ylistrossa koekentällä, jonka maan pH on erityisen alhainen.

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## Official variety trials

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**O**fficial variety trials are conducted by MTT Agrifood Research Finland to determine the value of new field crop varieties (Ministry of Agriculture and Forestry, Decree 51/2004). The variety trials are performed in accordance with a quality system.

The value, cultivation stability, yield potential and quality of new varieties are evaluated in official variety trials. The proprietor of the variety enters the variety for the trials. The variety undergoes official trials usually for 2 years or until it is entered in the National List of Cultivars. It then undergoes trials for another year to produce additional information about the variety.

The trials take place in areas suitable for the cultivation of the crop in question. Variety trials are field trials that simulate practical cultivation. Trials were conducted at 11 trial sites in 2011 (Figure 1). They have also been conducted by ProAgria Nylands Svenska Lantbrukssällskap (a regional agricultural advisory organisation located in the South of Finland), Boreal Plant Breeding Ltd and the Experimental Farm of the K Group. The sugar beet trials are carried out by the Sugar Beet Research Centre.

The baking tests of wheat are made in the Grain laboratory of the Finnish Food Safety Authority Evira.

Information about Scandinavian turf grass variety trials is available at [www.scanturf.org](http://www.scanturf.org)

Decisions on the inclusion of varieties in the National List of Cultivars are based on the results of the official variety trials. The decisions are made by the Plant Variety Board of the Finnish Food Safety Authority Evira.

## Evaluation of trial results

### General

This annual bulletin presents the results of the official variety trials for 2004-2011. The baking quality results of wheat cover the years 2003-2010.

The results were analysed using linear mixed models, which use all available data in the same analysis. In the results all varieties can be compared directly with each other.

The summaries also give yields by cultivation zone, soil, trial year and yield level. The yields of grasses were calculated by the age of the lay. The number of trial results is given only for yields.

The varieties of cereals, oilseeds and pulses are sorted by growing time. The baking quality results are sorted by flour yield. The potato varieties are sorted by starch content. Total yield is used as the sorting factor for feed grass varieties.

The yields of rye are given separately for three regions: Southern Finland, Western Finland and Inner Finland. Piikkiö, Inkoo and Pernaja (and also Mietoinen from previous years) are included in Southern Finland. Jokioinen and Ylistaro are included in Western Finland. All the other trial sites are in Inner Finland.

The adaptability of varieties can be evaluated from the results classified by soil type and yield level. For barley the tolerance of acidic soils is tested in separate trials.

The grain and oilseed trials with fungicide treatment were conducted at the sites shown



Viljojen ja öljykasvien taudinkestävyyskokeet on tehty taulukossa 1 esitetyillä koepaikoilla.

Koejärjestely on strip-plot koeasetelman mukainen. Kasvitautilien torjuntakäsittely on tehty kaistoina lajikeruutujen yli.

Vuonna 2011 taudinkestävyyskokeissa käytettiin seuraavia valmisteita: Syysviljojen

ruiskutus syksyllä ja kasvukaudella: Proline (protiokonatsoli).

Aineisto on analysoitu sekamallilla, jossa lajike ja ruiskutuskäsittely ovat kiinteitä tekijöitä. Lohko ja koe ovat puolestaan normaalisti jakautuneita satunnaistekijöitä. Yhdysvaikutukset on määritelty satunnaisiksi, kun vähintään yksi yhdysvaikutusten tekijöistä on ollut satunnainen.

### Ohjeita tulosten tulkintaan:

- Kokeita (kpl) ilmoittaa, kuinka monessa kokeessa lajike on ollut.
- Sato (kg/ha) on lajikkeen vertailukelpoinen sato keskimääräisissä kasvuolosuhteissa. Sato ilmoitetaan viljoilla 15 prosentin ja öljykasveilla 9 prosentin kosteudessa.
- Suhdeluku (Sl) on lajikkeen keskimääräinen suhteellinen sato verrattuna mittarin satoon.

### Viljat, palko- ja öljykasvit

**Talvituho (%)** kuvaa talvituhoon keskimääräistä osuutta kasvustosta. Tällöin 100 on täysin tuhoutunut.

**Lako (%)** kertoo kasvuston keskimääräisestä lakoutumisasteesta. Luku 100 tarkoittaa täysin lakoutunutta kasvustoa.

**Kasvu aika (vrk)** on jakso kylvöstä keltatuleentumiseen.

**Tehoisa lämpösumma (astepäivää)** saadaan, kun lasketaan yhteen kasvukauden vuorokausien keskilämpötilat, joista on vähennetty kynnysarvo viisi astetta (+5 °).

**Korkeus (cm)** kertoo kasvuston keskimääräisen korkeuden.

**1000 jyvän paino (g)** on 1 000 siemenen paino.

**Hehtolitrapaino (kg)** on sadon tilavuuspaino.

**Valkuaispitoisuus (%)** kertoo, paljonko sadon kuiva-aineessa on valkuaista.

**Kuori (%)** kuvaa kauran kuoren osuutta sadosta.

**Sakoluku 1** on sakoluku normaalina viljankorjuuaikana.

**Sakoluku 3** on sakoluku 2–4 viikkoa normaalista korjuuajankohdasta.

**Valkuaissato (kg/ha)** kertoo valkuaisen määrän kuiva-aineessa.

**Öljypitoisuus (%)** kertoo, sadon öljypitoisuuden. (9 % kosteudessa).

**Öljysato (kg/ha)** on öljysadon määrän kuiva-ainesadossa.

**Lehtivihreäpitoisuus (ppm)** kertoo, paljonko siementen öljy sisältää lehtivihreää milligrammoina kilossa.

**Keitto 60 min (%)** kuvaa pehmenneiden herneiden osuutta, kun niitä on keitetty tunti.

in Table 1. The experimental design at each site was a strip-plot design.

Following fungicides were used in the fungicide treatment trials in 2011:

Winter cereals in autumn and during growing season: Proline (prothioconazole)

The data were analysed using the mixed model approach, in which the variety and fungicide treatments are assumed to be fixed effects and the trial and block to be normally distributed random effects. Interaction effects involving at least one random effect are also defined as random.

**Detailed instructions on reading the tables are given in the following.**

- Trials (no) shows the number of trials in which the variety was included.
- Yield (kg/ha) is the estimated mean yield of the variety in average environmental conditions. Grain yields are calculated at 15% and oilseed yields at 9% moisture content.
- Rel. is the average yield of the variety relative to the yield of the control variety.

## Cereals, pulses and oilseeds

**Winter damage** (%) is the average proportion of winter damaged stand, 100 = total loss.

**Lodging** (%) is the average degree of lodging in the stand, 100 = completely lodged.

**Growing time** (days) is the time from sowing to yellow ripening.

**Growing degree days** (dd) are calculated from sowing to yellow ripening. +5°C is used as the threshold value.

**Length** (cm) is the average length of the stand.

**1000-seed weight** (g) is the weight of 1000 seeds of the yield.

**Hectolitre weight** (Hl-weight, kg) is the weight of 100 litres of the yield.

**Protein content** (%) is the protein content of the yield as a percentage of dry matter.

**Husk** (%) is the proportion of oat husk in the yield.

**Falling number 1** is the falling number at the normal cereal harvesting time.

**Falling number 3** is the falling number 2–4 weeks after the normal harvesting time.

**Protein yield** (kg/ha) is the amount of protein in the dry matter.

**Oil content** (%) is the oil content of the yield (9 % moisture).

**Oil yield** (kg/ha) is the amount of the oil yield of the dry matter.

**Chlorophyll content** (ppm) is the chlorophyll content (mg/kg) in the seed oil.

**Cooking 60 min** is the (%) percentage of soft peas after one hour of cooking.

## Vehnän leivontalaatu

**Jauhosaanto** (%) ilmaisee jauhon määrän jauhetusta jyvämäärästä.

**Sakoluku** (s) esitetään jauhon sakolukuna.

**Valkuais-**% esitetään valkuaispitoisuutena jauhon kuiva-aineesta.

**Kostea sitko** (%) on kostean sitkon määrä jauhosta.

**Zeleny-luku** on mittalasissa isopropylalcoholin ja maitohapon seoksessa sekoitetun jauhon liettynen sitkopatsaan korkeus.

**Vedensidonta** (%) on vesimäärä jauhon (kosteus 14 %) painosta. Tämä vesimäärä tarvitaan valmistettaessa jauhosta määrätyn kiinteyden omaava taikina.

**Valorimetriluku** ilmaisee taikinan muodostumisan, sekoituskestävyyden ja pehmenemisen. Se määritetään erityisellä mitta-asteikolla farinogrammista.

**Ekstensogrammin pituus** (mm) eli taikinan venyvyys on ekstensografin piirtämän käyrän pituus, kun taikinaa venytetään katkeamiseen asti.

**Ekstensogrammin korkeus** (FU) eli taikinan venytysvastus on ekstensografin piirtämän käyrän korkeus, kun taikinaa venytetään katkeamiseen asti.

**Leipätilavuus** (ml) on koeleivonnalla paistetun vuokaleivän tilavuus.

**Huokoisuus** (1–8) ilmoitetaan koeleivästä leikatun leipäviipaleen huokosten kokona Dallmannin Porentabelle -asteikolla. Kun huokosten koko on suuri ja epätasainen arvosana on 1, ja kun huokokset ovat pieniä ja tasaisia arvosana on 8.

**Kimmoisuus** (0–10) ilmaisee leivän sisuksesta leikatun kuution palautumisen paina-

misen jälkeen senttimetreinä asteikolla 0 (=2 cm) – 10 (=5 cm).

**Arvoluku** on (tilavuustekijä x huokoisuustekijä):100. Taulukon avulla muutetaan leivän tilavuus ja huokoisuus tilavuus- ja huokoisuustekijöiksi

## Peruna

**Tärkkelys** (%) ilmoittaa perunan tärkkelyspitoisuuden.

**Kauppakelpoinen sato** (%) on ulkoisen laadun arvostelussa luokkaan terveet sijoitettujen 35–70-millimetrinen perunoiden sato. Ulkoisen laadun vaatimukset vastaavat lähinnä ruokaperuna-asetuksen erikoisluokan perunan laatuvaatimuksia.

**Myöhäisyys** (1–9) on arvioitu kokeissa kolmasti 15. elokuuta alkaen 10 vuorokauden välein. Tässä tiedotteessa on esitetty kolmannen havaintokerran tulokset. 9 on täysin tulehtunut.

## Mukulan ominaisuudet ja ulkonäkö

**Ulkonäkö kuorineen** (1–9). 9 tarkoittaa parasta ulkonäköä, 1 on kuori pilalla.

**Mukulan pyöreys** (1–9). 9 on pyöreä mukula, 1 on pitkänomainen mukula.

**Mukulan litteys** (1–9). 9 on poikkileikkaukseltaan pyöreä mukula, 1 on poikkileikkaukseltaan litteä mukula.

**Mukulan sileys** (1–9). 9 on sileä mukula, 1 on hyvin syväsilmainen ja/tai kyhmyinen mukula

**Mukulamuodon säännöllisyys** (1–9). 9 tarkoittaa säännöllistä mukulamuotoa, vähiten vaihtelevaa, 1 tarkoittaa hyvin vaihtelevaa mukulamuotoa

## Baking quality of wheat

**Flour yield (%)** presents the flour amount of the milled grain amount.

**Falling number (s)** presents the falling number of the flour.

**Protein content %** presents protein content on dry matter basis.

**Wet gluten (%)** is the amount of wet gluten from flour amount.

**Zeleny number** is the height of flour gluten pole after shaken in glass isopropyl alcohol and milk acid.

**Water absorption (%)** is the amount of water of flour weight (moisture 14 %). This water amount is needed to get certain consistency of dough.

**Valorimeter value** is quality score based on dough development time and tolerance to mixing. It is measured with special measure template from farinogram.

**Ekstensograf length (mm)** or extensibility of the dough is the length of curve drawn by ekstensograf, when dough is stretched until broken.

**Ekstensograf height (FU)** or resistance of dough, the height of curve which ekstensograf draw when dough is stretched until broken.

**Loaf volume (ml)** is the volume of the experiment bread baked in the pan.

**Grumb structure (1-8)** the volume of the spores of cut from the experiment bread. Dallmanns Porentabelle –scale is used. When the pores are big and uneven the value is 1, and when the pores are small an even the value is 8.

**Grumb resilience (0-10)** is the end height after pressed loaf cubic, the centimetre scale is 0 (=2 cm) – 10 (=5 cm).

**Quality number** is (loaf volume value x grumb structure value):100. With the table loaf volume and grumb structure are turned to score point values.

## Potato

**Starch (%)** is the starch content of potato.

**Marketable yield (%)** is the yield classified in the external quality evaluation as healthy, size class 35–70 mm. The requirements for external quality correspond mainly to those of the special class in the Finnish Potato Decree.

**Maturity (1–9).** 9 = fully mature. In the trials, lateness was evaluated three times at intervals of 10 days starting on 15 August. The results of the third observation are given in this bulletin.

## Tuber properties and appearance

**Smoothness of skin (1–9).** 9 = best appearance, 1 = skin spoiled.

**Roundness of tuber (1–9).** 9 = round, 1 = elongated.

**Flatness of tuber (1–9).** 9 = round in cross section, 1 = flat in cross section.

**Shallowness of eyes (1–9).** 9 = smooth tuber, 1 = very deep eyes and/or knobby tuber.

**Uniformity of tuber shape (1–9).** 9 = very regular, least variable 1 = very variable.

## Ulkoisen laatu

Ulkoisen laadun arvioinnissa määritetään eri tavalla vioittuneiden mukuloiden osuus painoprosentteina seuraavissa vioitustyypeissä:

**Terveet (%)**. Ei vioituksia tai vikoja.

**Rupi (%)**. Mukulat, joissa yli 10 prosenttia pinnasta ruven peitossa.

**Mukularutto (%)**.

**Muut sienimädät (%)**.

**Bakteerimädät (%)**.

**Mekaaniset pintaviat (%)**. Kuori vahingoittunut, eikä vika poistu normaalissa kuorinnassa.

**Mekaaniset maltoviat (%)**. Ehyen kuoren alla olevat mekaaniset vauriot, jotka eivät poistu normaalissa kuorinnassa.

**Nestejännityshalkeamat (%)**. Vioitus ei poistu normaalissa kuorinnassa.

**Korkkiutuneet halkeamat (%)**. Vioitus ei poistu normaalissa kuorinnassa.

**Ontot ja keskeltä ruskettuneet (%)**.

**Epämuotoiset (%)**. Lajikkeelle ominaisen muodon poikkeama, joka aiheuttaa vaikeuksia konekuorinnassa. Korjaaminen leikkaamalla aiheuttaa yli 25 prosentin tappion.

**Mallon värivirheet (%)**. Mallon värimuutos, jolle ei ole mekaanista syytä. Tähän ryhmään luetaan myös maltokaariviruksen aiheuttamat vioitukset ja johtojänneviat.

**Vihertyneet (%)**.

**Muut viat (%)**. Perunan kauppakelpoisuuteen vaikuttava vika, joka ei kuulu mihinkään edellä mainittuun ryhmään.

## Rehu- ja energianurmet

**Sadot (kg/ha)** ilmoitetaan kuiva-aineena.

**Botaaninen analyysi (%)** kertoo kokeiltavan kasvin osuuden sadosta. Määritys on huomioitu sadon määrässä, joka ilmoittaa koekasvin puhtaan sadon.

**Röyhylle tai tähkälle tulo ja kukkimisen alkaminen (vrk)** on päivä, jolloin viisi prosenttia kasveista kyseisessä kehitysvaiheessa. Kehitysvaihe ilmoitetaan vuorokausina toukokuun 1. päivästä lukien

**Kevättiheys (%)** ilmoitetaan kasvun selvästi alettua, 100 tarkoittaa täystiheää.

**Talvituho (%)** 100 tarkoittaa täysin tuhoutunutta.

Nurmisadon laatu määritetään NIRS-tekniikalla eli lähi-infrapuna-heijastusspektroskopialla.

**D-arvo (%)** Sulavan orgaanisen aineen osuus kuiva-aineesta.

**NDF (%)** Neutraalidetergenttikuitu eli solunseinämäkuitu.

**ADF (%)** Happoon liukenematon kuitu.

**Ligniini (%)** Ligniinipitoisuus.

**Valkuaisato (kg/ha)** NIRS-analyysin typpi-arvon perusteella kertoimella 6,25 laskettu sadon valkuaispitoisuus on kerrottu sadolla.

**Käyttökelpoinen sato (kg/ha)**. Sadon sulavan kuiva-aineen määrä hehtaaria kohti.

## Tilastollinen merkitsevyys

Merkitsevyydet ilmoittavat kuinka todennäköistä on, että ero testattavan lajikkeen ja mittarilajikkeen välillä on pelkästään sattumasta johtuvaa. Käytetyt tasot ovat seuraavat:

### External appearance

The evaluation of the external appearance is based on the proportion of tubers damaged in different ways, expressed as the percentage by weight in the following groups according to the type of damage:

**Healthy tubers (%)**. Tubers without injuries or defects causing rejection.

**Common scab (%)**. Over 10% of tuber surface.

**Tuber blight (%)**.

**Other fungal disease (%)**.

**Bacterial disease (%)**.

**Mechanical damage (%)**. Skin damage which is not removed by normal peeling

**Internal bruising (%)**. Internal bruising which is not removed by normal peeling.

**Harvest crack (%)**. Injury which cannot be removed by normal peeling.

**Growth crack (%)**. Injury which cannot be removed by normal peeling.

**Hollow heart (%)**. Hollow and dark heart.

**Deformations (%)**. Deviation from the shape typical of the variety which causes difficulty in mechanical peeling; correction by cutting causes a loss of over 25%.

**Discoloration (%)**. Discoloration of flesh which is not due to a mechanical reason. Injuries caused by mop top virus are included in this group

**Sun greening (%)**.

**Other defects (%)**. A defect affecting the marketability of the potato not included in any of the above mentioned groups.

### Grasses for feed and biofuel

**Yields** (kg/ha) are expressed as dry matter yields.

**Botanical analysis (%)**. Percentage in yield of the species tested. The evaluation is included in the size of the yield which states the net yield of the tested species.

**Coming into ear and start of blossoming** (days) date when 5% of the individual plants have reached this stage of development. This stage of development is expressed in days as of 1 May.

**Covering %** (spring) (100 = full cover) is estimated when growth has clearly started.

**Winter damage (%)**. 100 = total damage.

NIRS (near infrared spectroscopy) is used to determinate the quality of grass.

**D value (%)** Digestible organic matter in the dry matter

**NDF (%)** Neutral Detergent Fiber.

**ADF (%)** Acid Detergent Fiber.

**Lignin (%)**. Lignin content

**Protein yield** (kg/ha). Protein content based on NIRS analysis.

**Digestible yield** (kg/ha). Digestible organic matter in the dry matter yield.

### Statistical significance

Significance levels show how likely a difference between test and control variety is due to chance. The levels used are:

o = significant at 10% level

\* = significant at 5% level

\*\* = significant at 1% level

\*\*\* = significant at 0.1% level



o = merkitsevä 10 prosentin tasolla  
\* = merkitsevä 5 prosentin tasolla  
\*\* = merkitsevä 1 prosentin tasolla  
\*\*\* = merkitsevä 0,1 prosentin tasolla

## Lisätietoja

Lajikekokeiden laatukäsikirja, suoritusohjeet ja muuta lajikekokeisiin liittyvää tietoa on saatavilla osoitteesta [www.mtt.fi/lajikekokeet](http://www.mtt.fi/lajikekokeet).

## Tutkijat

**Arjo Kangas**

MTT Kasvintuotannon tutkimus, Ylistaro Virallisten lajikekokeiden johtaja, peruna, kaura 6.8.2011 alkaen kevätvehnä, kevättrypsi, kevättrapsi.

**Antti Laine**

MTT Kasvintuotannon tutkimus, Piikkiö Syysruis, kevätruus, herne, härkäpapu, sinilupiini, rehmaissi, ohra, 6.8.2011 alkaen syysvehnä, ruusvehnä.

**Markku Niskanen**

MTT Kasvintuotannon tutkimus, Ylistaro Timotei, nurminata, koiranheinä, englanninraiheinä, italianraiheinä, westerwoldin raiheinä, puna-apila, valkoapila, ruokohelpi, punanata, niittynurmikka. Yrjö Salo

MTT Kasvintuotannon tutkimus, Piikkiö Ruusvehnä, syysvehnä, kevätvehnä, kevättrypsi, syysrypsi, kevättrapsi, öljypellava, camelina, auringonkukka 6.8.2011 asti.

**Martti Vuorinen**

Koeaineistojen tarkastukset kaura, kevätvehnä, kevättrypsi, kevättrapsi 1.9.- 2.12.2011.

**Lauri Jauhiainen**

MTT Kasvintuotannon tutkimus, Jokioinen Tilastolliset menetelmät.

**Hannele Nikander**

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## Additional information

A quality manual for variety trials, instructions for use and other relevant information are available (in Finnish) at [www.mtt.fi/lajikekokeet](http://www.mtt.fi/lajikekokeet).

## Researchers

Arjo Kangas

MTT Plant Production Research, Ylistaro  
Head of the official variety trials, potato, oats after 6.8.2011 spring wheat, spring turnip rape, spring rape.

Antti Laine

MTT Plant Production Research, Piikkiö  
Winter rye, spring rye, barley, pea, broad bean, narrow-leaved lupin, maize, after 6.8.2011 Triticale, winter wheat.

Markku Niskanen

MTT Plant Production Research, Ylistaro  
Timothy, meadow fescue, cocksfoot, perennial ryegrass, Italian ryegrass, westerwoldian

ryegrass, red clover, white clover, reed canary grass, red fescue, Kentucky bluegrass.

Yrjö Salo

MTT Plant Production Research, Piikkiö,  
Triticale, winter wheat, spring wheat, spring turnip rape, winter turnip rape, spring rape, linseed, camelina, sunflower until 6.8.2011.

Martti Vuorinen

Oats, spring wheat, spring turnip rape, spring rape. (1.9. - 2.12.2011)

Lauri Jauhiainen

MTT, Plant Production Research, Jokioinen, Statistical methods.

Hannele Nikander

MTT Service Unit, Jokioinen, Database and computing.

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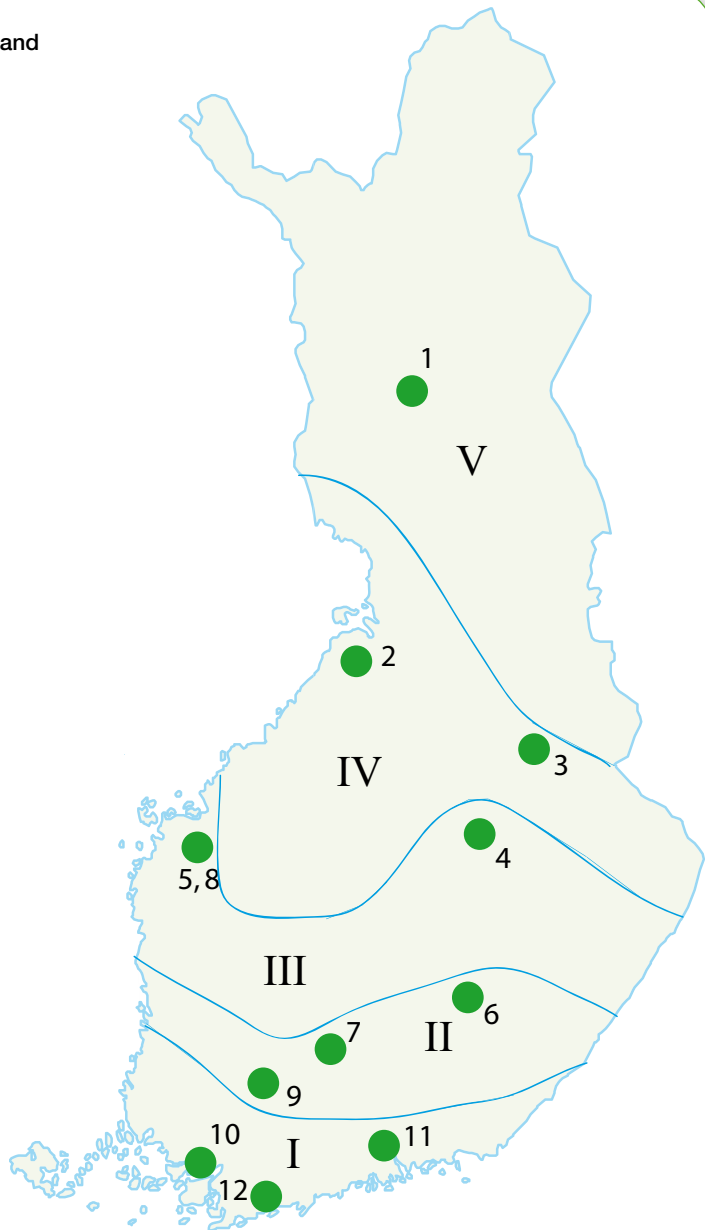


**MTT:n toimipisteet**  
**Units of MTT Agrifood Research Finland**

1. ROVANIEMI
2. RUUKKI, SIIKAJOKI
3. SOTKAMO
4. MAANINKA
5. YLISTARO, SEINÄJOKI
6. MIKKELI
9. JOKIOINEN
10. PIIKKIÖ, KAARINA

**Muut / Others**

7. HAUHO, HÄMEENLINNA  
 K-maatalouden koetila  
 Experimental farm of K Group
8. SEINÄJOKI  
 Perunantutkimuslaitos  
 Potato Research Institute
10. JOKIOINEN  
 Boreal Kasvinjalostus Oy  
 Boreal Plant Breeding Ltd.
11. PERNAJA  
 ProAgria Nylands Svenska  
 Lantbrukssällskap  
 Storsarvlaxin kartano  
 Storsarvlax Farm
12. INKOO  
 ProAgria Nylands Svenska  
 Lantbrukssällskap  
 Yrkeshögskolan sydväst,  
 Västankvarn  
 Västankvarn School Farm



Kuva 1. Virallisten lajikekokeiden koepaikat ja vyöhykkeet.  
 Figure 1. Trial sites and zones of the official variety trials.

Taulukko 1. Viljojen, palko- ja öljykasvien koepaikat 2011. S = Satokoe  
T = Tautiruiskutuskoe

Table 1. Trial sites for cereals, pulse and oilseeds 2011. S = Standard trial,  
T = Trial with fungicide treatment

|                                 | INKOO | PERNAJA | PIIKKIÖ | JOKIOINEN | MIKKELI | LAMMI | HAUHO | YLISTARO | MAANINKA | SOTKAMO | RUUKKI |
|---------------------------------|-------|---------|---------|-----------|---------|-------|-------|----------|----------|---------|--------|
| Vyöhyke - Zone                  | 1     | 1       | 1       | 2         | 2       | 2     | 2     | 3        | 3        | 4       | 4      |
| Syysruis, Winter rye            | S     | S       | ST      |           | S       |       |       | ST       | S        |         |        |
| Syysvehnä, Winter wheat         | ST    | S       | ST      |           |         |       | S     |          |          |         |        |
| Ruisvehnä, Triticale            | S     | S       | ST      |           |         |       | S     | ST       |          |         |        |
| Kevätvehnä, Spring wheat        | S     | S       | S       | S         |         |       | S     | S        |          |         |        |
| Ohra, Barley                    | S     | S       | S       | S         | S       |       |       | S        | S        | S       | S      |
| Kaura, Oats                     | S     | S       | S       | S         | S       |       |       | S        | S        | S       | S      |
| Herne, Pea                      | S     |         | S       | S         | S       |       |       | S        |          |         |        |
| Härkäpapu, Broad bean           | S     |         | S       | S         | S       |       |       |          |          |         |        |
| Kevättrypsi, Spring turnip rape | S     | S       | S       | S         |         |       | S     | S        | S        |         |        |
| Kevätrapsi, Spring rape         | S     | S       | S       | S         |         |       | S     |          |          |         |        |

Taulukko 2. Rehunurmien koepaikat 2011.

Table 2. Trial sites for feed grasses 2011.

|                                                  | PIIKKIÖ | JOKIOINEN | MIKKELI | YLISTARO | MAANINKA | SOTKAMO | RUUKKI | ROVANIEMI |
|--------------------------------------------------|---------|-----------|---------|----------|----------|---------|--------|-----------|
| Vyöhyke - Zone                                   | 1       | 2         | 2       | 3        | 3        | 4       | 4      | 5         |
| Vuonna 2009 perustetut kokeet - Sowing year 2009 |         |           |         |          |          |         |        |           |
| Timotei, Timothy                                 |         | S         | S       | S        | S        | S       | S      | S         |
| Nurminata, Meadow fescue*                        | S       | S         | S       | S        | S        | S       | S      | S         |
| Ruokonata, Tall fescue*                          | S       | S         | S       | S        | S        | S       | S      | S         |
| Rainata, Festilolium*                            | S       | S         | S       | S        | S        | S       | S      | S         |
| Puna-apila, Red clover                           | S       | S         | S       | S        | S        | S       | S      | S         |
| Valkoapila, White clover                         |         |           | S       | S        | S        |         | S      |           |
| Vuonna 2011 perustetut kokeet - Sowing year 2011 |         |           |         |          |          |         |        |           |
| Timotei, Timothy                                 | S       | S         | S       | S        | S        | S       | S      | S         |
| Nurminata, Meadow fescue*                        | S       | S         | S       | S        | S        | S       | S      | S         |
| Ruokonata, Tall fescue*                          | S       | S         | S       | S        | S        | S       | S      | S         |
| Rainata, Festilolium*                            | S       | S         | S       | S        | S        | S       | S      | S         |
| Englannin raiheinä, Perennial ryegrass           | S       |           | S       | S        | S        |         |        |           |
| Italianraiheinä, Italian ryegrass                |         |           | S       | S        |          | S       |        | S         |
| Valko-Apila, White clover                        | S       |           | S       | S        | S        |         |        |           |
| Puna-apila, Red clover                           |         | S         |         |          | S        |         | S      |           |
| Sirppimailanen, Medicago falcata                 | S       |           | S       | S        | S        |         |        |           |

\*Samoissa kokeissa. – In common trials.

Taulukko 3. Tuloksissa esitettävät lajikkeet sekä vuosi, jolloin lajike on ollut ensimmäistä kertaa mukana kokeissa.

Table 3. The varieties, which are presented in the results. There is also the year, when the variety has been in the trials for the first time.

### Syysruis - Winter rye

| Lajikkeen<br>nimi | Lajikkeen<br>entinen nimi | Vuosi |
|-------------------|---------------------------|-------|
| BRASETTO          |                           | 2011  |
| CASPIAN           |                           | 2011  |
| ELVI              |                           | 1998  |
| EVOLO             | LHP 71                    | 2007  |
| HELLTOP           |                           | 2010  |
| KAPITÄN           |                           | 2009  |
| KIER              |                           | 2002  |
| REETTA            | BOR 03001                 | 2006  |
| ROTARI            |                           | 2009  |

### Syysvehnä - Winter wheat

| Lajikkeen<br>nimi | Lajikkeen<br>entinen nimi | Vuosi |
|-------------------|---------------------------|-------|
| ARCTIKA           | BOR 95109                 | 2006  |
| BOR 02858         |                           | 2010  |
| ELLVIS            |                           | 2010  |
| FRONTAL           |                           | 2011  |
| GUNBO             | WW 40397                  | 1995  |
| KUBAN             |                           | 2009  |
| MARIBOSS          |                           | 2010  |
| NIC05-4588 A      |                           | 2011  |
| SKAGEN            |                           | 2008  |
| URHO              | JO 5454                   | 1997  |

### Kevätvehnä - Spring wheat

| Lajikkeen<br>nimi | Lajikkeen<br>entinen nimi | Vuosi |
|-------------------|---------------------------|-------|
| AALLOTAR          | BOR 03026                 | 2008  |
| AINO              | BOR 98507                 | 2003  |
| AMARETTO          | STRG 110-98               | 2000  |
| ANNIINA           | BOR 25113                 | 1997  |
| ARABESKA          |                           | 2010  |
| BJARNE            | NK 97520                  | 2005  |
| BOMBONA           | CHD 502                   | 2005  |
| BOR 04086         |                           | 2009  |
| BOR 06610         |                           | 2011  |
| BOR 07550         |                           | 2011  |
| BOR 07585         |                           | 2011  |
| BOR 09321         |                           | 2011  |
| DEMONSTRANT       | NK 01568                  | 2006  |
| EPOS              | SCHW 41-91 5              | 2002  |
| KRABAT            |                           | 2011  |
| KRUUNU            | BOR 25445                 | 1998  |
| KW 760-2-08       |                           | 2011  |
| KWS SCIROCCO      |                           | 2009  |
| MARBLE            | BOR 01563                 | 2006  |

### Kevätvehnä – Spring wheat

|                 |              |      |
|-----------------|--------------|------|
| MIRAKEL         |              | 2011 |
| PICOLO          |              | 2004 |
| PUNTARI         | SW 41 365    | 2006 |
| QUARNA          | CH 21112283  | 2005 |
| SEANCE          |              | 2011 |
| SECFK 415-00-4  |              | 2010 |
| SECFK-431-01-03 |              | 2011 |
| SEPTIMA         |              | 2011 |
| SERTORI         | CH 221 10002 | 2007 |
| SPECIFIK        |              | 2009 |
| AMULETT         |              | 2010 |
| STIKO           |              | 2009 |
| SW 71144        |              | 2011 |
| WANAMO          | BOR 03041    | 2007 |
| WELLAMO         | BOR 02012    | 2006 |
| ZEBRA           | SW 35089     | 1999 |

### Ohra – Barley

| Lajikkeen<br>nimi       | Lajikkeen<br>entinen nimi | Vuosi |
|-------------------------|---------------------------|-------|
| ALINA                   | 14463-96                  | 1999  |
| ALTTI                   | BOR 03708                 | 2007  |
| AMBER                   | SW 37868                  | 2006  |
| ANNABELL                |                           | 2001  |
| ARTTURI                 | JO 1558                   | 1989  |
| AUKUSTI                 | BOR 04509                 | 2008  |
| AURIGA                  | GS 1915                   | 2001  |
| BARKE                   |                           | 1997  |
| BEATRIX                 | NORD 2076                 | 2005  |
| BOR 07533               |                           | 2010  |
| BOR 109704              |                           | 2011  |
| BOR 109707              |                           | 2011  |
| BRAEMAR                 | NFC 498-45                | 2002  |
| BRAGE                   | GN 02146                  | 2008  |
| COLUMBUS                |                           | 2010  |
| CONCHITA                | LP 11593.03               | 2006  |
| CROPTON                 | NFC 405-105               | 2009  |
| CRUISER                 | BR 6336 A23               | 2002  |
| EDEL                    | NK 96300                  | 2001  |
| EDVIN                   | BOR 00725                 | 2006  |
| EERIK                   | BOR 00504                 | 2007  |
| EINAR                   | BOR 01522                 | 2005  |
| ELISETA                 | SE 313/01 SG              | 2006  |
| ELMERI                  | BOR 00722                 | 2006  |
| ERKKI                   | HJA 87061                 | 1992  |
| EVERGREEN (PF 15020-56) |                           | 2011  |
| FAIRYTALE               | SJ 032231                 | 2007  |
| GAUTE                   | NK 90612                  | 2001  |
| GILDER                  |                           | 2011  |
| GRACE                   |                           | 2009  |
| GS 2505                 |                           | 2010  |
| GS 2510                 |                           | 2010  |
| HARBINGER               | BOR 03180                 | 2007  |
| INGMAR                  | NORD 2174                 | 2005  |

## Ohra - Barley

|                        |               |      |
|------------------------|---------------|------|
| IRON                   |               | 2009 |
| JB MALTASIA            | BR 7789 B6    | 2007 |
| JUSTINA                |               | 2004 |
| JYVÄ                   | BOR 94007     | 1997 |
| KUNNARI                | BOR 88106     | 1997 |
| KWS BAMBINA            |               | 2010 |
| LW 02W093-05           |               | 2009 |
| MAAREN                 | SW 2546       | 2002 |
| MARGRET                | NORD 1958     | 2003 |
| MARTHE                 | NORD 2125     | 2005 |
| MINTTU                 | BOR 88377     | 1996 |
| NFC TIPPLE             | NFC 401-11    | 2005 |
| NORD 09/2421 (GS 2563) |               | 2011 |
| OLAVI                  | BOR 98515     | 2003 |
| OPTIMA                 |               | 1997 |
| OVERTURE (NLS07-8120A) |               | 2011 |
| PILVI                  | SWN 99275     | 2003 |
| POLARTOP               | BOR 89129     | 2001 |
| POSADA                 |               | 2009 |
| PRESTIGE               |               | 2001 |
| PROPINO                | NFC 406-119   | 2009 |
| PUBLICAN               | NFC 403-43    | 2006 |
| QUENCH                 | NFC 403-49    | 2006 |
| RAGNA                  | GN 05025      | 2010 |
| RAMBLER                | BOR 03173     | 2007 |
| SAANA                  | JO 1754       | 1992 |
| SCARLETT               |               | 1995 |
| SCRABBLE               |               | 2010 |
| SE 208/08              |               | 2011 |
| STREIF                 | STRG 678.04   | 2006 |
| STRG 750/09            |               | 2011 |
| STRG 752/09            |               | 2011 |
| SUNSHINE               | BR 8403 C2    | 2008 |
| SW MITJA               |               | 2010 |
| SYN 408 - 197          |               | 2011 |
| SYN 409 - 221          |               | 2011 |
| TATUM                  |               | 2010 |
| TIRIL                  |               | 2004 |
| TOCADA                 |               | 2004 |
| TOLAR                  |               | 2000 |
| TOLKIEN                |               | 2006 |
| TORIA                  | GN 03269      | 2009 |
| TREKKER                |               | 2011 |
| TRYM                   | GN 06003      | 2010 |
| VILDE                  | NINA/NK 98268 | 2003 |
| VOITTO                 | BOR 98516     | 2002 |
| WOLMARI                | BOR 04559     | 2008 |
| XANADU                 | NORD 00/2310  | 2005 |

## Kaura - Oats

|           |              |       |
|-----------|--------------|-------|
| Lajikkeen | Lajikkeen    | Vuosi |
| nimi      | entinen nimi |       |
| AARRE     | JO 1293      | 1992  |
| AKSELI    | BOR 03071    | 2007  |

|                 |             |      |
|-----------------|-------------|------|
| ASLAK           | BOR 1407    | 1997 |
| AVENUDA         | SG-K 7555   | 2003 |
| BAUB 2008. 1978 |             | 2011 |
| BAUB 2008. 1979 |             | 2011 |
| BELINDA         | SW 92190    | 1995 |
| BESSIN          | NORD 1165   | 2003 |
| BETTINA         | SW 031805   | 2006 |
| BOR 05034       |             | 2010 |
| BOR 07011       |             | 2011 |
| BOR 07015       |             | 2011 |
| BOR 07036       |             | 2011 |
| CHARLY          | NORD 08/320 | 2010 |
| EEMELI          | BOR 96022   | 2004 |
| EFFEKTIV        | SE 309/02   | 2004 |
| FIIA            | BOR 93048   | 1999 |
| FLOCKE          |             | 2010 |
| IIRIS           | BOR 04093   | 2008 |
| IVORY           | NS 97/135   | 1999 |
| JULIUS          | BOR 96111   | 2005 |
| MARIKA          | NK 96166    | 2002 |
| MIRELLA         |             | 2009 |
| NORD 09/127     |             | 2010 |
| NORD 09/128     |             | 2010 |
| NORD 10/316     |             | 2011 |
| NORD 10/324     |             | 2011 |
| PEPPI           | BOR 95119   | 2004 |
| RINGSAKER       | NK 02084    | 2006 |
| ROCKY           | NORD 09/307 | 2009 |
| ROOPE           | JO 1367     | 1992 |
| SOFIINA         | BOR 01009   | 2007 |
| STEINAR         | BOR 3148    | 2006 |
| SUOMI           | JO 1323     | 1992 |
| SW INGEBORG     |             | 2002 |
| SW VAASA        | SW 922087   | 1998 |
| VELI            |             | 1973 |
| VENLA           | BOR 97065   | 2003 |
| VIVIANA         | BOR 02026   | 2005 |

### Ruisvehnä - Triticale

| Lajikkeen nimi | Lajikkeen entinen nimi | Vuosi |
|----------------|------------------------|-------|
| BOR 09001      |                        | 2011  |
| EMPERO         |                        | 2011  |
| FIDELIO        |                        | 1998  |
| KINERIT        |                        | 2011  |
| WOLTARIO       |                        | 2002  |

### Herne - Pea

| Lajikkeen nimi | Lajikkeen entinen nimi | Vuosi |
|----------------|------------------------|-------|
| ANTTI          | SWC 6198               | 2008  |
| BOR 00006      |                        | 2009  |
| BOR 00008      |                        | 2006  |
| BOR 03009      |                        | 2010  |
| BOR 06001      |                        | 2011  |
| BRUTUS         |                        | 2003  |

### Herne - Pea

|           |           |      |
|-----------|-----------|------|
| HULDA     | BOR 58766 | 2000 |
| KARITA    | SVF 35122 | 1992 |
| NITOUCHE  |           | 2003 |
| ROCKET    |           | 2010 |
| ROKKA     | SW 96664  | 2002 |
| STOK      |           | 2000 |
| SW D 5187 |           | 2011 |
| SWE 5053  |           | 2011 |
| TONGA     |           | 2011 |
| ZEKON     |           | 2002 |

### Härkäpapu - Broad bean

|          |      |
|----------|------|
| KONTU    | 1995 |
| SNOWBIRD | 2011 |

### Kevätrypsi - Spring turnip rape

| Lajikkeen<br>nimi | Lajikkeen<br>entinen nimi | Vuosi |
|-------------------|---------------------------|-------|
| APOLLO            | BOR 4391                  | 2004  |
| AUREA CL          | IMI 4003                  | 2008  |
| BOR 05075         |                           | 2011  |
| BOR 05100         |                           | 2010  |
| BOR 07010         |                           | 2011  |
| CORDELIA          | BOR 04565                 | 2006  |
| EOS               | BOR 4447                  | 2005  |
| HOHTO             | JO 4132                   | 1999  |
| JULIET            | BOR 04567                 | 2008  |
| SW PETITA         | SW F 3164                 | 2003  |
| VALO              | JO 4105                   | 1993  |
| VIKKI 1101        |                           | 2011  |

### Kevätrypsi - Spring rape

| Lajikkeen<br>nimi | Lajikkeen<br>entinen nimi | Vuosi |
|-------------------|---------------------------|-------|
| BELINDA           |                           | 2010  |
| BRANDO            | SW J2827                  | 2009  |
| CAMPINO           | NZP SR 11/03              | 2007  |
| DLE 1006          |                           | 2010  |
| DLE 1107          |                           | 2011  |
| DLE 1107          |                           | 2011  |
| EARLY BIRD        |                           | 2010  |
| HIGHLIGHT         | RG 4514                   | 2005  |
| ILVES             | SW F 5197                 | 2004  |
| LUNEDIE           |                           | 2011  |
| MARIE             | BOR 03556                 | 2004  |
| MERRYL            | BOR 03558                 | 2006  |
| MICRO CL          |                           | 2011  |
| MICRO CL          |                           | 2011  |
| PROXIMO           |                           | 2011  |
| PROXIMO           |                           | 2011  |
| SHEIK             | SW H 2818                 | 2006  |
| SW Q2865          |                           | 2011  |
| TAMARIN           | SW L2838                  | 2009  |
| TRAPPER           | NZP SR 0707               | 2007  |



### Timotei - Timothy

| Lajikkeen nimi | Lajikkeen entinen nimi | Vuosi |
|----------------|------------------------|-------|
| BOR 0302       |                        | 2008  |
| BOR 0306       |                        | 2008  |
| GRINDSTAD      |                        | 1985  |
| IKI            |                        | 1980  |
| NIILO          | BOR 94384              | 2002  |
| NUUTTI         | BOR 94363              | 2002  |
| RAKEL          | SWN TT0004             | 2010  |
| RIGEL          | BOR 0105               | 2004  |
| TENHO          | BOR 94322              | 2000  |
| TRYGGVE        | SWN TT 9304            | 2006  |
| TUUKKA         | HJA 1077               | 1980  |
| TUURE          | BOR 94372              | 1998  |
| UULA           | BOR 94371              | 1998  |
| TAMMISTO II    |                        | 1994  |
| TUUKKA         |                        | 1980  |

### Nurminata - Meadow fescue

| Lajikkeen nimi | Lajikkeen entinen nimi | Vuosi |
|----------------|------------------------|-------|
| KLAARA         | BOR 20202              | 2008  |
| FOJTAN         |                        | 2010  |
| ILMARI         | JO 0807                | 1988  |
| INKERI         | BOR 0843               | 2000  |
| KAROLINA       | BOR 86218              | 2002  |
| KASPER         | SV A 01277             | 1982  |
| RETU           | HJA 2170               | 1980  |
| REVANSCH       | SWN ÄS9301             | 2004  |
| SW MINTO       |                        | 2010  |
| VALTTERI       | BOR 22003              | 2006  |

### Italian raiheinä - Italian ryegrass

| Lajikkeen nimi | Lajikkeen entinen nimi | Vuosi |
|----------------|------------------------|-------|
| FABIO          |                        | 1995  |
| BARMULTRA II   |                        | 2011  |

### Puna-apila - Red clover

| Lajikkeen nimi | Lajikkeen entinen nimi | Vuosi |
|----------------|------------------------|-------|
| BETTY          |                        | 1996  |
| BJURSELE       |                        | 1975  |
| SAIJA          | BOR 0902               | 1994  |
| SUEZ           |                        | 2010  |
| SW ARES        |                        | 2010  |
| SW TORUN       | SW RK 94117            | 2006  |
| SW YNGVE       |                        | 2010  |

### Valkoapila - White clover

| Lajikkeen nimi | Lajikkeen entinen nimi | Vuosi |
|----------------|------------------------|-------|
| JÖGEVA 4       |                        | 2010  |
| SILVESTER      |                        | 2010  |

# Syysruis, 2004-2011, Viralliset kokeet

Winter rye, *Secale cereale* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   | kpl    | Sato<br>kg/ha  | Sato-<br>ero        | Suhde-<br>luku | kpl    | Talvi-<br>tuho %   | kpl    | Kasvuaika<br>pv   | kpl    | Lämpö-<br>summa    | kpl    | Lako-<br>%    | kpl    | Pituus<br>cm |
|----------|--------|----------------|---------------------|----------------|--------|--------------------|--------|-------------------|--------|--------------------|--------|---------------|--------|--------------|
| Variety  | trials | Yield<br>kg/ha | Yield<br>difference | rel.           | trials | Winter<br>damage % | trials | Growing<br>time d | trials | Temperature<br>sum | trials | Lodging-<br>% | trials | Length<br>cm |
| REETTA   | =C 40  | 5429           | 0                   | 100            | 28     | 13.9               | 35     | 336.5             | 28     | 911                | 20     | 36            | 40     | 129          |
| KIER     | 47     | 4980           | -447                | 92 **          | 35     | 24.4 ***           | 41     | 336.7             | 32     | 912                | 27     | 27 **         | 46     | 117 ***      |
| ELVI     | 54     | 4877           | -551                | 90 ***         | 38     | 25.2 ***           | 48     | 337.3             | * 39   | 913                | 34     | 48 ***        | 54     | 136 ***      |
| CASPIAN  | 6      | 6155           | 727                 | 113 *          | 6      | 19.7               | 6      | 337.3             | 4      | 912                | 4      | 37            | 6      | 116 ***      |
| BRASETTO | 6      | 6543           | 1114                | 121 ***        | 6      | 11.4               | 6      | 337.3             | 4      | 915                | 4      | 39            | 6      | 115 ***      |
| ROTARI   | 20     | 5201           | -227                | 96             | 16     | 25.7 **            | 20     | 337.5             | ** 14  | 922                | o 11   | 40            | 20     | 114 ***      |
| HELLTOP  | 13     | 5445           | 16                  | 100            | 13     | 21.3 o             | 13     | 337.5             | * 9    | 923                | 6      | 33            | 13     | 115 ***      |
| KAPITÄN  | 6      | 5438           | 9                   | 100            | 5      | 20.8               | 6      | 337.6             | o 5    | 922                | 4      | 41            | 6      | 111 ***      |
| EVOLO    | 33     | 6528           | 1099                | 120 ***        | 22     | 17.3               | 30     | 338.3             | *** 23 | 931                | *** 19 | 46 **         | 33     | 111 ***      |

## Syysruis, 2004-2011, Viralliset kokeet

Winter rye, *Secale cereale* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   |    | kpl    | Tjp<br>g              |  | kpl    | Hlp<br>kg       |  | kpl    | Valk.-<br>% |  | kpl    | Sako-<br>luku 1     |  | kpl    | Sako-<br>luku 3     |
|----------|----|--------|-----------------------|--|--------|-----------------|--|--------|-------------|--|--------|---------------------|--|--------|---------------------|
| Variety  |    | trials | 1000 seed<br>weight g |  | trials | HL weight<br>kg |  | trials | Prot.-<br>% |  | trials | Falling<br>number 1 |  | trials | Falling<br>number 3 |
| REETTA   | =C | 40     | 31.9                  |  | 40     | 74.2            |  | 40     | 11.2        |  | 38     | 161                 |  | 11     | 89                  |
| KIER     |    | 46     | 35.6 ***              |  | 46     | 73.3 ***        |  | 46     | 10.8 ***    |  | 45     | 160                 |  | 12     | 100                 |
| ELVI     |    | 53     | 35.2 ***              |  | 54     | 73.2 ***        |  | 54     | 11.2        |  | 51     | 134 ***             |  | 14     | 88                  |
| CASPIAN  |    | 6      | 35.9 ***              |  | 6      | 73.1 *          |  | 6      | 9.2 ***     |  | 6      | 169                 |  | 1      | 110                 |
| BRASETTO |    | 6      | 38.0 ***              |  | 6      | 74.2            |  | 6      | 9.7 ***     |  | 6      | 176 o               |  | 1      | 110                 |
| ROTARI   |    | 20     | 35.0 ***              |  | 20     | 75.0 *          |  | 20     | 10.5 ***    |  | 20     | 169                 |  | 5      | 105                 |
| HELLTOP  |    | 13     | 36.7 ***              |  | 13     | 74.9 *          |  | 13     | 10.8 **     |  | 13     | 165                 |  | 3      | 113 o               |
| KAPITÄN  |    | 6      | 33.7 **               |  | 6      | 75.4 *          |  | 6      | 10.1 ***    |  | 6      | 177 o               |  | 3      | 130 **              |
| EVOLO    |    | 33     | 37.2 ***              |  | 33     | 74.1            |  | 33     | 9.6 ***     |  | 32     | 209 ***             |  | 9      | 151 ***             |

# Syysruis, 2004-2011, Viralliset kokeet: Luokittelu maalajeittain

Winter rye, *Secale cereale* L., 2004-2011, Official variety trials: Classification according to soil types

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   | kpl    | Karkeat<br>kiv. maat<br>kg/ha | Suhde-<br>luku | kpl    | Savimaat<br>kg/ha | Suhde-<br>luku |
|----------|--------|-------------------------------|----------------|--------|-------------------|----------------|
| Variety  |        |                               |                |        | Clay              |                |
|          | trials | Coarse mineral<br>kg/ha       | rel.           | trials | kg/ha             | rel.           |
| REETTA   | =C 8   | 5438                          | 100            | 28     | 5332              | 100            |
| KIER     | 9      | 4352                          | 80 *           | 34     | 5039              | 95 *           |
| ELVI     | 11     | 4895                          | 90             | 39     | 4761              | 89 ***         |
| CASPIAN  | 2      | 6013                          | 111            | 4      | 6101              | 114 **         |
| BRASETTO | 2      | 6813                          | 125 o          | 4      | 6283              | 118 **         |
| ROTARI   | 5      | 4633                          | 85             | 12     | 5294              | 99             |
| HELLTOP  | 4      | 4879                          | 90             | 8      | 5564              | 104            |
| KAPITÄN  | 1      | 4546                          | 84             | 5      | 5523              | 104            |
| EVOLO    | 7      | 6537                          | 120 *          | 22     | 6376              | 120 ***        |

## Syysruis, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Winter rye, *Secale cereale* L., 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   |    | kpl    | Etelä-Suomi      |  | Suhde-  |  | kpl    | Länsi-Suomi     |  | Suhde-  |  | kpl    | Sisä-Suomi    |  | Suhde- |
|----------|----|--------|------------------|--|---------|--|--------|-----------------|--|---------|--|--------|---------------|--|--------|
|          |    |        | kg/ha            |  | luku    |  |        | kg/ha           |  | luku    |  |        | kg/ha         |  | luku   |
| Variety  |    | trials | Southern Finland |  | rel.    |  | trials | Western Finland |  | rel.    |  | trials | Inner Finland |  | rel.   |
|          |    |        | kg/ha            |  |         |  |        | kg/ha           |  |         |  |        | kg/ha         |  |        |
| REETTA   | =C | 17     | 5369             |  | 100     |  | 11     | 5234            |  | 100     |  | 12     | 5737          |  | 100    |
| KIER     |    | 20     | 5258             |  | 98      |  | 13     | 4880            |  | 93      |  | 14     | 4710          |  | 82 **  |
| ELVI     |    | 23     | 4690             |  | 87 ***  |  | 15     | 4868            |  | 93      |  | 16     | 5174          |  | 90     |
| CASPIAN  |    | 3      | 6007             |  | 112 *   |  | 1      | 6531            |  | 125 o   |  | 2      | 6309          |  | 110    |
| BRASETTO |    | 3      | 5983             |  | 111 *   |  | 1      | 7330            |  | 140 **  |  | 2      | 7110          |  | 124 o  |
| ROTARI   |    | 9      | 5457             |  | 102     |  | 5      | 5047            |  | 96      |  | 6      | 5099          |  | 89     |
| HELLTOP  |    | 6      | 5388             |  | 100     |  | 3      | 6154            |  | 118 *   |  | 4      | 5169          |  | 90     |
| KAPITÄN  |    | 2      | 5512             |  | 103     |  | 3      | 5631            |  | 108     |  | 1      | 4857          |  | 85     |
| EVOLO    |    | 14     | 6275             |  | 117 *** |  | 9      | 6652            |  | 127 *** |  | 10     | 6843          |  | 119 ** |

# Syysruis, 2004-2011, Viralliset kokeet: Luokittelu vuosittain

Winter rye, *Secale cereale* L., 2004-2011, Official variety trials: Classification according to year

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   | kpl    | Vuosi 2008 | Suhde- | kpl    | Vuosi 2009 | Suhde-  | kpl    | Vuosi 2010 | Suhde-  | kpl    | Vuosi 2011 | Suhde- |
|----------|--------|------------|--------|--------|------------|---------|--------|------------|---------|--------|------------|--------|
|          |        | kg/ha      | luku   |        | kg/ha      | luku    |        | kg/ha      | luku    |        | kg/ha      | luku   |
| Variety  | trials | Year 2008  |        | trials | Year 2009  |         | trials | Year 2010  | w       | trials | Year 2011  |        |
|          |        | kg/ha      | rel.   |        | kg/ha      | rel.    |        | kg/ha      | rel.    |        | kg/ha      | rel.   |
| REETTA   | =C 6   | 5809       | 100    | 7      | 5475       | 100     | 7      | 5093       | 100     | 6      | 5117       | 100    |
| KIER     | 6      | 4944       | 85 *   | 7      | 5166       | 94      | 7      | 5030       | 99      | 6      | 4750       | 93     |
| ELVI     | 6      | 5746       | 99     | 7      | 4811       | 88 *    | 7      | 4396       | 86 *    | 6      | 4214       | 82 **  |
| CASPIAN  |        |            |        |        |            |         |        |            |         | 6      | 5722       | 112 o  |
| BRASETTO |        |            |        |        |            |         |        |            |         | 6      | 6110       | 119 ** |
| ROTARI   |        |            |        | 7      | 5556       | 101     | 7      | 4502       | 88 *    | 6      | 5001       | 98     |
| HELLTOP  |        |            |        |        |            |         | 7      | 5207       | 102     | 6      | 4929       | 96     |
| KAPITÄN  |        |            |        | 1      | 5641       | 103     | 1      | 5723       | 112     | 4      | 4849       | 95     |
| EVOLO    | 6      | 6959       | 120 ** | 7      | 6854       | 125 *** | 7      | 6251       | 123 *** | 6      | 5858       | 114 *  |

## Syysruis, 2004-2011, Viralliset kokeet: Luokittelu kokeen talvituhotason mukaan

Winter rye, *Secale cereale* L., Official variety trials: Classification according to average winter damage level of trial

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    | kpl    | Alhainen taso<br>kg/ha | Suhde-<br>luku | kpl    | Keskimääräinen taso<br>kg/ha | Suhde-<br>luku | kpl    | Korkea taso<br>kg/ha | Suhde-<br>luku |
|-----------|--------|------------------------|----------------|--------|------------------------------|----------------|--------|----------------------|----------------|
| Variety   | trials | Low level<br>kg/ha     | rel.           | trials | Average level<br>kg/ha       | rel.           | trials | High level<br>kg/ha  | rel.           |
| REETTA =C | 8      | 5963                   | 100            | 6      | 6537                         | 100            | 14     | 4320                 | 100            |
| KIER      | 9      | 5645                   | 95             | 12     | 6446                         | 99             | 14     | 3175                 | 74 ***         |
| ELVI      | 11     | 5291                   | 89 *           | 13     | 5503                         | 84 ***         | 14     | 4015                 | 93             |
| CASPIAN   |        |                        |                | 3      | 7479                         | 114 **         | 3      | 4668                 | 108            |
| BRASETTO  |        |                        |                | 3      | 7685                         | 118 **         | 3      | 5238                 | 121            |
| ROTARI    | 3      | 5642                   | 95             | 6      | 6540                         | 100            | 7      | 3601                 | 83 o           |
| HELLTOP   | 3      | 6245                   | 105            | 4      | 6691                         | 102            | 6      | 3964                 | 92             |
| KAPITÄN   |        |                        |                | 2      | 6509                         | 100            | 3      | 4214                 | 98             |
| EVOLO     | 7      | 6973                   | 117 ***        | 6      | 7874                         | 120 ***        | 9      | 5220                 | 121 *          |

### Syysruis, 2004-2011, Viralliset kokeet

Winter rye, *Secale cereale* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   | kpl    | Sato<br>(ruiskutettu)<br>kg/ha          | Suhde-<br>luku |  | Sato<br>(ruiskuttamaton)<br>kg/ha | Suhde-<br>luku | Sato-<br>ero        |
|----------|--------|-----------------------------------------|----------------|--|-----------------------------------|----------------|---------------------|
| Variety  | trials | Yield<br>(fungicide treatment)<br>kg/ha | rel.           |  | Yield<br>(no treatment)<br>kg/ha  | rel.           | Yield<br>difference |
| REETTA   | =C 14  | 5707                                    | 100            |  | 5213                              | 100            | 493 ***             |
| CASPIAN  | 2      | 7229                                    | 127 ***        |  | 6354                              | 122            | 874 ***             |
| BRASETTO | 2      | 7536                                    | 132 ***        |  | 6812                              | 131            | 724 **              |
| HELLTOP  | 4      | 6728                                    | 118 ***        |  | 6056                              | 116            | 672 ***             |
| ROTARI   | 7      | 5760                                    | 101            |  | 5109                              | 98             | 650 ***             |
| EVOLO    | 13     | 7163                                    | 126 ***        |  | 6590                              | 126            | 573 ***             |
| KIER     | 16     | 5575                                    | 98             |  | 5037                              | 97             | 538 ***             |
| KAPITÄN  | 4      | 6068                                    | 106 o          |  | 5643                              | 108            | 425 *               |
| ELVI     | 18     | 5316                                    | 93 **          |  | 4908                              | 94             | 408 ***             |



## Syysruis, 2004-2011, Viralliset kokeet

Winter rye, *Secale cereale* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   | kpl    | Talvituho<br>(ruiskutettu)<br>%             | Suhde-<br>luku | Talvituho<br>(ruiskuttamaton)<br>%   | Suhde-<br>luku | Ero        |
|----------|--------|---------------------------------------------|----------------|--------------------------------------|----------------|------------|
| Variety  | trials | Winter damage<br>(fungicide treatment)<br>% | rel.           | Winter damage<br>(no treatment)<br>% | rel.           | Difference |
| REETTA   | =C 12  | 5                                           | 100            | 5                                    | 100            | 0          |
| ELVI     | 15     | 8                                           | 160            | 13                                   | 260            | -5 ***     |
| KIER     | 14     | 11                                          | 220 **         | 15                                   | 300            | -3 **      |
| EVOLO    | 11     | 5                                           | 100            | 8                                    | 160            | -2 *       |
| HELLTOP  | 3      | 3                                           | 60             | 6                                    | 120            | -2         |
| KAPITÄN  | 4      | 7                                           | 140            | 9                                    | 180            | -2         |
| ROTARI   | 6      | 11                                          | 220 *          | 12                                   | 240            | -1         |
| BRASETTO | 2      | 6                                           | 120            | 4                                    | 80             | 1          |
| CASPIAN  | 2      | 7                                           | 140            | 6                                    | 120            | 1          |

# Syysvehnä, 2004-2011, Viralliset kokeet

Winter wheat, Triticum aestivum L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike      | kpl    |       | Sato       | Sato- | Suhde- | kpl    | Talvi-   | kpl    | Kasvuaika | kpl    | Lämpö-      | kpl    | Lako-    | kpl    | Pituus |
|-------------|--------|-------|------------|-------|--------|--------|----------|--------|-----------|--------|-------------|--------|----------|--------|--------|
|             |        | kg/ha |            | ero   | luku   |        | tuho %   |        | pv        |        | summa       |        | %        |        | cm     |
| Variety     | trials | Yield | Yield      |       |        | trials | Winter   | trials | Growing   | trials | Temperature | trials | Lodging- | trials | Lenght |
|             |        | kg/ha | difference |       | rel.   |        | damage % |        | time d    |        | sum         |        | %        |        | cm     |
| URHO        | =C 40  | 5622  | 0          | 100   |        | 30     | 20       | 39     | 330.4     | 24     | 904         | 18     | 27       | 40     | 91     |
| NIC05-4588A | 3      | 6144  | 522        | 109   | o      | 3      | 28       | 3      | 332.1     | *      | 2           | 939    | **       | 2      | 66 *** |
| KUBAN       | 14     | 5495  | -126       | 98    |        | 11     | 28       | *      | 13        | 332.3  | ***         | 7      | 935      | ***    | 65 *** |
| ELLVIS      | 9      | 5233  | -389       | 93    | *      | 7      | 45       | ***    | 8         | 332.6  | ***         | 5      | 932      | **     | 65 *** |
| SKAGEN      | 16     | 6159  | 537        | 110   | ***    | 12     | 22       | 15     | 332.7     | ***    | 8           | 934    | ***      | 2      | 74 *** |
| FRONTAL     | 3      | 5942  | 320        | 106   |        | 3      | 39       | **     | 3         | 332.8  | **          | 2      | 933      | *      | 67 *** |
| ARKTIKA     | 23     | 5803  | 180        | 103   |        | 18     | 18       | 23     | 333.1     | ***    | 13          | 933    | ***      | 8      | 94 **  |
| BOR 02858   | 9      | 5803  | 180        | 103   |        | 7      | 30       | *      | 8         | 333.2  | ***         | 5      | 940      | ***    | 79 *** |
| MARIBOSS    | 9      | 6278  | 655        | 112   | ***    | 7      | 32       | **     | 8         | 333.7  | ***         | 5      | 951      | ***    | 69 *** |
| GUNBO       | 39     | 5994  | 372        | 107   | ***    | 30     | 24       | o      | 38        | 334.8  | ***         | 24     | 958      | ***    | 84 *** |

## Syysvehnä, 2004-2011, Viralliset kokeet

Winter wheat, *Triticum aestivum* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike      | kpl    | Tjp<br>g              | kpl    | Hlp<br>kg       | kpl    | Valk.-<br>% | kpl    | Sako-<br>luku 1     | kpl    | Sako-<br>luku 3     |
|-------------|--------|-----------------------|--------|-----------------|--------|-------------|--------|---------------------|--------|---------------------|
| Variety     | trials | 1000 seed<br>weight g | trials | HL weight<br>kg | trials | Prot.-<br>% | trials | Falling<br>number 1 | trials | Falling<br>number 3 |
| URHO        | =C 40  | 40.8                  | 39     | 77.4            | 40     | 12.6        | 40     | 341                 | 12     | 228                 |
| NIC05-4588A | 3      | 41.2                  | 3      | 79.7 **         | 3      | 12.0 *      | 3      | 289 *               | 1      | 209                 |
| KUBAN       | 14     | 42.7 **               | 14     | 78.0            | 14     | 12.5        | 14     | 327                 | 5      | 235                 |
| ELLVIS      | 9      | 38.5 **               | 9      | 74.5 ***        | 9      | 11.6 ***    | 9      | 347                 | 3      | 251                 |
| SKAGEN      | 16     | 46.1 ***              | 16     | 76.9            | 16     | 12.1 ***    | 16     | 339                 | 5      | 244                 |
| FRONTAL     | 3      | 41.7                  | 3      | 74.8 **         | 3      | 11.9 **     | 3      | 233 ***             | 1      | 209                 |
| ARKTIKA     | 23     | 39.6 *                | 22     | 79.6 ***        | 23     | 11.7 ***    | 23     | 281 ***             | 9      | 191 *               |
| BOR 02858   | 9      | 41.9                  | 9      | 77.8            | 9      | 12.1 **     | 9      | 221 ***             | 3      | 160 *               |
| MARIBOSS    | 9      | 40.2                  | 9      | 72.6 ***        | 9      | 10.8 ***    | 9      | 285 ***             | 3      | 186                 |
| GUNBO       | 39     | 42.2 **               | 38     | 80.0 ***        | 39     | 11.6 ***    | 39     | 298 ***             | 12     | 216                 |

### Syysvehnä, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Winter wheat, *Triticum aestivum* L., 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike      | kpl    | Vyöhyke I<br>Sato<br>kg/ha | Suhde-<br>luku | kpl    | Vyöhyke II<br>Sato<br>kg/ha | Suhde-<br>luku |
|-------------|--------|----------------------------|----------------|--------|-----------------------------|----------------|
| Variety     | trials | Zone I<br>Yield<br>kg/ha   | rel.           | trials | Zone II<br>Yield<br>kg/ha   | rel.           |
| URHO =C     | 27     | 5608                       | 100            | 13     | 5660                        | 100            |
| NIC05-4588A | 3      | 6067                       | 108            |        |                             |                |
| KUBAN       | 10     | 5488                       | 98             | 4      | 5511                        | 97             |
| ELLVIS      | 7      | 4944                       | 88 **          | 2      | 6218                        | 110            |
| SKAGEN      | 12     | 6155                       | 110 **         | 4      | 6149                        | 109            |
| FRONTAL     | 3      | 5864                       | 105            |        |                             |                |
| ARCTIKA     | 15     | 5828                       | 104            | 8      | 5747                        | 102            |
| BOR 02858   | 7      | 5739                       | 102            | 2      | 6000                        | 106            |
| MARIBOSS    | 7      | 6160                       | 110 *          | 2      | 6665                        | 118 *          |
| GUNBO       | 26     | 6023                       | 107 **         | 13     | 5946                        | 105            |

## Syysvehnä, 2004-2011, Viralliset kokeet: Luokittelu vuosittain

Winter wheat, *Triticum aestivum* L., 2004-2011, Official variety trials: Classification according to year

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike      | kpl    | Vuosi 2008 | Suhde- | kpl    | Vuosi 2009 | Suhde- | kpl    | Vuosi 2010 | Suhde-  | kpl    | Vuosi 2011 | Suhde- |
|-------------|--------|------------|--------|--------|------------|--------|--------|------------|---------|--------|------------|--------|
|             |        | kg/ha      | luku   |        | kg/ha      | luku   |        | kg/ha      | luku    |        | kg/ha      | luku   |
| Variety     | trials | Year 2008  |        | trials | Year 2009  |        | trials | Year 2010  |         | trials | Year 2011  |        |
|             |        | kg/ha      | rel.   |        | kg/ha      | rel.   |        | kg/ha      | rel.    |        | kg/ha      | rel.   |
| URHO        | =C 6   | 5703       | 100    | 5      | 6121       | 100    | 6      | 5274       | 100     | 3      | 4603       | 100    |
| NIC05-4588A |        |            |        |        |            |        |        |            |         | 3      | 4824       | 105    |
| KUBAN       |        |            |        | 5      | 5783       | 94     | 6      | 5771       | 109     | o 3    | 4198       | 91     |
| ELLVIS      |        |            |        |        |            |        | 6      | 5554       | 105     | 3      | 3491       | 76 **  |
| SKAGEN      | 2      | 5949       | 104    | 5      | 6614       | 108    | 6      | 6221       | 118 **  | 3      | 5190       | 113    |
| FRONTAL     |        |            |        |        |            |        |        |            |         | 3      | 4621       | 100    |
| ARKTIKA     | 6      | 5810       | 102    | 4      | 6584       | 108    | 3      | 5782       | 110     | 1      | 4681       | 102    |
| BOR 02858   |        |            |        |        |            |        | 6      | 5826       | 110     | o 3    | 4659       | 101    |
| MARIBOSS    |        |            |        |        |            |        | 6      | 6569       | 125 *** | 3      | 4598       | 100    |
| GUNBO       | 6      | 6402       | 112 ** | 5      | 6529       | 107    | 6      | 6209       | 118 **  | 3      | 4540       | 99     |

### Syysvehnä, 2004-2011, Viralliset kokeet: Luokittelu satotason mukaan

Winter wheat, *Triticum aestivum* L., 2004-2011, Official variety trials: Classification according to average yield level of trial

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike      | kpl    | Alhainen taso<br>kg/ha | Suhde-<br>luku | kpl    | Keskimääräinen taso<br>kg/ha | Suhde-<br>luku | kpl    | Korkea taso<br>kg/ha | Suhde-<br>luku |
|-------------|--------|------------------------|----------------|--------|------------------------------|----------------|--------|----------------------|----------------|
| Variety     | trials | Low level<br>kg/ha     | rel.           | trials | Average level<br>kg/ha       | rel.           | trials | High level<br>kg/ha  | rel.           |
| URHO        | =C 12  | 3748                   | 100            | 13     | 5552                         | 100            | 15     | 7193                 | 100            |
| NIC05-4588A | 1      | 3545                   | 95             | 2      | 6290                         | 113 o          |        |                      |                |
| KUBAN       | 4      | 3533                   | 94             | 6      | 5403                         | 97             | 4      | 7311                 | 102            |
| ELLVIS      | 3      | 2394                   | 64 ***         | 4      | 5356                         | 96             | 2      | 7940                 | 110 o          |
| SKAGEN      | 6      | 3820                   | 102            | 6      | 6347                         | 114 **         | 4      | 8077                 | 112 **         |
| FRONTAL     | 1      | 3063                   | 82             | 2      | 6227                         | 112 o          |        |                      |                |
| ARCTIKA     | 8      | 3837                   | 102            | 6      | 5960                         | 107            | 9      | 7268                 | 101            |
| BOR 02858   | 3      | 3675                   | 98             | 4      | 5777                         | 104            | 2      | 7743                 | 108            |
| MARIBOSS    | 3      | 4037                   | 108            | 4      | 6308                         | 114 *          | 2      | 8276                 | 115 **         |
| GUNBO       | 11     | 4101                   | 109 o          | 13     | 5991                         | 108 *          | 15     | 7509                 | 104 o          |

## Syysvehnä, 2004-2011, Viralliset kokeet

Winter wheat, *Triticum aestivum* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike      | kpl    | Sato<br>(ruiskutettu)<br>kg/ha          | Suhde-<br>luku | Sato<br>(ruiskuttamaton)<br>kg/ha | Suhde-<br>luku | Sato-<br>ero        |     |
|-------------|--------|-----------------------------------------|----------------|-----------------------------------|----------------|---------------------|-----|
| Variety     | trials | Yield<br>(fungicide treatment)<br>kg/ha | rel.           | Yield<br>(no treatment)<br>kg/ha  | rel.           | Yield<br>difference |     |
| URHO        | =C 16  | 6538                                    | 100            | 5689                              | 100            | 848                 | *** |
| BOR 02858   | 4      | 6776                                    | 104            | 5527                              | 97             | 1249                | *** |
| MARIBOSS    | 4      | 6589                                    | 101            | 5729                              | 101            | 860                 | *** |
| ARKTIKA     | 13     | 6858                                    | 105            | 6012                              | 106            | 846                 | *** |
| GUNBO       | 16     | 6746                                    | 103            | 6092                              | 107            | 653                 | *** |
| SKAGEN      | 7      | 6861                                    | 105            | 6288                              | 111            | 572                 | *** |
| FRONTAL     | 2      | 5821                                    | 89             | 5304                              | 93             | 516                 | o   |
| ELLVIS      | 4      | 5116                                    | 78             | 4667                              | 82             | 448                 | *   |
| KUBAN       | 7      | 6075                                    | 93             | 5636                              | 99             | 439                 | *   |
| NIC05-4588A | 2      | 7020                                    | 107            | 6799                              | 120            | 221                 |     |

### Syysvehnä, 2004-2011, Viralliset kokeet

Winter wheat, *Triticum aestivum* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike      | kpl    | Talvituho<br>(ruiskutettu)<br>%             | Suhde-<br>luku | Talvituho<br>(ruiskuttamaton)<br>%   | Suhde-<br>luku | Ero        |
|-------------|--------|---------------------------------------------|----------------|--------------------------------------|----------------|------------|
| Variety     | trials | Winter damage<br>(fungicide treatment)<br>% | rel.           | Winter damage<br>(no treatment)<br>% | rel.           | Difference |
| URHO        | =C 16  | 9                                           | 100            | 11                                   | 100            | -1         |
| BOR 02858   | 4      | 11                                          | 122            | 21                                   | 191            | -9 ***     |
| SKAGEN      | 7      | 11                                          | 122            | 16                                   | 145            | -4 *       |
| FRONTAL     | 2      | 28                                          | 311 ***        | 32                                   | 291            | -3         |
| MARIBOSS    | 4      | 18                                          | 200 *          | 21                                   | 191            | -3         |
| ARCTIKA     | 14     | 5                                           | 56             | 8                                    | 73             | -2         |
| ELLVIS      | 4      | 37                                          | 411 ***        | 37                                   | 336            | 0          |
| GUNBO       | 16     | 14                                          | 156 *          | 15                                   | 136            | 0          |
| KUBAN       | 7      | 14                                          | 156            | 15                                   | 136            | 0          |
| NIC05-4588A | 2      | 19                                          | 211 o          | 19                                   | 173            | 0          |



## Syysvehnä, 2003-2010, Viralliset kokeet

Winter wheat, *Triticum aestivum* L., 2003-2010, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    |        | Jauho- |       |        | Sako-   |        |        | Valk.   |         | Kostea |       |        | Zeleny- |        |        | Vedensidonta |                  |
|-----------|--------|--------|-------|--------|---------|--------|--------|---------|---------|--------|-------|--------|---------|--------|--------|--------------|------------------|
|           | kpl    | saanto | %     | kpl    | luku    | s      | kpl    | NIR     | %       | kpl    | sitko | %      | kpl     | luku   | %      | kpl          | (kost. 14%)      |
|           |        |        |       |        |         |        |        |         |         |        |       |        |         |        |        |              |                  |
| Variety   | trials | Flour  | yield | trials | Falling | number | trials | Protein | content | trials | Wet   | gluten | trials  | Zeleny | number | trials       | Water absorption |
|           |        | %      | %     |        | s       |        |        | %       | %       |        | %     | %      |         |        |        |              | (moisture 14%)   |
|           |        |        |       |        |         |        |        |         |         |        |       |        |         |        |        |              | %                |
| URHO      | =C 15  | 72.0   |       | 16     | 408     |        | 15     | 12.5    |         | 16     | 30.6  |        | 16      | 36     |        | 16           | 67.2             |
| GUNBO     | 12     | 72.5   |       | 11     | 377     | *      | 12     | 11.5    | ***     | 12     | 28.2  | **     | 12      | 38     |        | 12           | 55.7 ***         |
| SKAGEN    | 5      | 71.7   |       | 5      | 449     | *      | 5      | 11.4    | **      | 5      | 24.3  | ***    | 5       | 53     | ***    | 5            | 57.3 ***         |
| KUBAN     | 5      | 71.2   |       | 5      | 412     |        | 5      | 11.7    | *       | 5      | 26.8  | **     | 5       | 50     | ***    | 5            | 58.2 ***         |
| ELLVIS    | 2      | 71.0   |       | 2      | 409     |        | 2      | 11.5    | *       | 2      | 27.3  | *      | 2       | 47     | **     | 2            | 60.1 ***         |
| ARKTIKA   | 5      | 66.4   | ***   | 5      | 325     | ***    | 5      | 11.4    | ***     | 5      | 26.0  | ***    | 5       | 36     |        | 5            | 55.1 ***         |
| MARIBOSS  | 1      | 63.2   | ***   | 1      | 355     |        | 1      | 9.9     | ***     | 1      | 18.0  | ***    | 1       | 31     |        | 1            | 52.7 ***         |
| BOR 02858 | 2      | 60.8   | ***   | 2      | 301     | ***    | 2      | 11.7    | o       | 2      | 26.0  | **     | 2       | 23     | **     | 2            | 55.0 ***         |

### Syysvehnä, 2003-2010, Viralliset kokeet

Winter wheat, *Triticum aestivum* L., 2003-2010, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    | kpl    | Valori-<br>metri<br>luku | kpl    | Ektenso-<br>grammin 90<br>pituus, mm in | kpl    | Ektenso-<br>grammin 90 min<br>korkeus, FU | kpl    | Leipä-<br>tilavuus<br>m | kpl    | Huokoi-<br>suus    | kpl    | Kimmoi-<br>suus     | kpl    | Arvo-<br>luku     |
|-----------|--------|--------------------------|--------|-----------------------------------------|--------|-------------------------------------------|--------|-------------------------|--------|--------------------|--------|---------------------|--------|-------------------|
| Variety   | trials | Value                    | trials | Extensograp<br>90 min length<br>mm      | trials | Extensograp<br>90 min height<br>FU        | trials | Loaf<br>volume<br>ml    | trials | Grumb<br>structure | trials | Grumb<br>resilience | trials | Quality<br>number |
| URHO      | =C 16  | 46                       | 16     | 185                                     | 16     | 218                                       | 11     | 1599                    | 16     | 5.7                | 16     | 3.5                 | 16     | 545               |
| GUNBO     | 12     | 45                       | 12     | 194 o                                   | 12     | 254 *                                     | 8      | 1641                    | 12     | 7.2 ***            | 12     | 2.8                 | 12     | 663 ***           |
| SKAGEN    | 5      | 51 **                    | 5      | 207 **                                  | 5      | 427 ***                                   | 5      | 1619                    | 5      | 6.8 *              | 5      | 5.4 o               | 5      | 621 o             |
| KUBAN     | 5      | 52 **                    | 5      | 203 *                                   | 5      | 421 ***                                   | 5      | 1659                    | 5      | 7.0 **             | 5      | 4.6                 | 5      | 652 **            |
| ELLVIS    | 2      | 52 *                     | 2      | 191                                     | 2      | 377 ***                                   | 2      | 1606                    | 2      | 6.8 o              | 2      | 5.0                 | 2      | 621               |
| ARKTIKA   | 5      | 45                       | 5      | 178                                     | 5      | 438 ***                                   | 5      | 1554                    | 5      | 6.4 o              | 5      | 7.8 ***             | 5      | 569               |
| MARIBOSS  | 1      | 39 *                     | 1      | 184                                     | 1      | 556 ***                                   | 1      | 1494                    | 1      | 6.8                | 1      | 8.0 *               | 1      | 576               |
| BOR 02858 | 2      | 54 **                    | 2      | 142 ***                                 | 2      | 243                                       | 2      | 1683                    | 2      | 6.9 o              | 2      | 3.0                 | 2      | 657 o             |

## Ruisvehnä, 2004-2011, Viralliset kokeet

*Triticale, X Triticosecale Wittmack.*, 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    | kpl    | Sato<br>kg/ha  | Sato-<br>ero        | Suhde-<br>luku | kpl    | Talvi-<br>tuho %   | kpl    | Tähtkimisen<br>alk. pv | kpl    | Kasvuaika<br>pv   | kpl    | Lämpö-<br>summa    | kpl    | Lako-<br>%    |
|-----------|--------|----------------|---------------------|----------------|--------|--------------------|--------|------------------------|--------|-------------------|--------|--------------------|--------|---------------|
| Variety   | trials | Yield<br>kg/ha | Yield<br>difference | rel.           | trials | Winter<br>damage % | trials | Coming<br>into ear d   | trials | Growing<br>time d | trials | Temperature<br>sum | trials | Lodging-<br>% |
| FIDELIO   | =C 19  | 5766           | 0                   | 100            | 11     | 18.7               | 8      | 275.2                  | 18     | 337.1             | 12     | 970                | 9      | 13            |
| BOR 09001 | 5      | 4896           | -869                | 85             | 5      | 29.0               | 3      | 273.9 o                | 5      | 333.3 ***         | 3      | 925 **             | 2      | 11            |
| EMPERO    | 2      | 5337           | -428                | 93             | 2      | 34.2               | 2      | 275.0                  | 2      | 334.3 *           | 1      | 930 o              |        |               |
| KINERIT   | 5      | 5749           | -16                 | 100            | 5      | 36.8               | 3      | 273.6 *                | 5      | 334.7 *           | 3      | 944 o              | 2      | 30 *          |
| WOLTARIO  | 12     | 5128           | -637                | 89             | 8      | 43.5 *             | 4      | 274.2 o                | 11     | 334.8 **          | 7      | 945 *              | 5      | 10            |

### Ruisvehnä, 2004-2011, Viralliset kokeet

*Triticale, X Triticosecale Wittmack.*, 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike     | kpl    | Pituus<br>cm | kpl    | Tjp<br>g              | kpl    | Hlp<br>kg       | kpl    | Valk.-<br>% | kpl    | Sako-<br>luku 1     |
|------------|--------|--------------|--------|-----------------------|--------|-----------------|--------|-------------|--------|---------------------|
| Variety    | trials | Lenght<br>cm | trials | 1000 seed<br>weight g | trials | HI weight<br>kg | trials | Prot.-<br>% | trials | Falling<br>number 1 |
| FIDELIO =C | 19     | 81           | 19     | 46.9                  | 19     | 69.5            | 19     | 11.9        | 18     | 82                  |
| BOR 09001  | 5      | 93 ***       | 5      | 41.2 **               | 5      | 63.8 ***        | 5      | 13.3 ***    | 5      | 116 **              |
| EMPERO     | 2      | 72 **        | 2      | 45.9                  | 2      | 70.0            | 2      | 11.9        | 2      | 136 **              |
| KINERIT    | 5      | 88 **        | 5      | 46.3                  | 5      | 67.9 o          | 5      | 12.1        | 5      | 85                  |
| WOLTARIO   | 12     | 81           | 11     | 40.8 ***              | 11     | 70.1            | 12     | 12.4 *      | 11     | 80                  |

### Ruisvehnä, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

*Triticale, X Triticosecale Wittmack.*, 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike     | kpl    | Vyöhyke I<br>Sato<br>kg/ha | Suhde-<br>luku | kpl    | Vyöhyke II<br>Sato<br>kg/ha | Suhde-<br>luku | kpl    | Vyöhyke III<br>Sato<br>kg/ha | Suhde-<br>luku |
|------------|--------|----------------------------|----------------|--------|-----------------------------|----------------|--------|------------------------------|----------------|
| Variety    | trials | Zone I<br>Yield<br>kg/ha   | rel.           | trials | Zone II<br>Yield<br>kg/ha   | rel.           | trials | Zone III<br>Yield<br>kg/ha   | rel.           |
| FIDELIO =C | 11     | 6405                       | 100            | 5      | 5474                        | 100            | 3      | 3757                         | 100            |
| BOR 09001  | 3      | 4770                       | 74 *           | 1      | 5071                        | 93             | 1      | 4066                         | 108            |
| EMPERO     | 1      | 5715                       | 89             | 1      | 4662                        | 85             |        |                              |                |
| KINERIT    | 3      | 6069                       | 95             | 1      | 4873                        | 89             | 1      | 4631                         | 123            |
| WOLTARIO   | 7      | 5105                       | 80 *           | 3      | 5465                        | 100            | 2      | 3647                         | 97             |

### Ruisvehnä, 2004-2011, Viralliset kokeet

*Triticale, X Triticosecale Wittmack.*, 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    | kpl    | Sato<br>(ruiskutettu)<br>kg/ha          | Suhde-<br>luku | Sato<br>(ruiskuttamaton)<br>kg/ha | Suhde-<br>luku | Sato-<br>ero        |
|-----------|--------|-----------------------------------------|----------------|-----------------------------------|----------------|---------------------|
| Variety   | trials | Yield<br>(fungicide treatment)<br>kg/ha | rel.           | Yield<br>(no treatment)<br>kg/ha  | rel.           | Yield<br>difference |
| FIDELIO   | =C 4   | 7156                                    | 100            | 6875                              | 100            | 280                 |
| WOLTARIO  | 3      | 6676                                    | 93             | 5600                              | 81             | 1076 ***            |
| BOR 09001 | 2      | 7144                                    | 100            | 6470                              | 94             | 674 *               |
| KINERIT   | 2      | 7867                                    | 110 o          | 7511                              | 109            | 355                 |

### Ruisvehnä, 2004-2011, Viralliset kokeet

*Triticale, X Triticosecale Wittmack.*, 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    | kpl    | Talvituho<br>(ruiskutettu)<br>%             | Suhde-<br>luku | Talvituho<br>(ruiskuttamaton)<br>%   | Suhde-<br>luku | Ero        |
|-----------|--------|---------------------------------------------|----------------|--------------------------------------|----------------|------------|
| Variety   | trials | Winter damage<br>(fungicide treatment)<br>% | rel.           | Winter damage<br>(no treatment)<br>% | rel.           | Difference |
| FIDELIO   | =C 4   | 1                                           | 100            | 4                                    | 100            | -2         |
| KINERIT   | 2      | 0                                           | 0              | 13                                   | 325            | -14 ***    |
| WOLTARIO  | 3      | 26                                          | 2600 ***       | 37                                   | 925            | -11 ***    |
| BOR 09001 | 2      | 0                                           | 0              | 0                                    | 0              | 0          |

## Kevätvehnä, 2004-2011, Viralliset kokeet

Spring wheat, *Triticum aestivum* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike       | kpl    | Sato           | Sato-<br>ero        | Suhde-<br>luku | kpl    | Tähtkimisen<br>alk. pv | kpl    | Kasvu aika<br>pv  | kpl    | Lämpö-<br>summa    | kpl    | Lako-<br>%    | kpl    | Pituus<br>cm |
|--------------|--------|----------------|---------------------|----------------|--------|------------------------|--------|-------------------|--------|--------------------|--------|---------------|--------|--------------|
| Variety      | trials | Yield<br>kg/ha | Yield<br>difference | rel.           | trials | Coming<br>into ear d   | trials | Growing<br>time d | trials | Temperature<br>sum | trials | Lodging-<br>% | trials | Length<br>cm |
| KRUUNU       | =C 55  | 5077           | 0                   | 100            | 38     | 55.8                   | 54     | 101.7             | 39     | 998                | 31     | 14            | 54     | 84           |
| ANNIINA      | 14     | 4833           | -243                | 95 o           | 11     | 53.9 ***               | 14     | 98.7 ***          | 14     | 973 ***            | 9      | 6 *           | 13     | 79 ***       |
| BOR 09321    | 7      | 3994           | -1083               | 79 ***         | 4      | 53.8 ***               | 7      | 99.4 **           | 5      | 962 ***            | 4      | 2 *           | 7      | 73 ***       |
| BOR 04086    | 14     | 4722           | -355                | 93 *           | 11     | 54.0 ***               | 14     | 100.0 **          | 9      | 974 ***            | 4      | 3 *           | 14     | 75 ***       |
| AINO         | 23     | 4796           | -281                | 94 *           | 16     | 55.1 **                | 23     | 100.0 ***         | 20     | 985 **             | 16     | 9 o           | 22     | 77 ***       |
| WANAMO       | 23     | 4709           | -367                | 93 **          | 17     | 56.8 ***               | 23     | 100.5 **          | 14     | 983 **             | 11     | 16            | 22     | 78 ***       |
| BOR 07550    | 7      | 4617           | -459                | 91 *           | 4      | 56.3                   | 7      | 100.5             | 5      | 981 *              | 4      | 5 o           | 7      | 79 ***       |
| BJARNE       | 28     | 4657           | -420                | 92 ***         | 24     | 54.1 ***               | 27     | 101.5             | 19     | 999                | 15     | 6 **          | 27     | 67 ***       |
| QUARNA       | 24     | 4905           | -171                | 97             | 19     | 54.6 ***               | 23     | 101.6             | 16     | 991                | 12     | 12            | 23     | 75 ***       |
| AALLOTAR     | 17     | 5076           | 0                   | 100            | 11     | 56.0                   | 17     | 102.1             | 10     | 1009 o             | 8      | 8             | 16     | 82 *         |
| KRABAT       | 7      | 5009           | -67                 | 99             | 4      | 56.5                   | 7      | 102.3             | 5      | 1002               | 4      | 10            | 7      | 73 ***       |
| MIRAKEL      | 7      | 5024           | -52                 | 99             | 4      | 56.0                   | 7      | 102.5             | 5      | 1007               | 4      | 34 ***        | 7      | 86 *         |
| BOR 06610    | 7      | 5201           | 123                 | 102            | 4      | 56.0                   | 7      | 102.7             | 5      | 1009               | 4      | 5 o           | 7      | 81 *         |
| SPECIFIK     | 13     | 4898           | -178                | 96             | 8      | 53.5 ***               | 13     | 102.8 *           | 9      | 1010 o             | 6      | 4 *           | 13     | 68 ***       |
| WELLAMO      | 27     | 5210           | 133                 | 103            | 20     | 54.2 ***               | 26     | 103.1 ***         | 17     | 1012 **            | 11     | 13            | 26     | 83           |
| KWS SCIROCCO | 13     | 5155           | 77                  | 102            | 10     | 53.4 ***               | 13     | 103.1 **          | 8      | 1017 **            | 4      | 5 o           | 13     | 82 *         |
| SW 71144     | 7      | 5216           | 139                 | 103            | 4      | 55.5                   | 7      | 103.3 *           | 5      | 1017 *             | 4      | 5 o           | 7      | 78 ***       |

## Kevätvehnä, 2004-2011, Viralliset kokeet

Spring wheat, *Triticum aestivum* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike          | kpl    | Sato  | Sato-      | Suhde-  | kpl    | Tähkimisen | kpl    | Kasvu aika | kpl    | Lämpö-      | kpl    | Lako-    | kpl    | Pituus |
|-----------------|--------|-------|------------|---------|--------|------------|--------|------------|--------|-------------|--------|----------|--------|--------|
|                 |        | kg/ha | ero        | luku    |        | alk. pv    |        | pv         |        | summa       |        | %        |        | cm     |
| Variety         | trials | Yield | Yield      |         | trials | Coming     | trials | Growing    | trials | Temperature | trials | Lodging- | trials | Lenght |
|                 |        | kg/ha | difference | rel.    |        | into ear d |        | time d     |        | sum         |        | %        |        | cm     |
| ZEBRA           | 29     | 5183  | 106        | 102     | 18     | 54.4 ***   | 29     | 103.6 ***  | 19     | 1023 ***    | 19     | 10       | 29     | 85     |
| STIKO           | 18     | 4924  | -153       | 97      | 13     | 55.8       | 18     | 103.8 ***  | 12     | 1023 ***    | 7      | 4 **     | 18     | 69 *** |
| DEMONSTRANT     | 24     | 5337  | 260        | 105 *   | 18     | 56.4 *     | 24     | 104.0 ***  | 17     | 1025 ***    | 11     | 10       | 24     | 78 *** |
| PICOLO          | 24     | 5186  | 109        | 102     | 16     | 56.5 *     | 24     | 104.0 ***  | 18     | 1027 ***    | 17     | 10       | 23     | 75 *** |
| SEANCE          | 7      | 5958  | 880        | 117 *** | 4      | 54.0 ***   | 7      | 104.0 ***  | 5      | 1029 ***    | 4      | 34 ***   | 7      | 73 *** |
| BOR 07585       | 7      | 5863  | 786        | 115 *** | 4      | 56.5       | 7      | 104.1 ***  | 5      | 1029 ***    | 4      | 12       | 7      | 84     |
| ARABESKA        | 13     | 5149  | 71         | 101     | 9      | 54.4 ***   | 13     | 104.2 ***  | 9      | 1033 ***    | 5      | 5 o      | 13     | 79 *** |
| MARBLE          | 26     | 5175  | 98         | 102     | 20     | 56.7 ***   | 25     | 104.3 ***  | 18     | 1027 ***    | 12     | 9 o      | 25     | 79 *** |
| BOMBONA         | 18     | 5295  | 218        | 104     | 15     | 56.7 **    | 17     | 104.9 ***  | 13     | 1033 ***    | 10     | 10       | 17     | 85 *   |
| SECFK-431-01-03 | 3      | 5717  | 640        | 113 *   | 2      | 55.1       | 3      | 105.0 ***  | 1      | 1057 ***    | 1      | 8        | 3      | 75 *** |
| AMARETTO        | 54     | 5698  | 621        | 112 *** | 38     | 56.7 ***   | 53     | 105.2 ***  | 38     | 1038 ***    | 30     | 18 o     | 53     | 84     |
| SERTORI         | 18     | 5167  | 90         | 102     | 12     | 55.6       | 18     | 105.3 ***  | 11     | 1041 ***    | 8      | 6 *      | 17     | 72 *** |
| PUNTARI         | 22     | 5704  | 626        | 112 *** | 19     | 55.9       | 21     | 105.5 ***  | 16     | 1043 ***    | 8      | 10       | 22     | 77 *** |
| SECFK 415-00-4  | 13     | 5616  | 539        | 111 *** | 9      | 56.4       | 13     | 105.7 ***  | 9      | 1049 ***    | 5      | 8        | 13     | 87 *** |
| SEPTIMA         | 7      | 5652  | 575        | 111 **  | 4      | 55.5       | 7      | 105.7 ***  | 5      | 1051 ***    | 4      | 4 o      | 7      | 68 *** |
| AMULETT         | 13     | 5231  | 153        | 103     | 9      | 56.0       | 13     | 105.8 ***  | 9      | 1051 ***    | 5      | 12       | 13     | 80 *** |
| EPOS            | 29     | 5343  | 265        | 105 *   | 22     | 58.1 ***   | 28     | 106.2 ***  | 17     | 1046 ***    | 15     | 6 **     | 28     | 81 *** |
| KW 760-2-08     | 7      | 4884  | -192       | 96      | 4      | 56.0       | 7      | 106.5 ***  | 5      | 1048 ***    | 4      | 48 ***   | 7      | 84     |

### Kevätvehnä, 2004-2011, Viralliset kokeet

Spring wheat, *Triticum aestivum* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike       | kpl    | Tjp                   |  | kpl    | Hlp             |  | kpl    | Valk.-      |  | kpl    | Sako-               |  | kpl    | Sako-               |
|--------------|--------|-----------------------|--|--------|-----------------|--|--------|-------------|--|--------|---------------------|--|--------|---------------------|
|              |        | g                     |  |        | kg              |  |        | %           |  |        | luku 1              |  |        | luku 3              |
| Variety      | trials | 1000 seed<br>weight g |  | trials | HL weight<br>kg |  | trials | Prot.-<br>% |  | trials | Falling<br>number 1 |  | trials | Falling<br>number 3 |
| KRUUNU       | =C 55  | 36.4                  |  | 55     | 77.0            |  | 55     | 12.9        |  | 53     | 311                 |  | 15     | 259                 |
| ANNIINA      | 14     | 34.1 ***              |  | 14     | 80.2 ***        |  | 14     | 15.0 ***    |  | 12     | 290                 |  | 6      | 135 ***             |
| BOR 09321    | 7      | 36.5                  |  | 7      | 75.4 *          |  | 7      | 14.6 ***    |  | 7      | 228 ***             |  | 2      | 146 **              |
| BOR 04086    | 14     | 38.3 **               |  | 14     | 77.9 *          |  | 14     | 15.1 ***    |  | 14     | 313                 |  | 4      | 186 **              |
| AINO         | 23     | 34.5 ***              |  | 23     | 76.5            |  | 23     | 13.0        |  | 22     | 236 ***             |  | 8      | 150 ***             |
| WANAMO       | 23     | 34.6 ***              |  | 23     | 78.3 ***        |  | 23     | 14.2 ***    |  | 23     | 346 ***             |  | 7      | 227                 |
| BOR 07550    | 7      | 35.8                  |  | 7      | 77.1            |  | 7      | 14.0 ***    |  | 7      | 333                 |  | 2      | 257                 |
| BJARNE       | 28     | 34.4 ***              |  | 28     | 78.1 **         |  | 28     | 14.2 ***    |  | 27     | 320                 |  | 8      | 172 ***             |
| QUARNA       | 24     | 37.3 o                |  | 24     | 79.5 ***        |  | 24     | 15.0 ***    |  | 24     | 301                 |  | 8      | 233                 |
| AALLOTAR     | 17     | 34.7 **               |  | 17     | 78.2 **         |  | 17     | 13.2 o      |  | 17     | 256 ***             |  | 5      | 157 ***             |
| KRABAT       | 7      | 34.5 *                |  | 7      | 78.0 o          |  | 7      | 13.5 **     |  | 7      | 311                 |  | 2      | 169 *               |
| MIRAKEL      | 7      | 36.7                  |  | 7      | 77.6            |  | 7      | 13.8 ***    |  | 7      | 286                 |  | 2      | 169 *               |
| BOR 06610    | 7      | 39.5 ***              |  | 7      | 77.7            |  | 7      | 13.1        |  | 7      | 307                 |  | 2      | 261                 |
| SPECIFIK     | 13     | 37.0                  |  | 13     | 79.7 ***        |  | 13     | 13.9 ***    |  | 13     | 260 ***             |  | 4      | 191 **              |
| WELLAMO      | 27     | 35.4 *                |  | 27     | 80.2 ***        |  | 27     | 13.6 ***    |  | 27     | 277 ***             |  | 8      | 171 ***             |
| KWS SCIROCCO | 13     | 46.8 ***              |  | 13     | 80.3 ***        |  | 13     | 14.0 ***    |  | 13     | 252 ***             |  | 4      | 154 ***             |
| SW 71144     | 7      | 38.3 *                |  | 7      | 79.5 ***        |  | 7      | 12.9        |  | 7      | 284                 |  | 2      | 215                 |



## Kevätvehnä, 2004-2011, Viralliset kokeet

Spring wheat, *Triticum aestivum* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike          | kpl    | Tjp<br>g              |  | kpl    | Hlp<br>kg       | kpl    | Valk.-<br>% |  | kpl    | Sako-<br>luku 1     |  | kpl    | Sako-<br>luku 3     |
|-----------------|--------|-----------------------|--|--------|-----------------|--------|-------------|--|--------|---------------------|--|--------|---------------------|
| Variety         | trials | 1000 seed<br>weight g |  | trials | HI weight<br>kg | trials | Prot.-<br>% |  | trials | Falling<br>number 1 |  | trials | Falling<br>number 3 |
| ZEBRA           | 29     | 39.6 ***              |  | 29     | 80.1 ***        | 29     | 12.8        |  | 28     | 289 *               |  | 8      | 202 **              |
| STIKO           | 18     | 38.7 ***              |  | 18     | 78.8 ***        | 18     | 14.2 ***    |  | 18     | 286 *               |  | 5      | 181 **              |
| DEMONSTRANT     | 24     | 37.4 o                |  | 24     | 80.4 ***        | 24     | 13.0        |  | 24     | 296                 |  | 9      | 186 ***             |
| PICOLO          | 24     | 39.8 ***              |  | 24     | 77.9 **         | 24     | 13.1        |  | 23     | 279 **              |  | 7      | 179 ***             |
| SEANCE          | 7      | 37.9 o                |  | 7      | 80.2 ***        | 7      | 11.6 ***    |  | 7      | 223 ***             |  | 2      | 162 **              |
| BOR 07585       | 7      | 39.7 ***              |  | 7      | 79.3 ***        | 7      | 11.8 ***    |  | 7      | 263 **              |  | 2      | 214                 |
| ARABESKA        | 13     | 39.8 ***              |  | 13     | 79.4 ***        | 13     | 12.8        |  | 13     | 218 ***             |  | 4      | 165 ***             |
| MARBLE          | 26     | 39.5 ***              |  | 26     | 80.3 ***        | 26     | 12.9        |  | 26     | 288 *               |  | 9      | 187 ***             |
| BOMBONA         | 18     | 40.4 ***              |  | 18     | 79.3 ***        | 18     | 13.2 o      |  | 18     | 241 ***             |  | 5      | 140 ***             |
| SECFK-431-01-03 | 3      | 42.3 ***              |  | 3      | 80.3 ***        | 3      | 12.0 **     |  | 3      | 326                 |  | 1      | 275                 |
| AMARETTO        | 54     | 39.2 ***              |  | 54     | 79.7 ***        | 54     | 12.0 ***    |  | 52     | 270 ***             |  | 14     | 172 ***             |
| SERTORI         | 18     | 41.1 ***              |  | 18     | 81.4 ***        | 18     | 13.7 ***    |  | 18     | 299                 |  | 6      | 230                 |
| PUNTARI         | 22     | 37.0                  |  | 22     | 80.7 ***        | 22     | 11.9 ***    |  | 22     | 215 ***             |  | 7      | 131 ***             |
| SECFK 415-00-4  | 13     | 43.0 ***              |  | 13     | 78.8 ***        | 13     | 11.9 ***    |  | 13     | 281 *               |  | 4      | 192 *               |
| SEPTIMA         | 7      | 34.9 o                |  | 7      | 80.5 ***        | 7      | 12.9        |  | 7      | 275 *               |  | 2      | 201                 |
| AMULETT         | 13     | 39.5 ***              |  | 13     | 80.4 ***        | 13     | 13.1        |  | 13     | 287 o               |  | 4      | 201 *               |
| EPOS            | 29     | 37.5 *                |  | 29     | 77.2            | 29     | 13.0        |  | 29     | 306                 |  | 9      | 197 **              |
| KW 760-2-08     | 7      | 43.0 ***              |  | 7      | 79.7 ***        | 7      | 12.8        |  | 7      | 205 ***             |  | 2      | 208                 |

### Kevätvehnä, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Spring wheat, *Triticum aestivum* L., 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike       | Vyöhyke I |                |                | Vyöhyke II |                |                | Vyöhyke III |                |                |
|--------------|-----------|----------------|----------------|------------|----------------|----------------|-------------|----------------|----------------|
|              | kpl       | Sato<br>kg/ha  | Suhde-<br>luku | kpl        | Sato<br>kg/ha  | Suhde-<br>luku | kpl         | Sato<br>kg/ha  | Suhde-<br>luku |
| Variety      | trials    | Yield<br>kg/ha | rel.           | trials     | Yield<br>kg/ha | rel.           | trials      | Yield<br>kg/ha | rel.           |
| KRUUNU       | =C 32     | 5003           | 100            | 14         | 5284           | 100            | 8           | 5153           | 100            |
| ANNIINA      | 1         | 4263           | 85             | 6          | 4694           | 89 *           | 6           | 5335           | 104            |
| BOR 09321    | 4         | 4494           | 90 o           | 2          | 3086           | 58 ***         | 1           | 3857           | 75 **          |
| BOR 04086    | 8         | 4591           | 92 *           | 3          | 4736           | 90 o           | 3           | 5106           | 99             |
| AINO         | 9         | 4529           | 91 *           | 8          | 5135           | 97             | 6           | 4978           | 97             |
| WANAMO       | 12        | 4634           | 93 *           | 8          | 4819           | 91 *           | 3           | 4924           | 96             |
| BOR 07550    | 4         | 4537           | 91 o           | 2          | 4782           | 90             | 1           | 4658           | 90             |
| BJARNE       | 15        | 4355           | 87 ***         | 7          | 4924           | 93 o           | 6           | 5204           | 101            |
| QUARNA       | 14        | 4862           | 97             | 6          | 5187           | 98             | 4           | 4626           | 90 *           |
| AALLOTAR     | 9         | 4928           | 98             | 5          | 5245           | 99             | 3           | 5401           | 105            |
| KRABAT       | 4         | 4943           | 99             | 2          | 5033           | 95             | 1           | 5275           | 102            |
| MIRAKEL      | 4         | 5350           | 107            | 2          | 4728           | 89             | 1           | 4361           | 85 o           |
| BOR 06610    | 4         | 5098           | 102            | 2          | 5462           | 103            | 1           | 5137           | 100            |
| SPECIFIK     | 8         | 4843           | 97             | 3          | 4726           | 89 o           | 2           | 5408           | 105            |
| WELLAMO      | 14        | 5205           | 104            | 9          | 5182           | 98             | 4           | 5503           | 107            |
| KWS SCIROCCO | 8         | 5119           | 102            | 3          | 5499           | 104            | 2           | 4733           | 92             |
| SW 71144     | 4         | 5260           | 105            | 2          | 5051           | 96             | 1           | 5421           | 105            |

# Kevätvehnä, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Spring wheat, *Triticum aestivum* L., 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike          | Vyöhyke I        |                |                | Vyöhyke II        |                |                | Vyöhyke III        |                |                |
|-----------------|------------------|----------------|----------------|-------------------|----------------|----------------|--------------------|----------------|----------------|
|                 | kpl              | Sato<br>kg/ha  | Suhde-<br>luku | kpl               | Sato<br>kg/ha  | Suhde-<br>luku | kpl                | Sato<br>kg/ha  | Suhde-<br>luku |
| Variety         | Zone I<br>trials | Yield<br>kg/ha | rel.           | Zone II<br>trials | Yield<br>kg/ha | rel.           | Zone III<br>trials | Yield<br>kg/ha | rel.           |
| ZEBRA           | 19               | 4960           | 99             | 7                 | 5681           | 108 o          | 3                  | 5333           | 103            |
| STIKO           | 11               | 4831           | 97             | 4                 | 4917           | 93             | 3                  | 5303           | 103            |
| DEMONSTRANT     | 14               | 5226           | 104            | 6                 | 5437           | 103            | 4                  | 5689           | 110 *          |
| PICOLO          | 12               | 5169           | 103            | 8                 | 5036           | 95             | 4                  | 5711           | 111 *          |
| SEANCE          | 4                | 6027           | 120 ***        | 2                 | 6069           | 115 *          | 1                  | 5506           | 107            |
| BOR 07585       | 4                | 5856           | 117 **         | 2                 | 5894           | 112 o          | 1                  | 5879           | 114            |
| ARABESKA        | 8                | 4850           | 97             | 3                 | 5459           | 103            | 2                  | 5909           | 115 *          |
| MARBLE          | 14               | 5118           | 102            | 8                 | 5296           | 100            | 4                  | 5260           | 102            |
| BOMBONA         | 10               | 5169           | 103            | 5                 | 5431           | 103            | 3                  | 5605           | 109            |
| SECFK-431-01-03 | 3                | 5699           | 114 *          |                   |                |                |                    |                |                |
| AMARETTO        | 31               | 5596           | 112 ***        | 14                | 5842           | 111 **         | 8                  | 5889           | 114 ***        |
| SERTORI         | 10               | 5183           | 104            | 5                 | 5087           | 96             | 3                  | 5378           | 104            |
| PUNTARI         | 12               | 5597           | 112 ***        | 6                 | 5896           | 112 **         | 4                  | 5873           | 114 **         |
| SECFK 415-00-4  | 8                | 5507           | 110 *          | 3                 | 5863           | 111 o          | 2                  | 5716           | 111 o          |
| SEPTIMA         | 4                | 5644           | 113 *          | 2                 | 5620           | 106            | 1                  | 5796           | 112            |
| AMULETT         | 8                | 5158           | 103            | 3                 | 5157           | 98             | 2                  | 5664           | 110            |
| EPOS            | 21               | 5178           | 103            | 5                 | 5698           | 108 o          | 3                  | 5522           | 107            |
| KW 760-2-08     | 4                | 4764           | 95             | 2                 | 5241           | 99             | 1                  | 4699           | 91             |

### Kevätvehnä, 2004-2011, Viralliset kokeet: Luokittelu vuosittain

Spring wheat, *Triticum aestivum* L., 2004-2011, Official variety trials: Classification according to year

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike       |    | kpl    | Vuosi 2008 | Suhde- |  | kpl    | Vuosi 2009 | Suhde- |   | kpl    | Vuosi 2010 | Suhde- |  | kpl    | Vuosi 2011 | Suhde- |
|--------------|----|--------|------------|--------|--|--------|------------|--------|---|--------|------------|--------|--|--------|------------|--------|
|              |    |        | kg/ha      | luku   |  |        | kg/ha      | luku   |   |        | kg/ha      | luku   |  |        | kg/ha      | luku   |
| Variety      |    | trials | Year 2008  |        |  | trials | Year 2009  |        |   | trials | Year 2010  |        |  | trials | Year 2011  |        |
|              |    |        | kg/ha      | rel.   |  |        | kg/ha      | rel.   |   |        | kg/ha      | rel.   |  |        | kg/ha      | rel.   |
| KRUUNU       | =C | 7      | 4761       | 100    |  | 7      | 5955       | 100    |   | 6      | 4754       | 100    |  | 7      | 5663       | 100    |
| ANNIINA      |    | 2      | 5049       | 106    |  | 2      | 5381       | 90     | o |        |            |        |  |        |            |        |
| BOR 09321    |    |        |            |        |  |        |            |        |   |        |            |        |  | 7      | 4318       | 76 *** |
| BOR 04086    |    |        |            |        |  | 7      | 5408       | 91     | * | 6      | 3998       | 84 *** |  | 1      | 5901       | 104    |
| AINO         |    | 2      | 5506       | 116 ** |  | 2      | 5733       | 96     |   |        |            |        |  |        |            |        |
| WANAMO       |    | 7      | 4682       | 98     |  | 5      | 4795       | 81 *** |   | 2      | 4622       | 97     |  | 2      | 5325       | 94     |
| BOR 07550    |    |        |            |        |  |        |            |        |   |        |            |        |  | 7      | 4941       | 87 *   |
| BJARNE       |    | 5      | 4833       | 102    |  | 4      | 4785       | 80 *** |   | 1      | 4018       | 85 o   |  |        |            |        |
| QUARNA       |    | 4      | 4917       | 103    |  | 4      | 5783       | 97     |   | 2      | 4594       | 97     |  | 2      | 5745       | 101    |
| AALLOTAR     |    | 7      | 4983       | 105    |  | 7      | 6031       | 101    |   | 3      | 4032       | 85 **  |  |        |            |        |
| KRABAT       |    |        |            |        |  |        |            |        |   |        |            |        |  | 7      | 5334       | 94     |
| MIRAKEL      |    |        |            |        |  |        |            |        |   |        |            |        |  | 7      | 5349       | 94     |
| BOR 06610    |    |        |            |        |  |        |            |        |   |        |            |        |  | 7      | 5525       | 98     |
| SPECIFIK     |    |        |            |        |  | 2      | 5264       | 88 *   |   | 4      | 4646       | 98     |  | 7      | 5142       | 91     |
| WELLAMO      |    | 7      | 5127       | 108 *  |  | 5      | 5700       | 96     |   | 3      | 4751       | 100    |  | 2      | 5512       | 97     |
| KWS SCIROCCO |    |        |            |        |  | 6      | 5920       | 99     |   | 6      | 4653       | 98     |  | 1      | 4579       | 81     |
| SW 71144     |    |        |            |        |  |        |            |        |   |        |            |        |  | 7      | 5541       | 98     |

### Kevätvehnä, 2004-2011, Viralliset kokeet: Luokittelu vuosittain

Spring wheat, *Triticum aestivum* L., 2004-2011, Official variety trials: Classification according to year

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike          | kpl    | Vuosi 2008 | Suhde- |     | kpl    | Vuosi 2009 | Suhde- |     | kpl    | Vuosi 2010 | Suhde- |   | kpl    | Vuosi 2011 | Suhde- |   |
|-----------------|--------|------------|--------|-----|--------|------------|--------|-----|--------|------------|--------|---|--------|------------|--------|---|
|                 |        | kg/ha      | luku   |     |        | kg/ha      | luku   |     |        | kg/ha      | luku   |   |        | kg/ha      | luku   |   |
| Variety         | trials | Year 2008  |        |     | trials | Year 2009  |        |     | trials | Year 2010  |        |   | trials | Year 2011  |        |   |
|                 |        | kg/ha      | rel.   |     |        | kg/ha      | rel.   |     |        | kg/ha      | rel.   |   |        | kg/ha      | rel.   |   |
| ZEBRA           | 3      | 5295       | 111    | *   | 3      | 5687       | 95     |     | 2      | 4559       | 96     |   | 1      | 5655       | 100    |   |
| STIKO           |        |            |        |     | 7      | 5609       | 94     |     | 6      | 4514       | 95     |   | 5      | 5040       | 89     |   |
| DEMONSTRANT     | 7      | 5511       | 116    | *** | 5      | 5974       | 100    |     | 4      | 4669       | 98     |   | 2      | 5262       | 93     |   |
| PICOLO          | 2      | 4359       | 92     |     |        |            |        |     |        |            |        |   |        |            |        |   |
| SEANCE          |        |            |        |     |        |            |        |     |        |            |        |   | 7      | 6282       | 111    | o |
| BOR 07585       |        |            |        |     |        |            |        |     |        |            |        |   | 7      | 6187       | 109    |   |
| ARABESKA        |        |            |        |     |        |            |        |     | 6      | 4720       | 99     |   | 7      | 5382       | 95     |   |
| MARBLE          | 4      | 4824       | 101    |     | 5      | 5797       | 97     |     | 2      | 4145       | 87     | * | 2      | 5646       | 100    |   |
| BOMBONA         | 5      | 5382       | 113    | **  |        |            |        |     |        |            |        |   |        |            |        |   |
| SECFK-431-01-03 |        |            |        |     |        |            |        |     |        |            |        |   | 3      | 5987       | 106    |   |
| AMARETTO        | 7      | 5509       | 116    | *** | 7      | 6839       | 115    | *** | 6      | 4958       | 104    |   | 7      | 6097       | 108    |   |
| SERTORI         | 7      | 5401       | 113    | *** | 7      | 5593       | 94     |     | 4      | 4603       | 97     |   |        |            |        |   |
| PUNTARI         |        |            |        |     | 5      | 6221       | 104    |     | 4      | 5137       | 108    | o |        |            |        |   |
| SECFK 415-00-4  |        |            |        |     |        |            |        |     | 6      | 5088       | 107    | o | 7      | 5935       | 105    |   |
| SEPTIMA         |        |            |        |     |        |            |        |     |        |            |        |   | 7      | 5976       | 106    |   |
| AMULETT         |        |            |        |     |        |            |        |     | 6      | 4791       | 101    |   | 7      | 5474       | 97     |   |
| EPOS            | 5      | 5708       | 120    | *** | 3      | 6056       | 102    |     | 3      | 4242       | 89     | * |        |            |        |   |
| KW 760-2-08     |        |            |        |     |        |            |        |     |        |            |        |   | 7      | 5209       | 92     |   |

### Kevätvehnä, 2004-2011, Viralliset kokeet: Luokittelu satotason mukaan

Spring wheat, *Triticum aestivum* L., 2004-2011, Official variety trials: Classification according to average yield level of trial  
 Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike       | kpl    | Alhainen taso<br>kg/ha | Suhde-<br>luku | kpl    | Keskimääräinen taso<br>kg/ha | Suhde-<br>luku | kpl    | Korkea taso<br>kg/ha | Suhde-<br>luku |
|--------------|--------|------------------------|----------------|--------|------------------------------|----------------|--------|----------------------|----------------|
| Variety      | trials | Low level<br>kg/ha     | rel.           | trials | Average level<br>kg/ha       | rel.           | trials | High level<br>kg/ha  | rel.           |
| KRUUNU       | =C 17  | 4167                   | 100            | 18     | 5005                         | 100            | 20     | 5944                 | 100            |
| ANNIINA      | 1      | 4224                   | 101            | 7      | 4757                         | 95             | 6      | 5669                 | 95             |
| BOR 09321    |        |                        |                | 4      | 4623                         | 92             | 3      | 3939                 | 66 ***         |
| BOR 04086    | 5      | 3645                   | 87 **          | 3      | 4863                         | 97             | 6      | 5631                 | 95             |
| AINO         | 6      | 3979                   | 95             | 8      | 4475                         | 89 *           | 9      | 5852                 | 98             |
| WANAMO       | 7      | 4045                   | 97             | 7      | 4737                         | 95             | 9      | 5264                 | 89 ***         |
| BOR 07550    |        |                        |                | 4      | 4645                         | 93             | 3      | 5363                 | 90 *           |
| BJARNE       | 8      | 3638                   | 87 **          | 8      | 4704                         | 94             | 12     | 5477                 | 92 **          |
| QUARNA       | 8      | 3887                   | 93 o           | 7      | 4708                         | 94             | 9      | 5915                 | 100            |
| AALLOTAR     | 5      | 3738                   | 90 *           | 2      | 5168                         | 103            | 10     | 6104                 | 103            |
| KRABAT       |        |                        |                | 4      | 4953                         | 99             | 3      | 5869                 | 99             |
| MIRAKEL      |        |                        |                | 4      | 5154                         | 103            | 3      | 5635                 | 95             |
| BOR 06610    |        |                        |                | 4      | 5112                         | 102            | 3      | 6103                 | 103            |
| SPECIFIK     | 3      | 4283                   | 103            | 4      | 4980                         | 100            | 6      | 5531                 | 93 o           |
| WELLAMO      | 8      | 4266                   | 102            | 8      | 5268                         | 105            | 11     | 5980                 | 101            |
| KWS SCIROCCO | 5      | 4350                   | 104            | 2      | 4650                         | 93             | 6      | 6096                 | 103            |
| SW 71144     |        |                        |                | 4      | 5224                         | 104            | 3      | 5989                 | 101            |

### Kevätvehnä, 2004-2011, Viralliset kokeet: Luokittelu satotason mukaan

Spring wheat, *Triticum aestivum* L., 2004-2011, Official variety trials: Classification according to average yield level of trial  
 Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike          | kpl    | Alhainen taso<br>kg/ha | Suhde-<br>luku | kpl    | Keskimääräinen taso<br>kg/ha | Suhde-<br>luku | kpl    | Korkea taso<br>kg/ha | Suhde-<br>luku |
|-----------------|--------|------------------------|----------------|--------|------------------------------|----------------|--------|----------------------|----------------|
| Variety         | trials | Low level<br>kg/ha     | rel.           | trials | Average level<br>kg/ha       | rel.           | trials | High level<br>kg/ha  | rel.           |
| ZEBRA           | 11     | 4247                   | 102            | 8      | 5092                         | 102            | 10     | 6111                 | 103            |
| STIKO           | 5      | 4078                   | 98             | 5      | 4679                         | 93             | 8      | 5865                 | 99             |
| DEMONSTRANT     | 8      | 4299                   | 103            | 7      | 5110                         | 102            | 9      | 6400                 | 108 *          |
| PICOLO          | 8      | 4077                   | 98             | 8      | 5508                         | 110 *          | 8      | 5863                 | 99             |
| SEANCE          |        |                        |                | 4      | 5866                         | 117 **         | 3      | 6863                 | 115 **         |
| BOR 07585       |        |                        |                | 4      | 5832                         | 117 **         | 3      | 6688                 | 113 *          |
| ARABESKA        | 5      | 4268                   | 102            | 4      | 4723                         | 94             | 4      | 6341                 | 107            |
| MARBLE          | 7      | 3924                   | 94             | 10     | 5302                         | 106            | 9      | 6032                 | 101            |
| BOMBONA         | 6      | 4391                   | 105            | 7      | 5053                         | 101            | 5      | 6331                 | 107 o          |
| SECFK-431-01-03 |        |                        |                | 3      | 5700                         | 114 *          |        |                      |                |
| AMARETTO        | 16     | 4526                   | 109 **         | 18     | 5686                         | 114 ***        | 20     | 6719                 | 113 ***        |
| SERTORI         | 6      | 4298                   | 103            | 2      | 4554                         | 91             | 10     | 6097                 | 103            |
| PUNTARI         | 7      | 4816                   | 116 ***        | 9      | 5522                         | 110 *          | 6      | 6650                 | 112 **         |
| SECFK 415-00-4  | 5      | 4757                   | 114 **         | 4      | 5354                         | 107            | 4      | 6619                 | 111 **         |
| SEPTIMA         |        |                        |                | 4      | 5766                         | 115 *          | 3      | 6284                 | 106            |
| AMULETT         | 5      | 4361                   | 105            | 4      | 5172                         | 103            | 4      | 6043                 | 102            |
| EPOS            | 13     | 4189                   | 101            | 6      | 5388                         | 108            | 10     | 6429                 | 108 **         |
| KW 760-2-08     |        |                        |                | 4      | 4589                         | 92             | 3      | 6062                 | 102            |

## Kevätvehnä, 2003-2010, Viralliset kokeet

Spring wheat, *Triticum aestivum* L., 2003-2010, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike         |        | Jauho-<br>kpl saanto<br>% |  | Sako-<br>kpl luku<br>s        |  | Valk.<br>kpl NIR<br>%          |  | Kostea<br>kpl sitko<br>%  |  | Zeleny-<br>kpl luku     |  | Vedensidonta<br>kpl (kost. 14%)<br>%           |
|----------------|--------|---------------------------|--|-------------------------------|--|--------------------------------|--|---------------------------|--|-------------------------|--|------------------------------------------------|
| Variety        | trials | Flour<br>yield<br>%       |  | Falling<br>trials number<br>s |  | Protein<br>trials content<br>% |  | Wet<br>trials gluten<br>% |  | Zeleny<br>trials number |  | Water absorption<br>trials (moisture 14%)<br>% |
| KRUUNU         | =C 20  | 72.4                      |  | 17 358                        |  | 20 11.8                        |  | 20 26.9                   |  | 20 54                   |  | 20 58.1                                        |
| AMARETTO       | 17     | 74.2 ***                  |  | 16 315 **                     |  | 17 10.9 ***                    |  | 17 25.0 **                |  | 17 42 ***               |  | 17 58.2                                        |
| PUNTARI        | 5      | 73.4                      |  | 5 267 ***                     |  | 5 10.8 **                      |  | 5 28.2                    |  | 5 38 ***                |  | 5 54.9 ***                                     |
| SPECIFIK       | 3      | 73.2                      |  | 3 300 *                       |  | 3 12.7 *                       |  | 3 28.6                    |  | 3 54                    |  | 3 58.7                                         |
| SECFK 415-00-4 | 3      | 72.9                      |  | 3 336                         |  | 3 10.9 *                       |  | 3 26.6                    |  | 3 46 *                  |  | 3 58.7                                         |
| ZEBRA          | 4      | 72.0                      |  | 4 357                         |  | 4 12.2                         |  | 4 27.6                    |  | 4 45 ***                |  | 4 57.8                                         |
| AMULETT        | 3      | 71.9                      |  | 3 327                         |  | 3 11.9                         |  | 3 30.8 **                 |  | 3 36 ***                |  | 3 60.3 **                                      |
| MARBLE         | 7      | 71.0 *                    |  | 7 322 o                       |  | 7 12.1                         |  | 7 29.1 *                  |  | 7 47 **                 |  | 7 58.0                                         |
| WANAMO         | 5      | 70.9 *                    |  | 5 420 **                      |  | 5 12.9 ***                     |  | 5 29.1 *                  |  | 5 64 ***                |  | 5 57.2 o                                       |
| ANNIINA        | 2      | 70.9                      |  | 2 375                         |  | 2 14.1 ***                     |  | 2 34.7 ***                |  | 2 62 *                  |  | 2 59.9 *                                       |
| PICOLO         | 7      | 70.8 **                   |  | 5 343                         |  | 7 11.7                         |  | 7 27.1                    |  | 7 55                    |  | 7 61.9 ***                                     |
| ARABESKA       | 3      | 70.8 o                    |  | 3 276 **                      |  | 3 12.4                         |  | 3 27.9                    |  | 3 56                    |  | 3 58.6                                         |
| AALLOTAR       | 5      | 70.7 *                    |  | 5 331                         |  | 5 12.2                         |  | 5 28.5                    |  | 5 50                    |  | 5 58.4                                         |
| SERTORI        | 5      | 70.6 *                    |  | 5 335                         |  | 5 12.6 **                      |  | 5 28.1                    |  | 5 64 ***                |  | 5 60.6 ***                                     |
| KWS SCIROCCO   | 6      | 70.5 **                   |  | 6 358                         |  | 6 13.0 ***                     |  | 6 30.8 ***                |  | 6 63 ***                |  | 6 62.1 ***                                     |
| BOMBONA        | 7      | 70.2 ***                  |  | 7 309 **                      |  | 7 12.7 **                      |  | 7 27.9                    |  | 7 57 o                  |  | 7 58.3                                         |
| EPOS           | 7      | 70.1 ***                  |  | 5 379                         |  | 7 11.7                         |  | 7 27.3                    |  | 7 54                    |  | 7 58.6                                         |
| BJARNE         | 8      | 69.8 ***                  |  | 6 418 **                      |  | 8 13.5 ***                     |  | 8 29.0 *                  |  | 8 65 ***                |  | 8 59.0 o                                       |
| DEMONSTRANT    | 5      | 69.4 ***                  |  | 5 367                         |  | 5 12.0                         |  | 5 25.2                    |  | 5 51                    |  | 5 56.6 **                                      |
| BOR 04086      | 3      | 69.3 ***                  |  | 3 372                         |  | 3 14.1 ***                     |  | 3 36.3 ***                |  | 3 52                    |  | 3 62.6 ***                                     |
| QUARNA         | 6      | 68.9 ***                  |  | 4 441 ***                     |  | 6 14.5 ***                     |  | 6 32.9 ***                |  | 6 69 ***                |  | 6 64.4 ***                                     |
| AINO           | 7      | 68.8 ***                  |  | 5 355                         |  | 7 11.9                         |  | 7 26.4                    |  | 7 56                    |  | 7 60.0 ***                                     |
| WELLAMO        | 5      | 68.3 ***                  |  | 5 370                         |  | 5 12.7 **                      |  | 5 27.8                    |  | 5 55                    |  | 5 57.4                                         |
| STIKO          | 6      | 68.2 ***                  |  | 6 364                         |  | 6 13.3 ***                     |  | 6 33.1 ***                |  | 6 58 o                  |  | 6 59.8 **                                      |



## Kevätvehnä, 2003-2010, Viralliset kokeet

Spring wheat, *Triticum aestivum* L., 2003-2010, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike         | kpl    | Valori-<br>metri<br>luku | kpl    | Extensio-<br>grammin 90 min<br>pituus, mm | kpl    | Ektensio-<br>grammin 90 min<br>korkeus, mm | kpl    | Leipä-<br>tilavuus<br>ml | kpl    | Huokoi-<br>suus    | kpl    | Kimmoi-<br>suus     | kpl    | Arvo-<br>luku     |
|----------------|--------|--------------------------|--------|-------------------------------------------|--------|--------------------------------------------|--------|--------------------------|--------|--------------------|--------|---------------------|--------|-------------------|
| Variety        | trials | Valorimeter<br>value     | trials | Extensograp<br>90 min length<br>mm        | trials | Extensograp<br>90 min height<br>mm         | trials | Loaf<br>volume<br>ml     | trials | Grumb<br>structure | trials | Grumb<br>resilience | trials | Quality<br>number |
| KRUUNU         | =C 20  | 47                       | 20     | 203                                       | 20     | 439                                        | 12     | 1660                     | 20     | 5.5                | 20     | 5.5                 | 20     | 530               |
| AMARETTO       | 17     | 43 ***                   | 17     | 198                                       | 17     | 362 ***                                    | 13     | 1664                     | 17     | 5.9 o              | 17     | 5.7                 | 17     | 574 o             |
| PUNTARI        | 5      | 42 **                    | 5      | 220 o                                     | 5      | 229 ***                                    | 5      | 1759 *                   | 5      | 6.1                | 5      | 4.7                 | 5      | 629 **            |
| SPECIFIK       | 3      | 48                       | 3      | 196                                       | 3      | 485                                        | 3      | 1601                     | 3      | 4.6 o              | 3      | 5.5                 | 3      | 443 o             |
| SECFK 415-00-4 | 3      | 52 *                     | 3      | 205                                       | 3      | 429                                        | 3      | 1617                     | 3      | 5.8                | 3      | 3.6 *               | 3      | 531               |
| ZEBRA          | 4      | 52 **                    | 4      | 221 o                                     | 4      | 399                                        | 1      | 1806 *                   | 4      | 6.1                | 4      | 5.0                 | 4      | 599 o             |
| AMULETT        | 3      | 43 o                     | 3      | 217                                       | 3      | 144 ***                                    | 3      | 1833 ***                 | 3      | 6.6 *              | 3      | 1.7 ***             | 3      | 676 **            |
| MARBLE         | 7      | 47                       | 7      | 196                                       | 7      | 372 *                                      | 7      | 1714                     | 7      | 6.0                | 7      | 4.7                 | 7      | 604 *             |
| WANAMO         | 4      | 55 ***                   | 5      | 220 o                                     | 5      | 557 ***                                    | 5      | 1714                     | 5      | 5.4                | 5      | 5.2                 | 5      | 564               |
| ANNIINA        | 2      | 55 **                    | 2      | 263 ***                                   | 2      | 333 *                                      | 1      | 1773                     | 2      | 6.1                | 2      | 5.9                 | 2      | 594               |
| PICOLO         | 7      | 44 *                     | 7      | 206                                       | 7      | 313 ***                                    | 3      | 1623                     | 7      | 5.2                | 7      | 4.2 o               | 7      | 530               |
| ARABESKA       | 3      | 49                       | 3      | 229 *                                     | 3      | 379                                        | 3      | 1693                     | 3      | 4.6 o              | 3      | 3.1 *               | 3      | 473               |
| AALLOTAR       | 5      | 55 ***                   | 5      | 227 **                                    | 5      | 335 ***                                    | 5      | 1774 **                  | 5      | 6.7 **             | 5      | 4.6                 | 5      | 645 **            |
| SERTORI        | 5      | 55 ***                   | 5      | 238 ***                                   | 5      | 457                                        | 5      | 1624                     | 5      | 5.7                | 5      | 6.7                 | 5      | 542               |
| KWS SCIROCCO   | 6      | 53 ***                   | 6      | 240 ***                                   | 6      | 320 ***                                    | 6      | 1765 **                  | 6      | 6.7 **             | 6      | 3.6 **              | 6      | 661 ***           |
| BOMBONA        | 7      | 51 **                    | 7      | 225 **                                    | 7      | 446                                        | 7      | 1747 *                   | 7      | 5.2                | 7      | 4.6                 | 7      | 577               |
| EPOS           | 7      | 50 o                     | 7      | 219 *                                     | 7      | 352 **                                     | 3      | 1728                     | 7      | 5.2                | 7      | 4.1 *               | 7      | 566               |
| BJARNE         | 8      | 57 ***                   | 8      | 237 ***                                   | 8      | 449                                        | 6      | 1770 **                  | 8      | 5.7                | 8      | 3.8 **              | 8      | 607 *             |
| DEMONSTRANT    | 5      | 53 **                    | 5      | 202                                       | 5      | 440                                        | 5      | 1646                     | 5      | 5.6                | 5      | 4.4                 | 5      | 566               |
| BOR 04086      | 3      | 56 ***                   | 3      | 271 ***                                   | 3      | 208 ***                                    | 3      | 1866 ***                 | 3      | 5.8                | 3      | 0.7 ***             | 3      | 647 *             |
| QUARNA         | 5      | 59 ***                   | 6      | 215                                       | 6      | 555 ***                                    | 4      | 1729 o                   | 6      | 4.3 **             | 6      | 3.8 *               | 6      | 484               |
| AINO           | 7      | 45                       | 7      | 194                                       | 7      | 384 *                                      |        |                          | 7      | 5.3                | 7      | 4.5                 | 7      | 545               |
| WELLAMO        | 5      | 50 o                     | 5      | 206                                       | 5      | 429                                        | 5      | 1653                     | 5      | 5.4                | 5      | 5.5                 | 5      | 540               |
| STIKO          | 6      | 54 ***                   | 6      | 263 ***                                   | 6      | 295 ***                                    | 6      | 1826 ***                 | 6      | 6.0                | 6      | 2.1 ***             | 6      | 638 **            |

## Ohra, 2004-2011, Viralliset kokeet

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    |         | kpl    | Sato<br>kg/ha  | Sato-<br>ero        | Suhde-<br>luku |     | kpl    | Kasvuaika<br>pv   |     | kpl    | Lämpö-<br>summa    |     | kpl    | Lako-<br>%    |     | kpl    | Pituus<br>cm |     |
|-----------|---------|--------|----------------|---------------------|----------------|-----|--------|-------------------|-----|--------|--------------------|-----|--------|---------------|-----|--------|--------------|-----|
| Variety   |         | trials | Yield<br>kg/ha | Yield<br>difference |                |     | trials | Growing<br>time d |     | trials | Temperature<br>sum |     | trials | Lodging-<br>% |     | trials | Lenght<br>cm |     |
| HARBINGER | * 2r =C | 24     | 5642           | 0                   | 100            |     | 24     | 95.8              |     | 18     | 951                |     | 16     | 13            |     | 24     | 67           |     |
| ARTTURI   | **6r    | 11     | 5161           | -480                | 91             | **  | 11     | 83.2              | *** | 11     | 804                | *** | 9      | 27            | **  | 11     | 76           | *** |
| VOITTO    | 6r      | 29     | 5083           | -558                | 90             | *** | 28     | 84.6              | *** | 27     | 823                | *** | 22     | 22            | *   | 28     | 77           | *** |
| ROLFI     | 6r      | 99     | 5076           | -564                | 90             | *** | 96     | 84.7              | *** | 92     | 818                | *** | 66     | 30            | *** | 96     | 71           | *** |
| PILVI     | 6r      | 29     | 4975           | -666                | 88             | *** | 29     | 84.8              | *** | 28     | 825                | *** | 19     | 20            | o   | 29     | 78           | *** |
| AUKUSTI   | 6r      | 22     | 5813           | 171                 | 103            |     | 22     | 84.9              | *** | 22     | 828                | *** | 14     | 20            |     | 22     | 80           | *** |
| WOLMARI   | 6r      | 22     | 5845           | 203                 | 104            |     | 22     | 85.8              | *** | 22     | 836                | *** | 14     | 18            |     | 22     | 73           | *** |
| TIRIL     | 6r      | 38     | 5393           | -248                | 96             | *   | 38     | 86.1              | *** | 38     | 836                | *** | 24     | 17            |     | 37     | 76           | *** |
| BOR 07533 | 6r      | 18     | 5762           | 120                 | 102            |     | 15     | 87.3              | *** | 15     | 843                | *** | 12     | 19            |     | 16     | 74           | *** |
| GAUTE     | 6r      | 8      | 5570           | -71                 | 99             |     | 8      | 87.3              | *** | 7      | 856                | *** | 8      | 24            | *   | 8      | 82           | *** |
| ALTTI     | 6r      | 25     | 5649           | 7                   | 100            |     | 25     | 87.7              | *** | 25     | 850                | *** | 17     | 16            |     | 25     | 76           | *** |
| TRYM      | 6r      | 18     | 5914           | 272                 | 105            | *   | 15     | 88.1              | *** | 15     | 854                | *** | 12     | 23            | *   | 16     | 80           | *** |
| OLAVI     | 6r      | 31     | 5243           | -397                | 93             | *** | 31     | 88.9              | *** | 31     | 866                | *** | 20     | 16            |     | 30     | 78           | *** |
| POLARTOP  | 6r      | 15     | 5116           | -525                | 91             | *** | 15     | 89.1              | *** | 14     | 870                | *** | 12     | 25            | **  | 15     | 85           | *** |
| JYVÄ      | 6r      | 17     | 5244           | -397                | 93             | **  | 17     | 89.2              | *** | 17     | 870                | *** | 13     | 29            | *** | 17     | 76           | *** |
| VILDE     | 6r      | 51     | 5582           | -59                 | 99             |     | 48     | 89.2              | *** | 47     | 867                | *** | 37     | 8             |     | 49     | 73           | *** |
| ERKKI     | 6r      | 15     | 5414           | -227                | 96             |     | 15     | 89.4              | *** | 15     | 874                | *** | 11     | 34            | *** | 15     | 77           | *** |
| BRAGE     | 6r      | 21     | 6106           | 464                 | 108            | *** | 21     | 89.4              | *** | 21     | 869                | *** | 14     | 14            |     | 21     | 78           | *** |
| EINAR     | 6r      | 35     | 5868           | 226                 | 104            | o   | 35     | 90.2              | *** | 35     | 879                | *** | 22     | 11            |     | 35     | 77           | *** |
| EERI-K    | 6r      | 20     | 5609           | -32                 | 99             |     | 20     | 90.4              | *** | 20     | 883                | *** | 14     | 10            |     | 20     | 71           | *** |
| ELMERI    | 6r      | 30     | 5904           | 262                 | 105            | *   | 30     | 90.6              | *** | 30     | 882                | *** | 18     | 11            |     | 30     | 72           | *** |
| BOR 09707 | 6r      | 9      | 5958           | 316                 | 106            | o   | 7      | 90.6              | *** | 7      | 883                | *** | 6      | 18            |     | 8      | 74           | *** |
| KUNNARI   | 6r      | 75     | 5541           | -100                | 98             |     | 75     | 91.1              | *** | 71     | 889                | *** | 48     | 26            | *** | 74     | 79           | *** |
| EDEL      | 6r      | 20     | 5573           | -68                 | 99             |     | 20     | 91.5              | *** | 18     | 894                | *** | 16     | 9             |     | 20     | 81           | *** |
| SAANA     | 2r      | 23     | 4833           | -808                | 86             | *** | 23     | 91.7              | *** | 20     | 896                | *** | 16     | 20            |     | 23     | 67           |     |
| EDVIN     | 6r      | 29     | 5968           | 326                 | 106            | **  | 29     | 91.9              | *** | 29     | 898                | *** | 18     | 22            | *   | 29     | 79           | *** |
| RAGNA     | 6r      | 18     | 6112           | 470                 | 108            | *** | 15     | 92.1              | *** | 15     | 902                | *** | 12     | 7             |     | 16     | 77           | *** |

\* 2 r = kaksitahoinen ohra, two-row barley

\*\* 6 r = monitahoinen ohra, six-row barley

## Ohra, 2004-2011, Viralliset kokeet

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike       |    | kpl    | Sato  |  | Sato-      | Suhde- |         | kpl    | Kasvuaika |  | kpl    |             | Lämpö- |        | kpl      | Lako- |  | kpl    | Pituus |
|--------------|----|--------|-------|--|------------|--------|---------|--------|-----------|--|--------|-------------|--------|--------|----------|-------|--|--------|--------|
|              |    |        | kg/ha |  | ero        | luku   |         |        | pv        |  |        |             | -summa |        |          | %     |  |        | cm     |
| Variety      |    | trials | Yield |  | Yield      |        |         | trials | Growing   |  | trials | Temperature |        | trials | Lodging- |       |  | trials | Lenght |
|              |    |        | kg/ha |  | difference |        | rel.    |        | time d    |  |        | sum         |        |        | %        |       |  |        | cm     |
| BOR 09704    | 6r | 9      | 6030  |  | 388        |        | 107 *   | 7      | 92.2 ***  |  | 7      | 897 ***     |        | 6      | 13       |       |  | 8      | 76 *** |
| SCARLETT     | 2r | 84     | 5185  |  | -456       |        | 92 ***  | 83     | 92.2 ***  |  | 69     | 902 ***     |        | 53     | 26 ***   |       |  | 82     | 67     |
| TORIA        | 6r | 27     | 6380  |  | 738        |        | 113 *** | 24     | 92.6 ***  |  | 24     | 903 ***     |        | 17     | 18       |       |  | 25     | 74 *** |
| MINTTU       | 2r | 19     | 5622  |  | -19        |        | 100     | 19     | 93.3 ***  |  | 15     | 911 ***     |        | 10     | 20       |       |  | 19     | 66     |
| MARGRET      | 2r | 13     | 5220  |  | -421       |        | 93 **   | 13     | 93.4 ***  |  | 10     | 915 ***     |        | 10     | 23 *     |       |  | 13     | 65 o   |
| AURIGA       | 2r | 13     | 5072  |  | -568       |        | 90 ***  | 13     | 93.5 ***  |  | 10     | 915 ***     |        | 8      | 24 *     |       |  | 13     | 69     |
| TOLKIEN      | 2r | 17     | 5606  |  | -35        |        | 99      | 17     | 93.7 ***  |  | 12     | 914 ***     |        | 9      | 22 o     |       |  | 17     | 66 o   |
| ELISETA      | 2r | 22     | 5574  |  | -67        |        | 99      | 22     | 93.8 ***  |  | 16     | 921 ***     |        | 14     | 21 o     |       |  | 22     | 72 *** |
| SW MITJA     | 2r | 15     | 6070  |  | 429        |        | 108 **  | 14     | 93.9 **   |  | 12     | 928 **      |        | 10     | 15       |       |  | 14     | 70 *   |
| RAMBLER      | 2r | 24     | 5581  |  | -60        |        | 99      | 24     | 94.2 **   |  | 18     | 924 ***     |        | 16     | 21 *     |       |  | 24     | 66     |
| BRAEMAR      | 2r | 24     | 5197  |  | -443       |        | 92 ***  | 24     | 94.3 **   |  | 18     | 925 ***     |        | 18     | 27 ***   |       |  | 24     | 69     |
| MARTHE       | 2r | 30     | 5509  |  | -132       |        | 98      | 30     | 94.3 **   |  | 23     | 934 **      |        | 17     | 22 *     |       |  | 30     | 69     |
| XANADU       | 2r | 27     | 5400  |  | -241       |        | 96 *    | 27     | 94.6 *    |  | 20     | 931 **      |        | 15     | 16       |       |  | 27     | 68     |
| STRG 752/09  | 2r | 2      | 5663  |  | 21         |        | 100     | 2      | 94.7      |  | 2      | 940         |        | 2      | 37 **    |       |  | 2      | 70     |
| PRESTIGE     | 2r | 10     | 5102  |  | -539       |        | 90 ***  | 10     | 94.9      |  | 7      | 933 *       |        | 5      | 18       |       |  | 10     | 69     |
| IRON         | 2r | 22     | 6256  |  | 615        |        | 111 *** | 21     | 94.9 o    |  | 17     | 939 o       |        | 11     | 14       |       |  | 21     | 69     |
| MAAREN       | 2r | 20     | 5338  |  | -303       |        | 95 *    | 20     | 95.0      |  | 15     | 933 *       |        | 16     | 20       |       |  | 20     | 69     |
| INGMAR       | 2r | 23     | 5660  |  | 18         |        | 100     | 23     | 95.1      |  | 17     | 936 *       |        | 13     | 38 ***   |       |  | 23     | 74 *** |
| STREIF       | 2r | 26     | 6042  |  | 400        |        | 107 *** | 26     | 95.2      |  | 20     | 944         |        | 16     | 16       |       |  | 26     | 68     |
| NORD 08/2413 | 2r | 6      | 6258  |  | 616        |        | 111 **  | 6      | 95.3      |  | 5      | 947         |        | 5      | 18       |       |  | 6      | 65 o   |
| FAIRYTALE    | 2r | 24     | 6069  |  | 427        |        | 108 *** | 24     | 95.4      |  | 18     | 944         |        | 16     | 21 *     |       |  | 24     | 71 *** |
| CONCHITA     | 2r | 20     | 5728  |  | 86         |        | 102     | 20     | 95.4      |  | 13     | 942         |        | 11     | 23 *     |       |  | 20     | 66     |
| COLUMBUS     | 2r | 15     | 5899  |  | 257        |        | 105 o   | 14     | 95.5      |  | 12     | 947         |        | 10     | 34 ***   |       |  | 14     | 71 **  |
| BARKE        | 2r | 10     | 5381  |  | -260       |        | 95 o    | 10     | 95.5      |  | 8      | 944         |        | 5      | 18       |       |  | 10     | 72 *** |
| ANNABELL     | 2r | 78     | 5507  |  | -134       |        | 98      | 77     | 95.5      |  | 64     | 944         |        | 49     | 20 *     |       |  | 76     | 70 *** |
| CRUISER      | 2r | 17     | 5298  |  | -343       |        | 94 *    | 17     | 95.6      |  | 13     | 939         |        | 11     | 19       |       |  | 17     | 70 *   |
| SUNSHINE     | 2r | 19     | 5659  |  | 18         |        | 100     | 18     | 95.6      |  | 14     | 950         |        | 9      | 12       |       |  | 18     | 71 *** |

## Ohra, 2004-2011, Viralliset kokeet

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike                  |    | kpl    | Sato<br>kg/ha  | Sato-<br>ero        | Suhde-<br>luku |  | kpl    | Kasvu aika<br>pv  |  | kpl    | Lämpö-<br>summa    |  | kpl    | Lako-<br>%    |  | kpl    | Pituus<br>cm |
|-------------------------|----|--------|----------------|---------------------|----------------|--|--------|-------------------|--|--------|--------------------|--|--------|---------------|--|--------|--------------|
| Variety                 |    | trials | Yield<br>kg/ha | Yield<br>difference | rel.           |  | trials | Growing<br>time d |  | trials | Temperature<br>sum |  | trials | Lodging-<br>% |  | trials | Length<br>cm |
| EVERGREEN (PF 15020-56) | 2r | 8      | 5710           | 69                  | 101            |  | 7      | 95.6              |  | 7      | 946                |  | 6      | 32 ***        |  | 7      | 70 o         |
| OVERTURE (NSL07-8120A)  | 2r | 8      | 5965           | 323                 | 106 o          |  | 7      | 95.7              |  | 7      | 947                |  | 6      | 25 *          |  | 7      | 71 *         |
| JB MALTASIA             | 2r | 22     | 5524           | -117                | 98             |  | 22     | 95.7              |  | 16     | 949                |  | 14     | 23 *          |  | 22     | 66           |
| GRACE                   | 2r | 19     | 6097           | 455                 | 108 ***        |  | 18     | 95.7              |  | 14     | 953                |  | 9      | 24 *          |  | 18     | 70 *         |
| AMBER                   | 2r | 22     | 5655           | 13                  | 100            |  | 22     | 95.8              |  | 16     | 948                |  | 12     | 20 o          |  | 22     | 70 *         |
| BEATRIX                 | 2r | 20     | 5780           | 138                 | 102            |  | 20     | 95.8              |  | 15     | 947                |  | 11     | 19            |  | 20     | 69 o         |
| NORD 08/2530            | 2r | 5      | 5873           | 231                 | 104            |  | 5      | 95.9              |  | 4      | 951                |  | 4      | 31 **         |  | 5      | 68           |
| ALINA                   | 2r | 10     | 5129           | -512                | 91 **          |  | 10     | 95.9              |  | 8      | 937                |  | 9      | 17            |  | 10     | 77 ***       |
| TOLAR                   | 2r | 5      | 5259           | -382                | 93 o           |  | 5      | 95.9              |  | 4      | 934                |  | 5      | 24 o          |  | 5      | 71 *         |
| TREKKER                 | 2r | 8      | 6281           | 640                 | 111 ***        |  | 7      | 96.0              |  | 7      | 953                |  | 6      | 21            |  | 7      | 69           |
| POSADA                  | 2r | 19     | 5939           | 297                 | 105 *          |  | 18     | 96.0              |  | 14     | 954                |  | 9      | 20            |  | 18     | 70 *         |
| SYN 409-221             | 2r | 8      | 5855           | 213                 | 104            |  | 7      | 96.0              |  | 7      | 953                |  | 6      | 20            |  | 7      | 70 *         |
| GILDER                  | 2r | 8      | 5772           | 130                 | 102            |  | 7      | 96.1              |  | 7      | 950                |  | 6      | 19            |  | 7      | 72 **        |
| SHANNON                 | 2r | 15     | 5934           | 293                 | 105 *          |  | 15     | 96.1              |  | 11     | 958                |  | 6      | 13            |  | 15     | 70 *         |
| KWS BAMBINA             | 2r | 15     | 5687           | 45                  | 101            |  | 14     | 96.2              |  | 12     | 958                |  | 10     | 29 ***        |  | 14     | 71 **        |
| TOCADA                  | 2r | 36     | 5919           | 277                 | 105 *          |  | 36     | 96.3              |  | 27     | 950                |  | 22     | 18            |  | 36     | 71 ***       |
| OPTIMA                  | 2r | 5      | 4802           | -838                | 85 ***         |  | 5      | 96.5              |  | 4      | 940                |  | 5      | 14            |  | 5      | 58 ***       |
| PROPINO                 | 2r | 19     | 5803           | 161                 | 103            |  | 18     | 96.6              |  | 14     | 962                |  | 9      | 15            |  | 18     | 73 ***       |
| CROPTON                 | 2r | 14     | 5848           | 207                 | 104            |  | 14     | 96.8 o            |  | 10     | 968                |  | 5      | 17            |  | 14     | 71 **        |
| SE 208/08               | 2r | 2      | 6039           | 398                 | 107            |  | 2      | 96.8              |  | 2      | 963                |  | 2      | 27            |  | 2      | 73 *         |
| JUSTINA                 | 2r | 29     | 5918           | 276                 | 105 *          |  | 29     | 96.9 *            |  | 24     | 948                |  | 20     | 20            |  | 28     | 72 ***       |
| STRG 750/09             | 2r | 4      | 5407           | -234                | 96             |  | 3      | 97.3              |  | 3      | 966                |  | 3      | 61 ***        |  | 3      | 70           |
| SYN 408-197             | 2r | 8      | 6380           | 739                 | 113 ***        |  | 7      | 97.3 o            |  | 7      | 967 o              |  | 6      | 9             |  | 7      | 74 ***       |
| SCRABBLE                | 2r | 15     | 5954           | 312                 | 106 *          |  | 14     | 97.5 **           |  | 12     | 974 **             |  | 10     | 18            |  | 14     | 69           |
| NORD 09/2421 (GS 2563)  | 2r | 4      | 6072           | 430                 | 108 o          |  | 3      | 97.6              |  | 3      | 974 o              |  | 3      | 38 ***        |  | 3      | 68           |
| NFC TIPPLE              | 2r | 26     | 5841           | 199                 | 104 o          |  | 26     | 97.7 ***          |  | 20     | 968 **             |  | 13     | 16            |  | 26     | 67           |
| PUBLICAN                | 2r | 22     | 5726           | 84                  | 101            |  | 22     | 97.7 ***          |  | 16     | 973 **             |  | 11     | 17            |  | 22     | 70 **        |
| QUENCH                  | 2r | 22     | 5908           | 266                 | 105 *          |  | 22     | 97.7 ***          |  | 16     | 972 **             |  | 11     | 20            |  | 22     | 69           |

## Ohra, 2004-2011, Viralliset kokeet

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    |       | kpl    | Tjp<br>g              |  | kpl    | Hlp<br>kg       |  | kpl    | Valk.-<br>% |  | kpl    | Valk.sato<br>kg/ha  |     |
|-----------|-------|--------|-----------------------|--|--------|-----------------|--|--------|-------------|--|--------|---------------------|-----|
| Variety   |       | trials | 1000 seed<br>weight g |  | trials | HI weight<br>kg |  | trials | Prot.-<br>% |  | trials | Prot.yield<br>kg/ha |     |
| HARBINGER | 2r =C | 24     | 48.3                  |  | 24     | 68.1            |  | 24     | 11.5        |  | 24     | 559                 |     |
| ARTTURI   | 6r    | 11     | 38.2 ***              |  | 11     | 63.5 ***        |  | 11     | 13.1 ***    |  | 11     | 584                 |     |
| VOITTO    | 6r    | 29     | 40.9 ***              |  | 29     | 62.9 ***        |  | 29     | 12.5 ***    |  | 29     | 543                 |     |
| ROLFI     | 6r    | 98     | 38.7 ***              |  | 98     | 62.5 ***        |  | 98     | 12.6 ***    |  | 98     | 541                 | o   |
| PILVI     | 6r    | 29     | 41.3 ***              |  | 29     | 63.6 ***        |  | 29     | 13.3 ***    |  | 29     | 563                 |     |
| AUKUSTI   | 6r    | 22     | 42.4 ***              |  | 22     | 64.6 ***        |  | 22     | 12.0 ***    |  | 22     | 596                 | **  |
| WOLMARI   | 6r    | 22     | 40.6 ***              |  | 22     | 63.3 ***        |  | 22     | 12.1 ***    |  | 22     | 603                 | **  |
| TIRIL     | 6r    | 38     | 40.0 ***              |  | 38     | 63.7 ***        |  | 38     | 12.8 ***    |  | 38     | 587                 | *   |
| BOR 07533 | 6r    | 17     | 42.5 ***              |  | 17     | 64.1 ***        |  | 17     | 12.3 ***    |  | 17     | 595                 | *   |
| GAUTE     | 6r    | 8      | 41.4 ***              |  | 8      | 63.0 ***        |  | 8      | 12.3 ***    |  | 8      | 584                 |     |
| ALTTI     | 6r    | 25     | 43.9 ***              |  | 25     | 64.1 ***        |  | 25     | 12.0 ***    |  | 25     | 577                 |     |
| TRYM      | 6r    | 17     | 42.1 ***              |  | 17     | 63.6 ***        |  | 17     | 11.9 **     |  | 17     | 594                 | *   |
| OLAVI     | 6r    | 31     | 41.6 ***              |  | 31     | 62.0 ***        |  | 31     | 12.1 ***    |  | 31     | 536                 | o   |
| POLARTOP  | 6r    | 15     | 42.6 ***              |  | 15     | 63.6 ***        |  | 15     | 12.9 ***    |  | 15     | 573                 |     |
| JYVÄ      | 6r    | 17     | 41.6 ***              |  | 17     | 66.2 ***        |  | 17     | 12.6 ***    |  | 17     | 563                 |     |
| VILDE     | 6r    | 50     | 41.4 ***              |  | 50     | 63.6 ***        |  | 50     | 12.4 ***    |  | 50     | 583                 | *   |
| ERKKI     | 6r    | 15     | 40.5 ***              |  | 15     | 64.3 ***        |  | 15     | 11.8        |  | 15     | 541                 |     |
| BRAGE     | 6r    | 21     | 39.7 ***              |  | 21     | 65.3 ***        |  | 21     | 11.8 *      |  | 21     | 619                 | *** |
| EINAR     | 6r    | 35     | 40.8 ***              |  | 35     | 65.2 ***        |  | 35     | 11.6        |  | 35     | 578                 |     |
| EERIK     | 6r    | 20     | 42.9 ***              |  | 20     | 62.2 ***        |  | 20     | 11.8 o      |  | 20     | 561                 |     |
| ELMERI    | 6r    | 30     | 42.4 ***              |  | 30     | 64.2 ***        |  | 30     | 11.4        |  | 30     | 571                 |     |
| BOR 09707 | 6r    | 8      | 42.5 ***              |  | 8      | 65.1 ***        |  | 8      | 11.3        |  | 8      | 562                 |     |
| KUNNARI   | 6r    | 75     | 39.8 ***              |  | 75     | 65.3 ***        |  | 75     | 11.3 o      |  | 75     | 535                 | *   |
| EDEL      | 6r    | 20     | 40.8 ***              |  | 20     | 64.9 ***        |  | 20     | 11.5        |  | 20     | 543                 |     |
| SAANA     | 2r    | 23     | 47.0 *                |  | 23     | 66.3 ***        |  | 23     | 12.5 ***    |  | 23     | 513                 | *** |
| EDVIN     | 6r    | 29     | 41.0 ***              |  | 29     | 64.3 ***        |  | 29     | 11.1 **     |  | 29     | 564                 |     |
| RAGNA     | 6r    | 17     | 45.0 ***              |  | 17     | 66.2 ***        |  | 17     | 11.3        |  | 17     | 585                 | o   |
| BOR 09704 | 6r    | 8      | 42.7 ***              |  | 8      | 65.2 ***        |  | 8      | 11.4        |  | 8      | 590                 | o   |

## Ohra, 2004-2011, Viralliset kokeet

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike       |    | kpl    | Tjp<br>g              |  | kpl    | Hlp<br>kg       |  | kpl    | Valk.-<br>% |  | kpl    | Valk.sato<br>kg/ha  |
|--------------|----|--------|-----------------------|--|--------|-----------------|--|--------|-------------|--|--------|---------------------|
| Variety      |    | trials | 1000 seed<br>weight g |  | trials | HI weight<br>kg |  | trials | Prot.-<br>% |  | trials | Prot.yield<br>kg/ha |
| SCARLETT     | 2r | 83     | 45.1 ***              |  | 83     | 68.4            |  | 83     | 12.3 ***    |  | 83     | 547                 |
| TORIA        | 6r | 26     | 46.0 ***              |  | 26     | 65.9 ***        |  | 26     | 11.3        |  | 26     | 607 ***             |
| MINTTU       | 2r | 19     | 51.4 ***              |  | 19     | 66.2 ***        |  | 19     | 12.0 **     |  | 19     | 577                 |
| MARGRET      | 2r | 13     | 47.1                  |  | 13     | 68.8            |  | 13     | 12.2 ***    |  | 13     | 538                 |
| AURIGA       | 2r | 13     | 47.7                  |  | 13     | 69.0 o          |  | 13     | 12.0 **     |  | 13     | 515 **              |
| TOLKIEN      | 2r | 17     | 49.5 o                |  | 17     | 66.5 ***        |  | 17     | 11.2 *      |  | 17     | 540                 |
| ELISETA      | 2r | 22     | 51.0 ***              |  | 22     | 70.1 ***        |  | 22     | 12.3 ***    |  | 22     | 590 *               |
| SW MITJA     | 2r | 14     | 49.0                  |  | 14     | 69.2 *          |  | 14     | 11.6        |  | 14     | 615 ***             |
| RAMBLER      | 2r | 24     | 51.0 ***              |  | 24     | 67.7            |  | 24     | 11.6        |  | 24     | 554                 |
| BRAEMAR      | 2r | 24     | 48.0                  |  | 24     | 66.8 **         |  | 24     | 12.1 ***    |  | 24     | 532 *               |
| MARTHE       | 2r | 30     | 45.9 ***              |  | 30     | 67.8            |  | 30     | 12.0 ***    |  | 30     | 566                 |
| XANADU       | 2r | 27     | 47.8                  |  | 27     | 67.4 o          |  | 27     | 12.3 ***    |  | 27     | 565                 |
| STRG 752/09  | 2r | 2      | 50.9 o                |  | 2      | 68.4            |  | 2      | 11.1        |  | 2      | 545                 |
| PRESTIGE     | 2r | 10     | 50.0 *                |  | 10     | 68.1            |  | 10     | 12.0 **     |  | 10     | 525 *               |
| IRON         | 2r | 21     | 48.2                  |  | 21     | 67.9            |  | 21     | 11.2 *      |  | 21     | 606 ***             |
| MAAREN       | 2r | 20     | 46.8 *                |  | 20     | 67.6            |  | 20     | 12.0 ***    |  | 20     | 547                 |
| INGMAR       | 2r | 23     | 52.1 ***              |  | 23     | 68.5            |  | 23     | 11.8 *      |  | 23     | 570                 |
| STREIF       | 2r | 26     | 50.2 **               |  | 26     | 67.8            |  | 26     | 11.7        |  | 26     | 608 ***             |
| NORD 08/2413 | 2r | 6      | 49.3                  |  | 6      | 67.5            |  | 6      | 10.7 ***    |  | 6      | 588                 |
| FAIRYTALE    | 2r | 24     | 44.1 ***              |  | 24     | 67.2 *          |  | 24     | 11.1 ***    |  | 24     | 579 o               |
| CONCHITA     | 2r | 20     | 52.0 ***              |  | 20     | 67.6            |  | 20     | 11.5        |  | 20     | 563                 |
| COLUMBUS     | 2r | 14     | 48.3                  |  | 14     | 67.6            |  | 14     | 11.0 **     |  | 14     | 571                 |
| BARKE        | 2r | 10     | 50.1 *                |  | 10     | 69.1 o          |  | 10     | 12.4 ***    |  | 10     | 568                 |
| ANNABELL     | 2r | 77     | 43.7 ***              |  | 77     | 66.2 ***        |  | 77     | 11.5        |  | 77     | 542 o               |
| CRUISER      | 2r | 17     | 47.3                  |  | 17     | 67.0 *          |  | 17     | 12.0 **     |  | 17     | 541                 |
| SUNSHINE     | 2r | 18     | 50.4 ***              |  | 18     | 68.1            |  | 18     | 12.0 **     |  | 18     | 583 o               |

## Ohra, 2004-2011, Viralliset kokeet

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike                  |    | kpl    | Tjp<br>g              |     | kpl    | Hlp<br>kg       |     | kpl    | Valk.-<br>% |     | kpl    | Valk.sato<br>kg/ha  |
|-------------------------|----|--------|-----------------------|-----|--------|-----------------|-----|--------|-------------|-----|--------|---------------------|
| Variety                 |    | trials | 1000 seed<br>weight g |     | trials | HI weight<br>kg |     | trials | Prot.-<br>% |     | trials | Prot.yield<br>kg/ha |
| EVERGREEN (PF 15020-56) | 2r | 7      | 50.0                  | o   | 7      | 68.0            |     | 7      | 11.3        |     | 7      | 570                 |
| OVERTURE (NSL07-8120A)  | 2r | 7      | 48.5                  |     | 7      | 65.8            | *** | 7      | 10.7        | *** | 7      | 568                 |
| JB MALTASIA             | 2r | 22     | 47.1                  | *   | 22     | 68.4            |     | 22     | 12.0        | *** | 22     | 562                 |
| GRACE                   | 2r | 18     | 50.7                  | *** | 18     | 69.5            | **  | 18     | 11.7        |     | 18     | 615 ***             |
| AMBER                   | 2r | 22     | 49.1                  |     | 22     | 67.9            |     | 22     | 11.5        |     | 22     | 555                 |
| BEATRIX                 | 2r | 20     | 51.2                  | *** | 20     | 66.7            | **  | 20     | 11.0        | *** | 20     | 546                 |
| NORD 08/2530            | 2r | 5      | 50.8                  | *   | 5      | 66.2            | *   | 5      | 10.9        | *   | 5      | 560                 |
| ALINA                   | 2r | 10     | 44.6                  | *** | 10     | 68.4            |     | 10     | 12.2        | *** | 10     | 533                 |
| TOLAR                   | 2r | 5      | 48.1                  |     | 5      | 67.3            |     | 5      | 12.7        | *** | 5      | 566                 |
| TREKKER                 | 2r | 7      | 50.1                  | *   | 7      | 68.0            |     | 7      | 10.8        | *** | 7      | 598 *               |
| POSADA                  | 2r | 18     | 51.6                  | *** | 18     | 67.4            |     | 18     | 11.2        | *   | 18     | 577                 |
| SYN 409-221             | 2r | 7      | 50.8                  | **  | 7      | 65.6            | *** | 7      | 11.5        |     | 7      | 587                 |
| GILDER                  | 2r | 7      | 49.1                  |     | 7      | 69.4            | o   | 7      | 11.0        | *   | 7      | 556                 |
| SHANNON                 | 2r | 15     | 54.1                  | *** | 15     | 66.7            | **  | 15     | 11.4        |     | 15     | 586 o               |
| KWS BAMBINA             | 2r | 14     | 51.1                  | *** | 14     | 67.8            |     | 14     | 11.7        |     | 14     | 575                 |
| TOCADA                  | 2r | 36     | 52.8                  | *** | 36     | 66.6            | *** | 36     | 11.3        | o   | 36     | 570                 |
| OPTIMA                  | 2r | 5      | 44.4                  | *** | 5      | 66.5            | *   | 5      | 11.8        |     | 5      | 483 ***             |
| PROPINO                 | 2r | 18     | 53.2                  | *** | 18     | 66.5            | *** | 18     | 11.4        |     | 18     | 572                 |
| CROPTON                 | 2r | 14     | 50.5                  | **  | 14     | 68.8            |     | 14     | 11.5        |     | 14     | 580                 |
| SE 208/08               | 2r | 2      | 53.1                  | **  | 2      | 70.2            | o   | 2      | 11.7        |     | 2      | 613 o               |
| JUSTINA                 | 2r | 29     | 50.5                  | *** | 29     | 67.7            |     | 29     | 11.3        | o   | 29     | 572                 |
| STRG 750/09             | 2r | 3      | 47.7                  |     | 3      | 66.9            |     | 3      | 11.4        |     | 3      | 541                 |
| SYN 408-197             | 2r | 7      | 53.0                  | *** | 7      | 67.8            |     | 7      | 11.3        |     | 7      | 632 ***             |
| SCRABBLE                | 2r | 14     | 54.2                  | *** | 14     | 68.1            |     | 14     | 12.2        | *** | 14     | 630 ***             |
| NORD 09/2421 (GS 2563)  | 2r | 3      | 53.6                  | *** | 3      | 67.8            |     | 3      | 11.6        |     | 3      | 620 *               |
| NFC TIPPLE              | 2r | 26     | 53.1                  | *** | 26     | 67.0            | *   | 26     | 10.8        | *** | 26     | 540                 |
| PUBLICAN                | 2r | 22     | 51.1                  | *** | 22     | 67.8            |     | 22     | 11.4        |     | 22     | 561                 |
| QUENCH                  | 2r | 22     | 48.7                  |     | 22     | 67.4            |     | 22     | 11.2        | *   | 22     | 568                 |

## Ohra, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    |       | kpl    | Vyöhyke I<br>Sato<br>kg/ha | Suhde-<br>luku |     | kpl    | Vyöhyke II<br>Sato<br>kg/ha | Suhde- |     | kpl    | Vyöhyke III<br>Sato<br>kg/ha | Suhde-<br>luku |     |
|-----------|-------|--------|----------------------------|----------------|-----|--------|-----------------------------|--------|-----|--------|------------------------------|----------------|-----|
| Variety   |       | trials | Zone I<br>Yield<br>kg/ha   | rel.           |     | trials | Zone II<br>Yield<br>kg/ha   | rel.   |     | trials | Zone III<br>Yield<br>kg/ha   | rel.           |     |
| HARBINGER | 2r =C | 13     | 5491                       | 100            |     | 7      | 6127                        | 100    |     | 4      | 5088                         | 100            |     |
| ARTTURI   | 6r    | 1      | 4846                       | 88             | o   | 3      | 5354                        | 87     | *   | 3      | 5195                         | 102            |     |
| VOITTO    | 6r    | 3      | 4489                       | 82             | *** | 8      | 5580                        | 91     | *   | 9      | 4743                         | 93             |     |
| ROLFI     | 6r    | 20     | 4581                       | 83             | *** | 25     | 5529                        | 90     | **  | 38     | 4857                         | 95             |     |
| PILVI     | 6r    | 3      | 4480                       | 82             | *** | 8      | 5313                        | 87     | **  | 9      | 4781                         | 94             |     |
| AUKUSTI   | 6r    | 2      | 5111                       | 93             |     | 6      | 6299                        | 103    |     | 8      | 5732                         | 113            | **  |
| WOLMARI   | 6r    | 2      | 4730                       | 86             | **  | 6      | 6490                        | 106    |     | 8      | 5669                         | 111            | *   |
| TIRIL     | 6r    | 2      | 4893                       | 89             | *   | 10     | 5847                        | 95     |     | 14     | 5059                         | 99             |     |
| BOR 07533 | 6r    | 2      | 5176                       | 94             |     | 4      | 6292                        | 103    |     | 8      | 5369                         | 106            |     |
| GAUTE     | 6r    | 2      | 5287                       | 96             |     | 1      | 6590                        | 108    |     | 3      | 5341                         | 105            |     |
| ALTTI     | 6r    | 2      | 4783                       | 87             | *   | 6      | 6218                        | 101    |     | 11     | 5357                         | 105            |     |
| TRYM      | 6r    | 2      | 5456                       | 99             |     | 4      | 5891                        | 96     |     | 8      | 5826                         | 115            | **  |
| OLAVI     | 6r    | 3      | 4812                       | 88             | **  | 9      | 5521                        | 90     | *   | 13     | 5149                         | 101            |     |
| POLARTOP  | 6r    | 3      | 4403                       | 80             | *** | 5      | 5402                        | 88     | *   | 4      | 5169                         | 102            |     |
| JYVÄ      | 6r    | 1      | 4683                       | 85             | *   | 6      | 5897                        | 96     |     | 7      | 5007                         | 98             |     |
| VILDE     | 6r    | 8      | 4818                       | 88             | *** | 12     | 5683                        | 93     | *   | 21     | 5655                         | 111            | **  |
| ERKKI     | 6r    | 1      | 5320                       | 97             |     | 6      | 5662                        | 92     | o   | 5      | 5278                         | 104            |     |
| BRAGE     | 6r    | 3      | 5813                       | 106            |     | 5      | 6630                        | 108    | o   | 8      | 5702                         | 112            | *   |
| EINAR     | 6r    | 2      | 5205                       | 95             |     | 11     | 6431                        | 105    |     | 15     | 5531                         | 109            | *   |
| EERIK     | 6r    | 2      | 4857                       | 88             | *   | 5      | 5943                        | 97     |     | 8      | 5468                         | 107            |     |
| ELMERI    | 6r    | 2      | 5392                       | 98             |     | 8      | 6941                        | 113    | **  | 13     | 5489                         | 108            | o   |
| BOR 09707 | 6r    | 1      | 5238                       | 95             |     | 2      | 5957                        | 97     |     | 4      | 5878                         | 116            | **  |
| KUNNARI   | 6r    | 16     | 5049                       | 92             | **  | 19     | 5702                        | 93     | *   | 28     | 5461                         | 107            | o   |
| EDEL      | 6r    | 5      | 5368                       | 98             |     | 4      | 5752                        | 94     |     | 9      | 5451                         | 107            |     |
| SAANA     | 2r    | 6      | 4638                       | 84             | *** | 8      | 5135                        | 84     | *** | 9      | 4507                         | 89             | *   |
| EDVIN     | 6r    | 2      | 5497                       | 100            |     | 8      | 6660                        | 109    | *   | 12     | 5656                         | 111            | *   |
| RAGNA     | 6r    | 2      | 5191                       | 95             |     | 4      | 6642                        | 108    | o   | 8      | 6054                         | 119            | *** |



## Ohra, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike       |    | kpl    | Vyöhyke I<br>Sato<br>kg/ha | Suhde-<br>luku |  | kpl    | Vyöhyke II<br>Sato<br>kg/ha | Suhde- |  | kpl    | Vyöhyke III<br>Sato<br>kg/ha | Suhde-<br>luku |
|--------------|----|--------|----------------------------|----------------|--|--------|-----------------------------|--------|--|--------|------------------------------|----------------|
| Variety      |    | trials | Zone I<br>Yield<br>kg/ha   | rel.           |  | trials | Zone II<br>Yield<br>kg/ha   | rel.   |  | trials | Zone III<br>Yield<br>kg/ha   | rel.           |
| BOR 09704    | 6r | 1      | 5559                       | 101            |  | 2      | 6873                        | 112 *  |  | 4      | 5502                         | 108            |
| SCARLETT     | 2r | 37     | 5117                       | 93 ***         |  | 25     | 5437                        | 89 *** |  | 22     | 4797                         | 94             |
| TORIA        | 6r | 3      | 5544                       | 101            |  | 6      | 6722                        | 110 *  |  | 12     | 6220                         | 122 ***        |
| MINTTU       | 2r | 7      | 5407                       | 98             |  | 6      | 5792                        | 95     |  | 6      | 5416                         | 106            |
| MARGRET      | 2r | 6      | 5095                       | 93 *           |  | 5      | 5412                        | 88 *   |  | 2      | 4706                         | 93             |
| AURIGA       | 2r | 5      | 4855                       | 88 ***         |  | 5      | 5394                        | 88 **  |  | 3      | 4668                         | 92             |
| TOLKIEN      | 2r | 9      | 5457                       | 99             |  | 5      | 5850                        | 95     |  | 3      | 5378                         | 106            |
| ELISETA      | 2r | 12     | 5569                       | 101            |  | 6      | 5803                        | 95     |  | 4      | 4977                         | 98             |
| SW MITJA     | 2r | 8      | 5978                       | 109 **         |  | 4      | 6335                        | 103    |  | 3      | 5801                         | 114 *          |
| RAMBLER      | 2r | 13     | 5341                       | 97             |  | 7      | 6075                        | 99     |  | 4      | 5301                         | 104            |
| BRAEMAR      | 2r | 12     | 5051                       | 92 **          |  | 8      | 5515                        | 90 *   |  | 4      | 4636                         | 91 o           |
| MARTHE       | 2r | 15     | 5446                       | 99             |  | 8      | 5771                        | 94     |  | 7      | 4990                         | 98             |
| XANADU       | 2r | 14     | 5146                       | 94 *           |  | 7      | 5956                        | 97     |  | 6      | 4906                         | 96             |
| STRG 752/09  | 2r | 2      | 5612                       | 102            |  |        |                             |        |  |        |                              |                |
| PRESTIGE     | 2r | 5      | 5007                       | 91 **          |  | 3      | 5281                        | 86 **  |  | 2      | 4774                         | 94             |
| IRON         | 2r | 12     | 6173                       | 112 ***        |  | 6      | 6553                        | 107 o  |  | 4      | 5897                         | 116 **         |
| MAAREN       | 2r | 10     | 5251                       | 96             |  | 5      | 5290                        | 86 **  |  | 5      | 5088                         | 100            |
| INGMAR       | 2r | 12     | 5449                       | 99             |  | 7      | 6052                        | 99     |  | 4      | 5198                         | 102            |
| STREIF       | 2r | 14     | 5823                       | 106 *          |  | 7      | 6595                        | 108 o  |  | 5      | 5590                         | 110 *          |
| NORD 08/2413 | 2r | 4      | 6285                       | 114 ***        |  | 1      | 6572                        | 107    |  | 1      | 5401                         | 106            |
| FAIRYTALE    | 2r | 13     | 6028                       | 110 ***        |  | 7      | 6335                        | 103    |  | 4      | 5540                         | 109 o          |
| CONCHITA     | 2r | 12     | 5648                       | 103            |  | 5      | 6151                        | 100    |  | 3      | 4993                         | 98             |
| COLUMBUS     | 2r | 8      | 5961                       | 109 **         |  | 4      | 6310                        | 103    |  | 3      | 5020                         | 99             |
| BARKE        | 2r | 4      | 5119                       | 93 o           |  | 4      | 5849                        | 95     |  | 2      | 4983                         | 98             |
| ANNABELL     | 2r | 35     | 5473                       | 100            |  | 24     | 5650                        | 92 *   |  | 19     | 5184                         | 102            |
| CRUISER      | 2r | 8      | 5094                       | 93 *           |  | 6      | 5502                        | 90 *   |  | 3      | 5026                         | 99             |
| SUNSHINE     | 2r | 10     | 5603                       | 102            |  | 5      | 5994                        | 98     |  | 4      | 5122                         | 101            |

## Ohra, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike                  |    | kpl    | Vyöhyke I<br>Sato<br>kg/ha | Suhde-<br>luku |  | kpl    | Vyöhyke II<br>Sato<br>kg/ha | Suhde-<br>luku |  | kpl    | Vyöhyke III<br>Sato<br>kg/ha | Suhde-<br>luku |
|-------------------------|----|--------|----------------------------|----------------|--|--------|-----------------------------|----------------|--|--------|------------------------------|----------------|
| Variety                 |    | trials | Zone I<br>Yield<br>kg/ha   | rel.           |  | trials | Zone II<br>Yield<br>kg/ha   | rel.           |  | trials | Zone III<br>Yield<br>kg/ha   | rel.           |
| EVERGREEN (PF 15020-56) | 2r | 4      | 5611                       | 102            |  | 2      | 6385                        | 104            |  | 2      | 5027                         | 99             |
| OVERTURE (NSL07-8120A)  | 2r | 4      | 6285                       | 114 ***        |  | 2      | 6270                        | 102            |  | 2      | 4813                         | 95             |
| JB MALTASIA             | 2r | 12     | 5382                       | 98             |  | 6      | 6032                        | 98             |  | 4      | 4920                         | 97             |
| GRACE                   | 2r | 10     | 6020                       | 110 ***        |  | 5      | 6445                        | 105            |  | 4      | 5595                         | 110 o          |
| AMBER                   | 2r | 12     | 5503                       | 100            |  | 6      | 6063                        | 99             |  | 4      | 5193                         | 102            |
| BEATRIX                 | 2r | 10     | 5684                       | 104            |  | 6      | 5847                        | 95             |  | 4      | 5548                         | 109 o          |
| NORD 08/2530            | 2r | 3      | 6157                       | 112 **         |  | 1      | 5800                        | 95             |  | 1      | 4697                         | 92             |
| ALINA                   | 2r | 4      | 5011                       | 91 *           |  | 4      | 5308                        | 87 **          |  | 2      | 4726                         | 93             |
| TOLAR                   | 2r | 2      | 5139                       | 94             |  | 2      | 5451                        | 89 o           |  | 1      | 4938                         | 97             |
| TREKKER                 | 2r | 4      | 6340                       | 115 ***        |  | 2      | 6822                        | 111 o          |  | 2      | 5417                         | 106            |
| POSADA                  | 2r | 10     | 5909                       | 108 **         |  | 5      | 6239                        | 102            |  | 4      | 5378                         | 106            |
| SYN 409-221             | 2r | 4      | 6112                       | 111 **         |  | 2      | 5949                        | 97             |  | 2      | 5038                         | 99             |
| GILDER                  | 2r | 4      | 5914                       | 108 *          |  | 2      | 5968                        | 97             |  | 2      | 5084                         | 100            |
| SHANNON                 | 2r | 9      | 5892                       | 107 **         |  | 4      | 6051                        | 99             |  | 2      | 5755                         | 113 *          |
| KWS BAMBINA             | 2r | 8      | 5485                       | 100            |  | 4      | 6277                        | 102            |  | 3      | 5277                         | 104            |
| TOCADA                  | 2r | 17     | 5610                       | 102            |  | 11     | 6244                        | 102            |  | 8      | 5796                         | 114 **         |
| OPTIMA                  | 2r | 2      | 4148                       | 76 ***         |  | 2      | 5142                        | 84 **          |  | 1      | 5258                         | 103            |
| PROPINO                 | 2r | 10     | 5728                       | 104            |  | 5      | 6172                        | 101            |  | 4      | 5270                         | 104            |
| CROPTON                 | 2r | 8      | 5705                       | 104            |  | 4      | 6193                        | 101            |  | 2      | 5615                         | 110            |
| SE 208/08               | 2r | 1      | 5745                       | 105            |  |        |                             |                |  | 1      | 5733                         | 113            |
| JUSTINA                 | 2r | 9      | 5583                       | 102            |  | 9      | 6323                        | 103            |  | 10     | 5645                         | 111 *          |
| STRG 750/09             | 2r | 2      | 5344                       | 97             |  |        |                             |                |  | 2      | 4902                         | 96             |
| SYN 408-197             | 2r | 4      | 6469                       | 118 ***        |  | 2      | 6558                        | 107            |  | 2      | 5818                         | 114 *          |
| SCRABBLE                | 2r | 8      | 5960                       | 109 **         |  | 4      | 6256                        | 102            |  | 3      | 5373                         | 106            |
| NORD 09/2421 (GS 2563)  | 2r | 2      | 6155                       | 112 *          |  |        |                             |                |  | 2      | 5422                         | 107            |
| NFC TIPPLE              | 2r | 13     | 5712                       | 104            |  | 8      | 6069                        | 99             |  | 5      | 5434                         | 107            |
| PUBLICAN                | 2r | 12     | 5645                       | 103            |  | 6      | 6056                        | 99             |  | 4      | 5140                         | 101            |
| QUENCH                  | 2r | 12     | 5807                       | 106 *          |  | 6      | 6331                        | 103            |  | 4      | 5244                         | 103            |

## Ohra, 2004-2011, Viralliset kokeet: Luokittelu vuosittain

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials: Classification according to year

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    |       | kpl    | Vuosi 2008<br>kg/ha | Suhde-<br>luku |     | kpl    | Vuosi 2009<br>kg/ha | Suhde-<br>luku |     | kpl    | Vuosi 2010<br>kg/ha | Suhde-<br>luku |     | kpl    | Vuosi 2011<br>kg/ha | Suhde-<br>luku |
|-----------|-------|--------|---------------------|----------------|-----|--------|---------------------|----------------|-----|--------|---------------------|----------------|-----|--------|---------------------|----------------|
| Variety   |       | trials | Year 2008<br>kg/ha  | rel.           |     | trials | Year 2009<br>kg/ha  | rel.           |     | trials | Year 2010<br>kg/ha  | rel.           |     | trials | Year 2011<br>kg/ha  | rel.           |
| HARBINGER | 2r =C | 7      | 5667                | 100            |     | 4      | 6189                | 100            |     | 4      | 5126                | 100            |     | 2      | 4986                | 100            |
| ARTTURI   | 6r    | 3      | 5222                | 92             |     |        |                     |                |     |        |                     |                |     |        |                     |                |
| VOITTO    | 6r    | 3      | 5368                | 95             |     | 4      | 5837                | 94             |     | 4      | 4684                | 91             | o   |        |                     |                |
| ROLFI     | 6r    | 11     | 5203                | 92             | *   | 12     | 5643                | 91             | **  | 12     | 4885                | 95             |     | 12     | 4569                | 92             |
| PILVI     | 6r    | 4      | 5003                | 88             | *   | 4      | 5267                | 85             | *** |        |                     |                |     |        |                     |                |
| AUKUSTI   | 6r    | 8      | 5972                | 105            |     | 9      | 6356                | 103            |     | 3      | 5083                | 99             |     | 2      | 5545                | 111            |
| WOLMARI   | 6r    | 8      | 5955                | 105            |     | 9      | 6430                | 104            |     | 3      | 5158                | 101            |     | 2      | 5524                | 111            |
| TIRIL     | 6r    | 4      | 5758                | 102            |     | 4      | 5948                | 96             |     | 4      | 4708                | 92             | o   |        |                     |                |
| BOR 07533 | 6r    |        |                     |                |     |        |                     |                |     | 9      | 5198                | 101            |     | 9      | 5369                | 108            |
| GAUTE     | 6r    |        |                     |                |     |        |                     |                |     |        |                     |                |     |        |                     |                |
| ALTTI     | 6r    | 8      | 5631                | 99             |     | 5      | 6258                | 101            |     | 3      | 5481                | 107            |     |        |                     |                |
| TRYM      | 6r    |        |                     |                |     |        |                     |                |     | 9      | 5387                | 105            |     | 9      | 5484                | 110            |
| OLAVI     | 6r    | 3      | 5094                | 90             | o   | 3      | 5824                | 94             |     |        |                     |                |     |        |                     |                |
| POLARTOP  | 6r    | 3      | 5089                | 90             | o   |        |                     |                |     |        |                     |                |     |        |                     |                |
| JYVÄ      | 6r    | 4      | 5073                | 90             | *   |        |                     |                |     |        |                     |                |     |        |                     |                |
| VILDE     | 6r    | 3      | 6085                | 107            |     | 3      | 6174                | 100            |     | 12     | 4756                | 93             | *   | 12     | 5119                | 103            |
| ERKKI     | 6r    | 3      | 5232                | 92             |     |        |                     |                |     |        |                     |                |     |        |                     |                |
| BRAGE     | 6r    | 8      | 6115                | 108            | o   | 9      | 6607                | 107            | o   | 4      | 5863                | 114            | **  |        |                     |                |
| EINAR     | 6r    | 3      | 6111                | 108            |     | 3      | 6671                | 108            | o   | 3      | 5350                | 104            |     | 2      | 5533                | 111            |
| EERIK     | 6r    | 8      | 5578                | 98             |     | 3      | 6276                | 101            |     |        |                     |                |     |        |                     |                |
| ELMERI    | 6r    | 3      | 5861                | 103            |     | 4      | 6946                | 112            | **  | 3      | 5496                | 107            |     | 2      | 6469                | 130 **         |
| BOR 09707 | 6r    |        |                     |                |     |        |                     |                |     |        |                     |                |     | 9      | 5546                | 111            |
| KUNNARI   | 6r    | 11     | 5422                | 96             |     | 12     | 6224                | 101            |     |        |                     |                |     |        |                     |                |
| EDEL      | 6r    | 1      | 5921                | 104            |     | 1      | 6144                | 99             |     | 1      | 6475                | 126            | *** | 1      | 4981                | 100            |
| SAANA     | 2r    | 3      | 4599                | 81             | *** |        |                     |                |     |        |                     |                |     |        |                     |                |
| EDVIN     | 6r    | 3      | 5337                | 94             |     | 3      | 6812                | 110            | *   | 3      | 5464                | 107            |     | 2      | 5502                | 110            |
| RAGNA     | 6r    |        |                     |                |     |        |                     |                |     | 9      | 5452                | 106            |     | 9      | 5815                | 117 *          |

**Ohra, 2004-2011, Viralliset kokeet: Luokittelu vuosittain**Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials: Classification according to year

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike       | kpl    | Vuosi 2008<br>kg/ha | Suhde-<br>luku |       | kpl    | Vuosi 2009<br>kg/ha | Suhde-<br>luku |  | kpl    | Vuosi 2010<br>kg/ha | Suhde-<br>luku |    | kpl    | Vuosi 2011<br>kg/ha | Suhde-<br>luku |
|--------------|--------|---------------------|----------------|-------|--------|---------------------|----------------|--|--------|---------------------|----------------|----|--------|---------------------|----------------|
| Variety      | trials | Year 2008<br>kg/ha  | rel.           |       | trials | Year 2009<br>kg/ha  | rel.           |  | trials | Year 2010<br>kg/ha  | rel.           |    | trials | Year 2011<br>kg/ha  | rel.           |
| BOR 09704    | 6r     |                     |                |       |        |                     |                |  |        |                     |                |    | 9      | 5618                | 113 o          |
| SCARLETT     | 2r     | 10                  | 5127           | 90 ** | 10     | 5867                | 95             |  | 9      | 4741                | 92 *           | 11 | 4375   | 88 o                |                |
| TORIA        | 6r     |                     |                |       | 9      | 6826                | 110 **         |  | 9      | 5621                | 110 *          | 9  | 6328   | 127 ***             |                |
| MINTTU       | 2r     | 3                   | 5716           | 101   | 4      | 6269                | 101            |  |        |                     |                |    |        |                     |                |
| MARGRET      | 2r     |                     |                |       |        |                     |                |  |        |                     |                |    |        |                     |                |
| AURIGA       | 2r     |                     |                |       |        |                     |                |  |        |                     |                |    |        |                     |                |
| TOLKIEN      | 2r     | 3                   | 5893           | 104   |        |                     |                |  |        |                     |                |    |        |                     |                |
| ELISETA      | 2r     | 7                   | 5621           | 99    | 4      | 6090                | 98             |  | 4      | 5002                | 98             |    |        |                     |                |
| SW MITJA     | 2r     |                     |                |       |        |                     |                |  | 7      | 5430                | 106            | 8  | 5574   | 112                 |                |
| RAMBLER      | 2r     | 7                   | 5728           | 101   | 4      | 5914                | 96             |  | 4      | 4983                | 97             | 2  | 4786   | 96                  |                |
| BRAEMAR      | 2r     |                     |                |       |        |                     |                |  |        |                     |                |    |        |                     |                |
| MARTHE       | 2r     | 4                   | 5689           | 100   | 4      | 6152                | 99             |  | 4      | 4948                | 97             | 4  | 4532   | 91                  |                |
| XANADU       | 2r     | 4                   | 5619           | 99    | 3      | 5567                | 90 *           |  |        |                     |                |    |        |                     |                |
| STRG 752/09  | 2r     |                     |                |       |        |                     |                |  |        |                     |                |    | 2      | 5103                | 102            |
| PRESTIGE     | 2r     | 2                   | 5020           | 89 o  |        |                     |                |  |        |                     |                |    |        |                     |                |
| IRON         | 2r     |                     |                |       | 7      | 6667                | 108 *          |  | 7      | 5628                | 110 **         | 8  | 5883   | 118 *               |                |
| MAAREN       | 2r     | 3                   | 5781           | 102   |        |                     |                |  |        |                     |                |    |        |                     |                |
| INGMAR       | 2r     | 4                   | 5345           | 94    |        |                     |                |  |        |                     |                |    |        |                     |                |
| STREIF       | 2r     | 7                   | 6211           | 110 * | 4      | 6413                | 104            |  | 4      | 5313                | 104            | 4  | 5861   | 118 *               |                |
| NORD 08/2413 | 2r     |                     |                |       |        |                     |                |  | 2      | 5801                | 113 **         | 4  | 5627   | 113                 |                |
| FAIRYTALE    | 2r     | 7                   | 6049           | 107 o | 4      | 6823                | 110 **         |  | 4      | 5496                | 107 o          | 2  | 5332   | 107                 |                |
| CONCHITA     | 2r     | 7                   | 5815           | 103   | 4      | 6261                | 101            |  |        |                     |                |    |        |                     |                |
| COLUMBUS     | 2r     |                     |                |       |        |                     |                |  | 7      | 5524                | 108 *          | 8  | 5169   | 104                 |                |
| BARKE        | 2r     |                     |                |       | 5      | 6131                | 99             |  | 5      | 4611                | 90 *           |    |        |                     |                |
| ANNABELL     | 2r     | 10                  | 5349           | 94    | 10     | 6338                | 102            |  | 9      | 5099                | 99             | 11 | 4702   | 94                  |                |
| CRUISER      | 2r     |                     |                |       |        |                     |                |  |        |                     |                |    |        |                     |                |
| SUNSHINE     | 2r     |                     |                |       | 7      | 6133                | 99             |  | 7      | 5157                | 101            | 5  | 5127   | 103                 |                |

## Ohra, 2004-2011, Viralliset kokeet: Luokittelu vuosittain

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials: Classification according to year

Estimoidut lajiokeskiarvot, Estimated variety means

| Lajike                  | kpl    | Vuosi 2008<br>kg/ha | Suhde-<br>luku | kpl    | Vuosi 2009<br>kg/ha | Suhde-<br>luku | kpl    | Vuosi 2010<br>kg/ha | Suhde-<br>luku | kpl    | Vuosi 2011<br>kg/ha | Suhde-<br>luku |
|-------------------------|--------|---------------------|----------------|--------|---------------------|----------------|--------|---------------------|----------------|--------|---------------------|----------------|
| Variety                 | trials | Year 2008<br>kg/ha  | rel.           | trials | Year 2009<br>kg/ha  | rel.           | trials | Year 2010<br>kg/ha  | rel.           | trials | Year 2011<br>kg/ha  | rel.           |
| EVERGREEN (PF 15020-56) | 2r     |                     |                |        |                     |                |        |                     |                | 8      | 5156                | 103            |
| OVERTURE (NSL07-8120A)  | 2r     |                     |                |        |                     |                |        |                     |                | 8      | 5411                | 109            |
| JB MALTASIA             | 2r     | 7                   | 5654           | 100    | 4                   | 6129           | 99     | 4                   | 4497           | 88 **  |                     |                |
| GRACE                   | 2r     |                     |                | 7      | 6703                | 108 *          | 7      | 5346                | 104            | 5      | 5728                | 115 o          |
| AMBER                   | 2r     |                     |                | 4      | 6175                | 100            | 4      | 5289                | 103            |        |                     |                |
| BEATRIX                 | 2r     |                     |                |        |                     |                |        |                     |                |        |                     |                |
| NORD 08/2530            | 2r     |                     |                |        |                     |                | 2      | 5604                | 109 o          | 3      | 5096                | 102            |
| ALINA                   | 2r     |                     |                |        |                     |                |        |                     |                |        |                     |                |
| TOLAR                   | 2r     |                     |                |        |                     |                |        |                     |                |        |                     |                |
| TREKKER                 | 2r     |                     |                |        |                     |                |        |                     |                | 8      | 5727                | 115 *          |
| POSADA                  | 2r     |                     |                | 7      | 6650                | 107 *          | 7      | 5344                | 104            | 5      | 5204                | 104            |
| SYN 409-221             | 2r     |                     |                |        |                     |                |        |                     |                | 8      | 5300                | 106            |
| GILDER                  | 2r     |                     |                |        |                     |                |        |                     |                | 8      | 5218                | 105            |
| SHANNON                 | 2r     |                     |                | 7      | 6343                | 102            | 7      | 5476                | 107 o          | 1      | 5633                | 113            |
| KWS BAMBINA             | 2r     |                     |                |        |                     |                | 7      | 5211                | 102            | 8      | 5047                | 101            |
| TOCADA                  | 2r     | 4                   | 5970           | 105    | 4                   | 6498           | 105    | 2                   | 5364           | 105    |                     |                |
| OPTIMA                  | 2r     |                     |                |        |                     |                |        |                     |                |        |                     |                |
| PROPINO                 | 2r     |                     |                | 7      | 6395                | 103            | 7      | 5093                | 99             | 5      | 5397                | 108            |
| CROPTON                 | 2r     |                     |                | 7      | 6348                | 103            | 7      | 5336                | 104            |        |                     |                |
| SE 208/08               | 2r     |                     |                |        |                     |                |        |                     |                | 2      | 5473                | 110            |
| JUSTINA                 | 2r     | 2                   | 5519           | 97     |                     |                |        |                     |                |        |                     |                |
| STRG 750/09             | 2r     |                     |                |        |                     |                |        |                     |                | 4      | 4858                | 97             |
| SYN 408-197             | 2r     |                     |                |        |                     |                |        |                     |                | 8      | 5826                | 117 *          |
| SCRABBLE                | 2r     |                     |                |        |                     |                | 7      | 5110                | 100            | 8      | 5636                | 113 o          |
| NORD 09/2421 (GS 2563)  | 2r     |                     |                |        |                     |                |        |                     |                | 4      | 5523                | 111            |
| NFC TIPPLE              | 2r     | 4                   | 5902           | 104    | 4                   | 6578           | 106 o  |                     |                |        |                     |                |
| PUBLICAN                | 2r     | 4                   | 5455           | 96     | 4                   | 6136           | 99     |                     |                |        |                     |                |
| QUENCH                  | 2r     | 4                   | 5780           | 102    | 4                   | 6361           | 103    |                     |                |        |                     |                |

## Ohra, 2004-2011, Viralliset kokeet: Luokittelu maalajeittain

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials: Classification according to soil types

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    | kpl    | Karkeat          | Sato- | Suhde- | kpl    | Savimaat         | Sato- | Suhde- | kpl    | Multamaat        | Sato- | Suhde- | kpl    | Hapan maa        | Sato- | Suhde- |
|-----------|--------|------------------|-------|--------|--------|------------------|-------|--------|--------|------------------|-------|--------|--------|------------------|-------|--------|
| Variety   | trials | kiv. maat        | ero   | luku   | trials | kg/ha            | ero   | luku   | trials | kg/ha            | ero   | luku   | trials | kg/ha            | ero   | luku   |
|           |        | Coarse mineral   |       |        |        | Clay             |       |        |        | Mould            |       |        |        | Low pH soil      |       |        |
|           |        | kg/ha            | Yield | rel.   |        |                  | Yield | rel.   |        |                  | Yield | rel.   |        |                  | Yield | rel.   |
|           |        | kg/ha difference |       |        |        | kg/ha difference |       |        |        | kg/ha difference |       |        |        | kg/ha difference |       |        |
| HARBINGER | 2r=C   | 2                | 5977  | 0      | 100    | 22               | 5299  | 0      | 100    |                  |       |        | 3      | 2512             | 0     | 100    |
| ARTTURI   | 6r     | 4                | 5215  | -761   | 87 *   | 5                | 5052  | -246   | 95     |                  |       |        |        |                  |       |        |
| VOITTO    | 6r     | 10               | 5317  | -659   | 89 *   | 13               | 4611  | -688   | 87 *** |                  |       |        | 3      | 2849             | 337   | 113    |
| ROLFI     | 6r     | 33               | 5279  | -697   | 88 *   | 50               | 4643  | -655   | 88 *** |                  |       |        | 6      | 3207             | 694   | 128 o  |
| PILVI     | 6r     | 16               | 5150  | -826   | 86 *   | 10               | 4536  | -762   | 86 *** |                  |       |        | 3      | 2779             | 266   | 111    |
| AUKUSTI   | 6r     | 10               | 5845  | -131   | 98     | 5                | 5413  | 114    | 102    |                  |       |        | 3      | 3200             | 688   | 127    |
| WOLMARI   | 6r     | 10               | 5952  | -24    | 100    | 5                | 5135  | -163   | 97     |                  |       |        | 3      | 3200             | 688   | 127    |
| TIRIL     | 6r     | 21               | 5563  | -413   | 93     | 13               | 4924  | -374   | 93 **  |                  |       |        | 3      | 3683             | 1171  | 147 *  |
| BOR 07533 | 6r     | 6                | 5829  | -147   | 98     | 7                | 5468  | 169    | 103    |                  |       |        | 1      | 3485             | 972   | 139    |
| GAUTE     | 6r     | 3                | 5711  | -265   | 96     | 4                | 5184  | -115   | 98     |                  |       |        |        |                  |       |        |
| ALTTI     | 6r     | 11               | 5755  | -221   | 96     | 8                | 5123  | -175   | 97     |                  |       |        | 3      | 2360             | -152  | 94     |
| TRYM      | 6r     | 6                | 5996  | 19     | 100    | 7                | 5761  | 462    | 109 ** |                  |       |        | 1      | 4362             | 1849  | 174 ** |
| OLAVI     | 6r     | 12               | 5347  | -630   | 89 o   | 12               | 4894  | -405   | 92 **  |                  |       |        | 3      | 2789             | 277   | 111    |
| POLARTOP  | 6r     | 4                | 5389  | -587   | 90     | 8                | 4782  | -517   | 90 **  |                  |       |        | 2      | 2442             | -70   | 97     |
| JYVÄ      | 6r     | 6                | 5349  | -627   | 89 o   | 8                | 4864  | -435   | 92 **  |                  |       |        |        |                  |       |        |
| VILDE     | 6r     | 19               | 5628  | -348   | 94     | 24               | 5283  | -15    | 100    |                  |       |        | 4      | 3454             | 942   | 137 *  |
| ERKKI     | 6r     | 5                | 5422  | -554   | 91     | 7                | 5187  | -112   | 98     |                  |       |        |        |                  |       |        |
| BRAGE     | 6r     | 9                | 6094  | 117    | 102    | 6                | 5794  | 495    | 109 ** |                  |       |        | 3      | 3367             | 854   | 134 *  |
| EINAR     | 6r     | 13               | 5894  | -82    | 99     | 13               | 5465  | 166    | 103    |                  |       |        | 4      | 3580             | 1068  | 143 ** |
| EERI      | 6r     | 9                | 5699  | -277   | 95     | 7                | 5250  | -48    | 99     |                  |       |        | 2      | 2493             | -18   | 99     |
| ELMERI    | 6r     | 11               | 5679  | -297   | 95     | 11               | 5405  | 105    | 102    |                  |       |        | 1      | 4060             | 1547  | 162 *  |
| BOR 09707 | 6r     | 4                | 6189  | 212    | 104    | 3                | 5713  | 413    | 108 o  |                  |       |        |        |                  |       |        |
| KUNNARI   | 6r     | 27               | 5628  | -348   | 94     | 37               | 5159  | -140   | 97     |                  |       |        | 5      | 3346             | 834   | 133 *  |
| EDEL      | 6r     | 5                | 5239  | -737   | 88 *   | 13               | 5315  | 15     | 100    |                  |       |        | 1      | 2950             | 437   | 117    |
| SAANA     | 2r     | 4                | 4708  | -1268  | 79 *** | 17               | 4561  | -738   | 86 *** |                  |       |        | 1      | 2575             | 62    | 102    |
| EDVIN     | 6r     | 11               | 5950  | -26    | 100    | 11               | 5537  | 237    | 104    |                  |       |        | 3      | 1867             | -645  | 74     |
| RAGNA     | 6r     | 6                | 6115  | 138    | 102    | 7                | 5856  | 556    | 111 ** |                  |       |        | 1      | 3210             | 697   | 128    |
| BOR 09704 | 6r     | 4                | 5948  | -29    | 100    | 3                | 5682  | 382    | 107    |                  |       |        |        |                  |       |        |
| SCARLETT  | 2r     | 13               | 5306  | -670   | 89 *   | 64               | 4868  | -430   | 92 *** |                  |       |        | 6      | 1155             | -1357 | 46 *** |

# Ohra, 2004-2011, Viralliset kokeet: Luokittelu maalajeittain

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials: Classification according to soil types

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike                     |    | kpl    | Karkeat<br>kiv. maat<br>kg/ha | Sato-<br>ero | Suhde-<br>luku |  | kpl    | Savimaat<br>kg/ha | Sato-<br>ero | Suhde-<br>luku |  | kpl    | Multamaat<br>kg/ha | Sato-<br>ero | Suhde-<br>luku |  | kpl    | Hapan maa<br>kg/ha | Sato-<br>ero | Suhde-<br>luku |
|----------------------------|----|--------|-------------------------------|--------------|----------------|--|--------|-------------------|--------------|----------------|--|--------|--------------------|--------------|----------------|--|--------|--------------------|--------------|----------------|
| Variety                    |    | trials | Coarse<br>mineral             | Yield        | rel.           |  | trials | Clay              | Yield        | rel.           |  | trials | Mould              | Yield        | rel.           |  | trials | Low pH soil        | Yield        | rel.           |
|                            |    |        | kg/ha                         | difference   |                |  |        | kg/ha             | difference   |                |  |        | kg/ha              | difference   |                |  |        | kg/ha              | difference   |                |
| TORIA                      | 6r | 10     | 6525                          | 547          | 109            |  | 9      | 6106              | 807          | 115 ***        |  |        |                    |              |                |  | 2      | 4457               | 1945         | 177 ***        |
| MINTTU                     | 2r | 1      | 6192                          | 215          | 104            |  | 17     | 5258              | -40          | 99             |  |        |                    |              |                |  | 2      | 1406               | -1106        | 56 *           |
| MARGRET                    | 2r | 3      | 5051                          | -925         | 85 *           |  | 10     | 4958              | -340         | 94 *           |  |        |                    |              |                |  | 2      | 1322               | -1190        | 53 *           |
| AURIGA                     | 2r | 3      | 5284                          | -692         | 88 o           |  | 10     | 4697              | -601         | 89 ***         |  |        |                    |              |                |  | 3      | 1152               | -1359        | 46 **          |
| TOLKIEN                    | 2r | 2      | 5465                          | -512         | 91             |  | 15     | 5319              | 20           | 100            |  |        |                    |              |                |  | 2      | 1240               | -1271        | 49 *           |
| ELISETA                    | 2r | 2      | 5621                          | -355         | 94             |  | 20     | 5258              | -41          | 99             |  |        |                    |              |                |  | 3      | 1538               | -973         | 61 *           |
| SW MITJA                   | 2r | 2      | 6187                          | 210          | 104            |  | 13     | 5744              | 444          | 108 **         |  |        |                    |              |                |  | 1      | 2188               | -324         | 87             |
| RAMBLER                    | 2r | 2      | 5926                          | -50          | 99             |  | 22     | 5238              | -60          | 99             |  |        |                    |              |                |  | 3      | 1515               | -997         | 60 *           |
| BRAEMAR                    | 2r | 4      | 5202                          | -774         | 87 *           |  | 20     | 4886              | -412         | 92 ***         |  |        |                    |              |                |  | 3      | 1416               | -1095        | 56 *           |
| MARTHE                     | 2r | 2      | 5350                          | -626         | 90             |  | 28     | 5199              | -99          | 98             |  |        |                    |              |                |  | 4      | 1393               | -1118        | 55 **          |
| XANADU                     | 2r | 3      | 5831                          | -145         | 98             |  | 23     | 5022              | -276         | 95 *           |  |        |                    |              |                |  | 3      | 2428               | -83          | 97             |
| STRG 752/09                | 2r |        |                               |              |                |  | 2      | 5344              | 45           | 101            |  |        |                    |              |                |  |        |                    |              |                |
| PRESTIGE                   | 2r |        |                               |              |                |  | 10     | 4773              | -526         | 90 ***         |  |        |                    |              |                |  | 1      | 971                | -1541        | 39 *           |
| IRON                       | 2r | 3      | 6194                          | 217          | 104            |  | 19     | 5957              | 658          | 112 ***        |  |        |                    |              |                |  | 2      | 2112               | -399         | 84             |
| MAAREN                     | 2r | 2      | 4887                          | -1089        | 82 *           |  | 18     | 5064              | -235         | 96 o           |  |        |                    |              |                |  | 1      | 1156               | -1356        | 46 *           |
| INGMAR                     | 2r | 3      | 6216                          | 239          | 104            |  | 20     | 5262              | -36          | 99             |  |        |                    |              |                |  | 3      | 1005               | -1507        | 40 ***         |
| STREIF                     | 2r | 2      | 6650                          | 673          | 111 o          |  | 24     | 5679              | 379          | 107 ***        |  |        |                    |              |                |  | 4      | 2908               | 395          | 116            |
| NORD 08/2413               | 2r |        |                               |              |                |  | 6      | 5938              | 638          | 112 ***        |  |        |                    |              |                |  | 1      | 1304               | -1208        | 52 o           |
| FAIRYTALE                  | 2r | 2      | 5878                          | -98          | 98             |  | 22     | 5774              | 475          | 109 ***        |  |        |                    |              |                |  | 3      | 1704               | -808         | 68 o           |
| CONCHITA                   | 2r | 2      | 6004                          | 27           | 100            |  | 18     | 5388              | 89           | 102            |  |        |                    |              |                |  | 2      | 2210               | -302         | 88             |
| COLUMBUS                   | 2r | 2      | 5865                          | -111         | 98             |  | 13     | 5595              | 296          | 106 *          |  |        |                    |              |                |  | 1      | 1568               | -944         | 62             |
| BARKE                      | 2r | 2      | 5657                          | -319         | 95             |  | 8      | 5005              | -293         | 94 o           |  |        |                    |              |                |  |        |                    |              |                |
| ANNABELL                   | 2r | 11     | 5129                          | -848         | 86 **          |  | 61     | 5297              | -2           | 100            |  |        |                    |              |                |  | 4      | 1569               | -943         | 62 *           |
| CRUISER                    | 2r | 3      | 5388                          | -588         | 90             |  | 14     | 4963              | -336         | 94 *           |  |        |                    |              |                |  | 3      | 1494               | -1017        | 59 *           |
| SUNSHINE                   | 2r | 2      | 5623                          | -353         | 94             |  | 17     | 5353              | 53           | 101            |  |        |                    |              |                |  | 2      | 2060               | -451         | 82             |
| EVERGREEN<br>(PF 15020-56) | 2r | 1      | 6048                          | 71           | 101            |  | 7      | 5352              | 52           | 101            |  |        |                    |              |                |  |        |                    |              |                |
| OVERTURE<br>(NSL07-8120A)  | 2r | 1      | 5746                          | -230         | 96             |  | 7      | 5686              | 386          | 107 *          |  |        |                    |              |                |  |        |                    |              |                |

## Ohra, 2004-2011, Viralliset kokeet: Luokittelu maalajeittain

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials: Classification according to soil types

Estimoidut lajiokeskiarvot, Estimated variety means

| Lajike                    |    | kpl    | Karkeat<br>kiv. maat<br>kg/ha | Sato-<br>ero | Suhde-<br>luku | kpl    | Savimaat<br>kg/ha | Sato-<br>ero | Suhde-<br>luku | kpl    | Multamaat<br>kg/ha | Sato-<br>ero | Suhde-<br>luku | kpl    | Hapan maa<br>kg/ha | Sato-<br>ero | Suhde-<br>luku |
|---------------------------|----|--------|-------------------------------|--------------|----------------|--------|-------------------|--------------|----------------|--------|--------------------|--------------|----------------|--------|--------------------|--------------|----------------|
| Variety                   |    | trials | Coarse<br>mineral             | Yield        | rel.           | trials | Clay              | Yield        | rel.           | trials | Mould              | Yield        | rel.           | trials | Low pH soil        | Yield        | rel.           |
|                           |    |        | kg/ha difference              |              |                |        | kg/ha difference  |              |                |        | kg/ha difference   |              |                |        | kg/ha difference   |              |                |
| JB MALTASIA               | 2r | 2      | 6192                          | 215          | 104            | 20     | 5146              | -153         | 97             |        |                    |              |                | 3      | 1245               | -1266        | 50 **          |
| GRACE                     | 2r | 2      | 6154                          | 177          | 103            | 17     | 5780              | 480          | 109 ***        |        |                    |              |                | 2      | 1664               | -847         | 66 o           |
| AMBER                     | 2r | 2      | 5794                          | -182         | 97             | 20     | 5330              | 31           | 101            |        |                    |              |                | 3      | 1918               | -593         | 76             |
| BEATRIX                   | 2r | 3      | 5787                          | -189         | 97             | 17     | 5466              | 167          | 103            |        |                    |              |                | 1      | 1566               | -945         | 62             |
| NORD 08/2530              | 2r |        |                               |              |                | 5      | 5552              | 253          | 105            |        |                    |              |                | 1      | 2645               | 132          | 105            |
| ALINA                     | 2r | 2      | 5176                          | -800         | 87 o           | 8      | 4800              | -498         | 91 **          |        |                    |              |                | 1      | 1401               | -1111        | 56 o           |
| TOLAR                     | 2r | 1      | 5299                          | -677         | 89             | 4      | 4928              | -371         | 93 o           |        |                    |              |                |        |                    |              |                |
| TREKKER                   | 2r | 1      | 6553                          | 576          | 110            | 7      | 5932              | 633          | 112 ***        |        |                    |              |                |        |                    |              |                |
| POSADA                    | 2r | 2      | 6000                          | 23           | 100            | 17     | 5621              | 322          | 106 *          |        |                    |              |                | 2      | 1809               | -702         | 72             |
| SYN 409-221               | 2r | 1      | 5557                          | -419         | 93             | 7      | 5587              | 287          | 105 o          |        |                    |              |                |        |                    |              |                |
| GILDER                    | 2r | 1      | 5813                          | -163         | 97             | 7      | 5455              | 156          | 103            |        |                    |              |                |        |                    |              |                |
| SHANNON                   | 2r | 2      | 5832                          | -144         | 98             | 13     | 5641              | 342          | 106 *          |        |                    |              |                | 2      | 2154               | -357         | 86             |
| KWS BAMBINA               | 2r | 2      | 6206                          | 229          | 104            | 13     | 5299              | 0            | 100            |        |                    |              |                | 1      | 1004               | -1508        | 40 *           |
| TOCADA                    | 2r | 4      | 5946                          | -30          | 99             | 32     | 5593              | 293          | 106 **         |        |                    |              |                | 3      | 1658               | -853         | 66 o           |
| OPTIMA                    | 2r | 1      | 5368                          | -608         | 90             | 4      | 4340              | -958         | 82 ***         |        |                    |              |                |        |                    |              |                |
| PROPINO                   | 2r | 2      | 6202                          | 225          | 104            | 17     | 5445              | 146          | 103            |        |                    |              |                | 2      | 2121               | -390         | 84             |
| CROPTON                   | 2r | 2      | 6140                          | 163          | 103            | 12     | 5491              | 192          | 104            |        |                    |              |                | 2      | 2033               | -478         | 81             |
| SE 208/08                 | 2r |        |                               |              |                | 2      | 5721              | 421          | 108            |        |                    |              |                |        |                    |              |                |
| JUSTINA                   | 2r | 7      | 6056                          | 79           | 101            | 20     | 5585              | 285          | 105 *          |        |                    |              |                | 2      | 1628               | -884         | 65 o           |
| STRG 750/09               | 2r |        |                               |              |                | 4      | 5091              | -208         | 96             |        |                    |              |                |        |                    |              |                |
| SYN 408-197               | 2r | 1      | 6231                          | 254          | 104            | 7      | 6091              | 792          | 115 ***        |        |                    |              |                |        |                    |              |                |
| SCRABBLE                  | 2r | 2      | 5961                          | -15          | 100            | 13     | 5644              | 345          | 107 *          |        |                    |              |                | 1      | 1292               | -1220        | 51 *           |
| NORD 09/2421<br>(GS 2563) | 2r |        |                               |              |                | 4      | 5756              | 457          | 109 *          |        |                    |              |                |        |                    |              |                |
| NFC TIPPLE                | 2r | 3      | 5780                          | -196         | 97             | 23     | 5532              | 232          | 104 *          |        |                    |              |                | 3      | 1708               | -804         | 68 o           |
| PUBLICAN                  | 2r | 2      | 6041                          | 64           | 101            | 20     | 5382              | 82           | 102            |        |                    |              |                | 3      | 2535               | 23           | 101            |
| QUENCH                    | 2r | 2      | 6560                          | 583          | 110            | 20     | 5530              | 231          | 104 o          |        |                    |              |                | 3      | 1635               | -876         | 65 *           |



# Ohra, 2004-2011, Viralliset kokeet: Luokittelu satotason mukaan

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials: Classification according to average yield level of trial

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    |       | kpl    | Alhainen taso<br>kg/ha | Suhde-<br>luku |  | kpl    | Keskimääräinen taso<br>kg/ha | Suhde-<br>luku |  | kpl    | Korkea taso<br>kg/ha | Suhde-<br>luku |
|-----------|-------|--------|------------------------|----------------|--|--------|------------------------------|----------------|--|--------|----------------------|----------------|
| Variety   |       | trials | Low level<br>kg/ha     | rel.           |  | trials | Average level<br>kg/ha       | rel.           |  | trials | High level<br>kg/ha  | rel.           |
| HARBINGER | 2r =C | 9      | 4312                   | 100            |  | 10     | 5494                         | 100            |  | 5      | 6685                 | 100            |
| ARTTURI   | 6r    | 1      | 3975                   | 92             |  | 4      | 5268                         | 96             |  | 6      | 6043                 | 90 *           |
| VOITTO    | 6r    | 4      | 3716                   | 86 *           |  | 9      | 5005                         | 91 **          |  | 16     | 6102                 | 91 *           |
| ROLFI     | 6r    | 32     | 3722                   | 86 ***         |  | 32     | 5008                         | 91 ***         |  | 35     | 6047                 | 90 **          |
| PILVI     | 6r    | 7      | 3752                   | 87 *           |  | 11     | 5023                         | 91 **          |  | 11     | 5725                 | 86 ***         |
| AUKUSTI   | 6r    | 4      | 4484                   | 104            |  | 6      | 5874                         | 107 o          |  | 12     | 6720                 | 101            |
| WOLMARI   | 6r    | 4      | 4427                   | 103            |  | 6      | 5703                         | 104            |  | 12     | 6882                 | 103            |
| TIRIL     | 6r    | 10     | 4008                   | 93             |  | 15     | 5306                         | 97             |  | 13     | 6407                 | 96             |
| BOR 07533 | 6r    | 9      | 4475                   | 104            |  | 5      | 5635                         | 103            |  | 4      | 6581                 | 98             |
| GAUTE     | 6r    | 2      | 4238                   | 98             |  | 4      | 5574                         | 101            |  | 2      | 6374                 | 95             |
| ALTTI     | 6r    | 9      | 4116                   | 95             |  | 6      | 5414                         | 99             |  | 10     | 6847                 | 102            |
| TRYM      | 6r    | 9      | 4571                   | 106            |  | 5      | 5828                         | 106            |  | 4      | 6807                 | 102            |
| OLAVI     | 6r    | 6      | 3834                   | 89 *           |  | 12     | 5222                         | 95             |  | 13     | 6207                 | 93 *           |
| POLARTOP  | 6r    | 1      | 4014                   | 93             |  | 4      | 5070                         | 92 o           |  | 10     | 6100                 | 91 *           |
| JYVÄ      | 6r    | 1      | 3865                   | 90             |  | 7      | 5084                         | 93 *           |  | 9      | 6315                 | 94             |
| VILDE     | 6r    | 17     | 4122                   | 96             |  | 18     | 5439                         | 99             |  | 16     | 6725                 | 101            |
| ERKKI     | 6r    | 1      | 4138                   | 96             |  | 5      | 5431                         | 99             |  | 9      | 6367                 | 95             |
| BRAGE     | 6r    | 4      | 4870                   | 113 *          |  | 6      | 5748                         | 105            |  | 11     | 7203                 | 108 *          |
| EINAR     | 6r    | 10     | 4390                   | 102            |  | 8      | 5670                         | 103            |  | 17     | 6987                 | 105            |
| EERIK     | 6r    | 9      | 4133                   | 96             |  | 4      | 5519                         | 100            |  | 7      | 6704                 | 100            |
| ELMERI    | 6r    | 9      | 4463                   | 103            |  | 7      | 5674                         | 103            |  | 14     | 7014                 | 105            |
| BOR 09707 | 6r    | 6      | 4517                   | 105            |  | 2      | 5798                         | 106            |  | 1      | 7100                 | 106            |
| KUNNARI   | 6r    | 21     | 4062                   | 94             |  | 24     | 5465                         | 99             |  | 30     | 6615                 | 99             |
| EDEL      | 6r    | 7      | 3948                   | 92             |  | 6      | 5364                         | 98             |  | 7      | 6926                 | 104            |
| SAANA     | 2r    | 5      | 3449                   | 80 ***         |  | 12     | 4619                         | 84 ***         |  | 6      | 6133                 | 92 *           |
| EDVIN     | 6r    | 9      | 4444                   | 103            |  | 6      | 5635                         | 103            |  | 14     | 7174                 | 107 *          |
| RAGNA     | 6r    | 9      | 4734                   | 110 o          |  | 5      | 5858                         | 107 o          |  | 4      | 7295                 | 109 *          |

**Ohra, 2004-2011, Viralliset kokeet: Luokittelu satotason mukaan**Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials: Classification according to average yield level of trial

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike       |    | kpl    | Alhainen taso<br>kg/ha | Suhde-<br>luku |  | kpl    | Keskimääräinen taso<br>kg/ha | Suhde-<br>luku |  | kpl    | Korkea taso<br>kg/ha | Suhde-<br>luku |
|--------------|----|--------|------------------------|----------------|--|--------|------------------------------|----------------|--|--------|----------------------|----------------|
| Variety      |    | trials | Low level<br>kg/ha     | rel.           |  | trials | Average level<br>kg/ha       | rel.           |  | trials | High level<br>kg/ha  | rel.           |
| BOR 09704    | 6r | 6      | 4620                   | 107            |  | 2      | 5837                         | 106            |  | 1      | 7055                 | 106            |
| SCARLETT     | 2r | 26     | 3787                   | 88 **          |  | 33     | 5118                         | 93 **          |  | 25     | 6197                 | 93 *           |
| TORIA        | 6r | 10     | 5172                   | 120 ***        |  | 7      | 6311                         | 115 ***        |  | 10     | 7176                 | 107 *          |
| MINTTU       | 2r | 6      | 3977                   | 92             |  | 6      | 5599                         | 102            |  | 7      | 6817                 | 102            |
| MARGRET      | 2r | 1      | 3547                   | 82 o           |  | 5      | 4923                         | 90 **          |  | 7      | 6473                 | 97             |
| AURIGA       | 2r | 3      | 3712                   | 86 *           |  | 6      | 4912                         | 89 **          |  | 4      | 6224                 | 93             |
| TOLKIEN      | 2r | 8      | 4032                   | 94             |  | 7      | 5657                         | 103            |  | 2      | 6961                 | 104            |
| ELISETA      | 2r | 9      | 4356                   | 101            |  | 8      | 5452                         | 99             |  | 5      | 6310                 | 94             |
| SW MITJA     | 2r | 5      | 4575                   | 106            |  | 9      | 6095                         | 111 ***        |  | 1      | 6883                 | 103            |
| RAMBLER      | 2r | 9      | 4363                   | 101            |  | 10     | 5434                         | 99             |  | 5      | 6422                 | 96             |
| BRAEMAR      | 2r | 7      | 3817                   | 89 *           |  | 10     | 5041                         | 92 **          |  | 7      | 6371                 | 95             |
| MARTHE       | 2r | 11     | 4210                   | 98             |  | 12     | 5377                         | 98             |  | 7      | 6507                 | 97             |
| XANADU       | 2r | 10     | 3861                   | 90 *           |  | 8      | 5474                         | 100            |  | 9      | 6464                 | 97             |
| STRG 752/09  | 2r |        |                        |                |  | 2      | 5689                         | 104            |  |        |                      |                |
| PRESTIGE     | 2r | 4      | 3626                   | 84 **          |  | 6      | 5097                         | 93 *           |  |        |                      |                |
| IRON         | 2r | 6      | 4686                   | 109            |  | 10     | 6389                         | 116 ***        |  | 6      | 7090                 | 106            |
| MAAREN       | 2r | 4      | 4158                   | 96             |  | 10     | 5323                         | 97             |  | 6      | 6162                 | 92 o           |
| INGMAR       | 2r | 9      | 4173                   | 97             |  | 7      | 5505                         | 100            |  | 7      | 6918                 | 103            |
| STREIF       | 2r | 10     | 4510                   | 105            |  | 11     | 6158                         | 112 ***        |  | 5      | 6914                 | 103            |
| NORD 08/2413 | 2r | 1      | 4682                   | 109            |  | 5      | 6292                         | 115 ***        |  |        |                      |                |
| FAIRYTALE    | 2r | 9      | 4726                   | 110 *          |  | 10     | 5920                         | 108 *          |  | 5      | 7138                 | 107 o          |
| CONCHITA     | 2r | 9      | 4367                   | 101            |  | 7      | 5578                         | 102            |  | 4      | 6778                 | 101            |
| COLUMBUS     | 2r | 5      | 4324                   | 100            |  | 9      | 5969                         | 109 **         |  | 1      | 6696                 | 100            |
| BARKE        | 2r | 3      | 3818                   | 89 o           |  | 3      | 5276                         | 96             |  | 4      | 6496                 | 97             |
| ANNABELL     | 2r | 25     | 4142                   | 96             |  | 30     | 5448                         | 99             |  | 23     | 6473                 | 97             |
| CRUISER      | 2r | 3      | 3979                   | 92             |  | 7      | 5240                         | 95             |  | 7      | 6311                 | 94             |
| SUNSHINE     | 2r | 5      | 4152                   | 96             |  | 8      | 5675                         | 103            |  | 6      | 6609                 | 99             |

# Ohra, 2004-2011, Viralliset kokeet: Luokittelu satotason mukaan

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials: Classification according to average yield level of trial

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike                  |    | kpl    | Alhainen taso<br>kg/ha | Suhde-<br>luku | kpl    | Keskimääräinen taso<br>kg/ha | Suhde-<br>luku |     | kpl    | Korkea taso<br>kg/ha | Suhde-<br>luku |
|-------------------------|----|--------|------------------------|----------------|--------|------------------------------|----------------|-----|--------|----------------------|----------------|
| Variety                 |    | trials | Low level<br>kg/ha     | rel.           | trials | Average level<br>kg/ha       | rel.           |     | trials | High level<br>kg/ha  | rel.           |
| EVERGREEN (PF 15020-56) | 2r | 2      | 4087                   | 95             | 6      | 5770                         | 105            |     |        |                      |                |
| OVERTURE (NSL07-8120A)  | 2r | 2      | 4001                   | 93             | 6      | 6138                         | 112            | **  |        |                      |                |
| JB MALTASIA             | 2r | 9      | 4114                   | 95             | 8      | 5464                         | 99             |     | 5      | 6508                 | 97             |
| GRACE                   | 2r | 5      | 4413                   | 102            | 8      | 6183                         | 113            | *** | 6      | 7102                 | 106            |
| AMBER                   | 2r | 11     | 4259                   | 99             | 7      | 5544                         | 101            |     | 4      | 6706                 | 100            |
| BEATRIX                 | 2r | 8      | 4227                   | 98             | 6      | 5974                         | 109            | *   | 6      | 6776                 | 101            |
| NORD 08/2530            | 2r | 1      | 4368                   | 101            | 4      | 5892                         | 107            | o   |        |                      |                |
| ALINA                   | 2r | 1      | 3613                   | 84             | 4      | 5055                         | 92             | o   | 5      | 6210                 | 93             |
| TOLAR                   | 2r |        |                        |                | 4      | 5207                         | 95             |     | 1      | 6231                 | 93             |
| TREKKER                 | 2r | 2      | 4664                   | 108            | 6      | 6339                         | 115            | *** |        |                      |                |
| POSADA                  | 2r | 5      | 4370                   | 101            | 8      | 5836                         | 106            | o   | 6      | 7098                 | 106            |
| SYN 409-221             | 2r | 2      | 3999                   | 93             | 6      | 5992                         | 109            | *   |        |                      |                |
| GILDER                  | 2r | 2      | 4159                   | 96             | 6      | 5828                         | 106            | o   |        |                      |                |
| SHANNON                 | 2r | 4      | 4527                   | 105            | 5      | 5987                         | 109            | *   | 6      | 6799                 | 102            |
| KWS BAMBINA             | 2r | 5      | 4320                   | 100            | 9      | 5582                         | 102            |     | 1      | 7027                 | 105            |
| TOCADA                  | 2r | 9      | 4333                   | 100            | 16     | 5921                         | 108            | **  | 11     | 7005                 | 105            |
| OPTIMA                  | 2r |        |                        |                | 4      | 4861                         | 88             | **  | 1      | 5336                 | 80             |
| PROPINO                 | 2r | 5      | 4139                   | 96             | 8      | 5836                         | 106            | o   | 6      | 6862                 | 103            |
| CROPTON                 | 2r | 4      | 4278                   | 99             | 4      | 5859                         | 107            |     | 6      | 6854                 | 103            |
| SE 208/08               | 2r |        |                        |                | 2      | 6045                         | 110            | o   |        |                      |                |
| JUSTINA                 | 2r | 7      | 4332                   | 100            | 16     | 5884                         | 107            | *   | 6      | 7083                 | 106            |
| STRG 750/09             | 2r | 1      | 3651                   | 85             | 3      | 5489                         | 100            |     |        |                      |                |
| SYN 408-197             | 2r | 2      | 4641                   | 108            | 6      | 6479                         | 118            | *** |        |                      |                |
| SCRABBLE                | 2r | 5      | 4161                   | 96             | 9      | 6142                         | 112            | *** | 1      | 6784                 | 101            |
| NORD 09/2421 (GS 2563)  | 2r | 1      | 4272                   | 99             | 3      | 6169                         | 112            | **  |        |                      |                |
| NFC TIPPLE              | 2r | 10     | 4361                   | 101            | 7      | 5872                         | 107            | *   | 9      | 6888                 | 103            |
| PUBLICAN                | 2r | 10     | 4475                   | 104            | 8      | 5599                         | 102            |     | 4      | 6504                 | 97             |
| QUENCH                  | 2r | 10     | 4520                   | 105            | 8      | 5873                         | 107            | *   | 4      | 6845                 | 102            |

## Ohra, 2004-2011, Viralliset kokeet

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    |       | kpl    | Sato<br>kg/ha  | Sato-<br>ero        | Suhde-<br>luku |      | kpl    | Kasvuaika<br>pv   |     | kpl    | Lämpö-<br>summa    |     | kpl    | Lako-<br>%    |     | kpl    | Pituus<br>cm |
|-----------|-------|--------|----------------|---------------------|----------------|------|--------|-------------------|-----|--------|--------------------|-----|--------|---------------|-----|--------|--------------|
| Variety   |       | trials | Yield<br>kg/ha | Yield<br>difference |                | rel. | trials | Growing<br>time d |     | trials | Temperature<br>sum |     | trials | Lodging-<br>% |     | trials | Length<br>cm |
| VILDE     | 6r =C | 51     | 5582           | 0                   | 100            |      | 48     | 89.2              |     | 47     | 867                |     | 37     | 8             |     | 49     | 73           |
| ARTTURI   | 6r    | 11     | 5161           | -420                | 92             | **   | 11     | 83.2              | *** | 11     | 804                | *** | 9      | 27            | *** | 11     | 76 **        |
| VOITTO    | 6r    | 29     | 5083           | -498                | 91             | ***  | 28     | 84.6              | *** | 27     | 823                | *** | 22     | 22            | *** | 28     | 77 ***       |
| ROLFI     | 6r    | 99     | 5076           | -505                | 91             | ***  | 96     | 84.7              | *** | 92     | 818                | *** | 66     | 30            | *** | 96     | 71 **        |
| PILVI     | 6r    | 29     | 4975           | -606                | 89             | ***  | 29     | 84.8              | *** | 28     | 825                | *** | 19     | 20            | *** | 29     | 78 ***       |
| AUKUSTI   | 6r    | 22     | 5813           | 230                 | 104            | *    | 22     | 84.9              | *** | 22     | 828                | *** | 14     | 20            | **  | 22     | 80 ***       |
| WOLMARI   | 6r    | 22     | 5845           | 262                 | 105            | *    | 22     | 85.8              | *** | 22     | 836                | *** | 14     | 18            | **  | 22     | 73           |
| TIRIL     | 6r    | 38     | 5393           | -188                | 97             | *    | 38     | 86.1              | *** | 38     | 836                | *** | 24     | 17            | **  | 37     | 76 ***       |
| BOR 07533 | 6r    | 18     | 5762           | 180                 | 103            |      | 15     | 87.3              | *** | 15     | 843                | *** | 12     | 19            | **  | 16     | 74           |
| GAUTE     | 6r    | 8      | 5570           | -11                 | 100            |      | 8      | 87.3              | **  | 7      | 856                |     | 8      | 24            | *** | 8      | 82 ***       |
| ALTTI     | 6r    | 25     | 5649           | 66                  | 101            |      | 25     | 87.7              | **  | 25     | 850                | *** | 17     | 16            | *   | 25     | 76 ***       |
| TRYM      | 6r    | 18     | 5914           | 332                 | 106            | **   | 15     | 88.1              | *   | 15     | 854                | *   | 12     | 23            | *** | 16     | 80 ***       |
| OLAVI     | 6r    | 31     | 5243           | -338                | 94             | ***  | 31     | 88.9              |     | 31     | 866                |     | 20     | 16            | *   | 30     | 78 ***       |
| POLARTOP  | 6r    | 15     | 5116           | -465                | 92             | ***  | 15     | 89.1              |     | 14     | 870                |     | 12     | 25            | *** | 15     | 85 ***       |
| JYVÄ      | 6r    | 17     | 5244           | -338                | 94             | **   | 17     | 89.2              |     | 17     | 870                |     | 13     | 29            | *** | 17     | 76 ***       |
| ERKKI     | 6r    | 15     | 5414           | -167                | 97             |      | 15     | 89.4              |     | 15     | 874                |     | 11     | 34            | *** | 15     | 77 ***       |
| BRAGE     | 6r    | 21     | 6106           | 524                 | 109            | ***  | 21     | 89.4              |     | 21     | 869                |     | 14     | 14            |     | 21     | 78 ***       |
| EINAR     | 6r    | 35     | 5868           | 285                 | 105            | **   | 35     | 90.2              | *   | 35     | 879                | **  | 22     | 11            |     | 35     | 77 ***       |
| EERI-K    | 6r    | 20     | 5609           | 27                  | 100            |      | 20     | 90.4              | *   | 20     | 883                | **  | 14     | 10            |     | 20     | 71 o         |
| ELMERI    | 6r    | 30     | 5904           | 322                 | 106            | ***  | 30     | 90.6              | **  | 30     | 882                | **  | 18     | 11            |     | 30     | 72           |
| BOR 09707 | 6r    | 9      | 5958           | 375                 | 107            | *    | 7      | 90.6              | o   | 7      | 883                | o   | 6      | 18            | o   | 8      | 74           |
| KUNNARI   | 6r    | 75     | 5541           | -40                 | 99             |      | 75     | 91.1              | *** | 71     | 889                | *** | 48     | 26            | *** | 74     | 79 ***       |
| EDEL      | 6r    | 20     | 5573           | -8                  | 100            |      | 20     | 91.5              | *** | 18     | 894                | *** | 16     | 9             |     | 20     | 81 ***       |
| SAANA     | 2r    | 23     | 4833           | -749                | 87             | ***  | 23     | 91.7              | *** | 20     | 896                | *** | 16     | 20            | **  | 23     | 67 ***       |
| EDVIN     | 6r    | 29     | 5968           | 386                 | 107            | ***  | 29     | 91.9              | *** | 29     | 898                | *** | 18     | 22            | *** | 29     | 79 ***       |
| RAGNA     | 6r    | 18     | 6112           | 530                 | 109            | ***  | 15     | 92.1              | *** | 15     | 902                | *** | 12     | 7             |     | 16     | 77 ***       |
| BOR 09704 | 6r    | 9      | 6030           | 448                 | 108            | **   | 7      | 92.2              | *** | 7      | 897                | *** | 6      | 13            |     | 8      | 76 **        |
| SCARLETT  | 2r    | 84     | 5185           | -396                | 93             | ***  | 83     | 92.2              | *** | 69     | 902                | *** | 53     | 26            | *** | 82     | 67 ***       |
| TORIA     | 6r    | 27     | 6380           | 797                 | 114            | ***  | 24     | 92.6              | *** | 24     | 903                | *** | 17     | 18            | **  | 25     | 74           |

## Ohra, 2004-2011, Viralliset kokeet

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike                  |    | kpl    | Sato<br>kg/ha  | Sato-<br>ero        | Suhde-<br>luku |  | kpl    | Kasvuaika<br>pv   |  | kpl    | Lämpö-<br>summa    |  | kpl    | Lako-<br>%    |  | kpl    | Pituus<br>cm |
|-------------------------|----|--------|----------------|---------------------|----------------|--|--------|-------------------|--|--------|--------------------|--|--------|---------------|--|--------|--------------|
| Variety                 |    | trials | Yield<br>kg/ha | Yield<br>difference | rel.           |  | trials | Growing<br>time d |  | trials | Temperature<br>sum |  | trials | Lodging-<br>% |  | trials | Length<br>cm |
| MINTTU                  | 2r | 19     | 5622           | 39                  | 101            |  | 19     | 93.3 ***          |  | 15     | 911 ***            |  | 10     | 20 **         |  | 19     | 66 ***       |
| MARGRET                 | 2r | 13     | 5220           | -362                | 94 **          |  | 13     | 93.4 ***          |  | 10     | 915 ***            |  | 10     | 23 ***        |  | 13     | 65 ***       |
| AURIGA                  | 2r | 13     | 5072           | -509                | 91 ***         |  | 13     | 93.5 ***          |  | 10     | 915 ***            |  | 8      | 24 **         |  | 13     | 69 ***       |
| TOLKIEN                 | 2r | 17     | 5606           | 24                  | 100            |  | 17     | 93.7 ***          |  | 12     | 914 ***            |  | 9      | 22 **         |  | 17     | 66 ***       |
| ELISETA                 | 2r | 22     | 5574           | -7                  | 100            |  | 22     | 93.8 ***          |  | 16     | 921 ***            |  | 14     | 21 ***        |  | 22     | 72           |
| SW MITJA                | 2r | 15     | 6070           | 488                 | 109 ***        |  | 14     | 93.9 ***          |  | 12     | 928 ***            |  | 10     | 15            |  | 14     | 70 **        |
| RAMBLER                 | 2r | 24     | 5581           | 0                   | 100            |  | 24     | 94.2 ***          |  | 18     | 924 ***            |  | 16     | 21 ***        |  | 24     | 66 ***       |
| BRAEMAR                 | 2r | 24     | 5197           | -384                | 93 ***         |  | 24     | 94.3 ***          |  | 18     | 925 ***            |  | 18     | 27 ***        |  | 24     | 69 ***       |
| MARTHE                  | 2r | 30     | 5509           | -73                 | 99             |  | 30     | 94.3 ***          |  | 23     | 934 ***            |  | 17     | 22 ***        |  | 30     | 69 ***       |
| XANADU                  | 2r | 27     | 5400           | -182                | 97 o           |  | 27     | 94.6 ***          |  | 20     | 931 ***            |  | 15     | 16 *          |  | 27     | 68 ***       |
| STRG 752/09             | 2r | 2      | 5663           | 81                  | 101            |  | 2      | 94.7 ***          |  | 2      | 940 ***            |  | 2      | 37 ***        |  | 2      | 70           |
| PRESTIGE                | 2r | 10     | 5102           | -479                | 91 **          |  | 10     | 94.9 ***          |  | 7      | 933 ***            |  | 5      | 18 o          |  | 10     | 69 **        |
| IRON                    | 2r | 22     | 6256           | 674                 | 112 ***        |  | 21     | 94.9 ***          |  | 17     | 939 ***            |  | 11     | 14            |  | 21     | 69 ***       |
| MAAREN                  | 2r | 20     | 5338           | -243                | 96 *           |  | 20     | 95.0 ***          |  | 15     | 933 ***            |  | 16     | 20 **         |  | 20     | 69 ***       |
| INGMAR                  | 2r | 23     | 5660           | 78                  | 101            |  | 23     | 95.1 ***          |  | 17     | 936 ***            |  | 13     | 38 ***        |  | 23     | 74           |
| STREIF                  | 2r | 26     | 6042           | 460                 | 108 ***        |  | 26     | 95.2 ***          |  | 20     | 944 ***            |  | 16     | 16 *          |  | 26     | 68 ***       |
| NORD 08/2413            | 2r | 6      | 6258           | 676                 | 112 ***        |  | 6      | 95.3 ***          |  | 5      | 947 ***            |  | 5      | 18 o          |  | 6      | 65 ***       |
| FAIRYTALE               | 2r | 24     | 6069           | 487                 | 109 ***        |  | 24     | 95.4 ***          |  | 18     | 944 ***            |  | 16     | 21 ***        |  | 24     | 71 *         |
| CONCHITA                | 2r | 20     | 5728           | 146                 | 103            |  | 20     | 95.4 ***          |  | 13     | 942 ***            |  | 11     | 23 ***        |  | 20     | 66 ***       |
| COLUMBUS                | 2r | 15     | 5899           | 316                 | 106 *          |  | 14     | 95.5 ***          |  | 12     | 947 ***            |  | 10     | 34 ***        |  | 14     | 71 *         |
| BARKE                   | 2r | 10     | 5381           | -201                | 96             |  | 10     | 95.5 ***          |  | 8      | 944 ***            |  | 5      | 18 o          |  | 10     | 72           |
| ANNABELL                | 2r | 78     | 5507           | -74                 | 99             |  | 77     | 95.5 ***          |  | 64     | 944 ***            |  | 49     | 20 ***        |  | 76     | 70 ***       |
| CRUISER                 | 2r | 17     | 5298           | -283                | 95 *           |  | 17     | 95.6 ***          |  | 13     | 939 ***            |  | 11     | 19 *          |  | 17     | 70 **        |
| SUNSHINE                | 2r | 19     | 5659           | 77                  | 101            |  | 18     | 95.6 ***          |  | 14     | 950 ***            |  | 9      | 12            |  | 18     | 71 o         |
| EVERGREEN (PF 15020-56) | 2r | 8      | 5710           | 128                 | 102            |  | 7      | 95.6 ***          |  | 7      | 946 ***            |  | 6      | 32 ***        |  | 7      | 70 o         |
| OVERTURE (NSL07-8120A)  | 2r | 8      | 5965           | 383                 | 107 *          |  | 7      | 95.7 ***          |  | 7      | 947 ***            |  | 6      | 25 **         |  | 7      | 71           |
| JB MALTASIA             | 2r | 22     | 5524           | -57                 | 99             |  | 22     | 95.7 ***          |  | 16     | 949 ***            |  | 14     | 23 ***        |  | 22     | 66 ***       |

## Ohra, 2004-2011, Viralliset kokeet

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike                 |    | kpl    | Sato<br>kg/ha  | Sato-<br>ero        | Suhde-<br>luku |    | kpl      | Kasvuaika<br>pv   |         | kpl    | Lämpö-<br>summa    |    | kpl    | Lako-<br>%    |  | kpl    | Pituus<br>cm |
|------------------------|----|--------|----------------|---------------------|----------------|----|----------|-------------------|---------|--------|--------------------|----|--------|---------------|--|--------|--------------|
| Variety                |    | trials | Yield<br>kg/ha | Yield<br>difference | rel.           |    | trials   | Growing<br>time d |         | trials | Temperature<br>sum |    | trials | Lodging-<br>% |  | trials | Lenght<br>cm |
| GRACE                  | 2r | 19     | 6097           | 515                 | 109 ***        | 18 | 95.7 *** | 14                | 953 *** | 9      | 24 ***             | 18 | 70 **  |               |  |        |              |
| HARBINGER              | 2r | 24     | 5642           | 60                  | 101            | 24 | 95.8 *** | 18                | 951 *** | 16     | 13                 | 24 | 67 *** |               |  |        |              |
| AMBER                  | 2r | 22     | 5655           | 73                  | 101            | 22 | 95.8 *** | 16                | 948 *** | 12     | 20 **              | 22 | 70 *** |               |  |        |              |
| BEATRIX                | 2r | 20     | 5780           | 197                 | 104 o          | 20 | 95.8 *** | 15                | 947 *** | 11     | 19 **              | 20 | 69 *** |               |  |        |              |
| NORD 08/2530           | 2r | 5      | 5873           | 291                 | 105            | 5  | 95.9 *** | 4                 | 951 *** | 4      | 31 ***             | 5  | 68 *** |               |  |        |              |
| ALINA                  | 2r | 10     | 5129           | -452                | 92 **          | 10 | 95.9 *** | 8                 | 937 *** | 9      | 17 *               | 10 | 77 *** |               |  |        |              |
| TOLAR                  | 2r | 5      | 5259           | -323                | 94 o           | 5  | 95.9 *** | 4                 | 934 *** | 5      | 24 **              | 5  | 71     |               |  |        |              |
| TREKKER                | 2r | 8      | 6281           | 699                 | 113 ***        | 7  | 96.0 *** | 7                 | 953 *** | 6      | 21 *               | 7  | 69 **  |               |  |        |              |
| POSADA                 | 2r | 19     | 5939           | 357                 | 106 **         | 18 | 96.0 *** | 14                | 954 *** | 9      | 20 *               | 18 | 70 **  |               |  |        |              |
| SYN 409-221            | 2r | 8      | 5855           | 272                 | 105 o          | 7  | 96.0 *** | 7                 | 953 *** | 6      | 20 *               | 7  | 70 o   |               |  |        |              |
| GILDER                 | 2r | 8      | 5772           | 190                 | 103            | 7  | 96.1 *** | 7                 | 950 *** | 6      | 19 *               | 7  | 72     |               |  |        |              |
| SHANNON                | 2r | 15     | 5934           | 352                 | 106 **         | 15 | 96.1 *** | 11                | 958 *** | 6      | 13                 | 15 | 70 **  |               |  |        |              |
| KWS BAMBINA            | 2r | 15     | 5687           | 105                 | 102            | 14 | 96.2 *** | 12                | 958 *** | 10     | 29 ***             | 14 | 71     |               |  |        |              |
| TOCADA                 | 2r | 36     | 5919           | 337                 | 106 ***        | 36 | 96.3 *** | 27                | 950 *** | 22     | 18 **              | 36 | 71 **  |               |  |        |              |
| OPTIMA                 | 2r | 5      | 4802           | -779                | 86 ***         | 5  | 96.5 *** | 4                 | 940 *** | 5      | 14                 | 5  | 58 *** |               |  |        |              |
| PROPINO                | 2r | 19     | 5803           | 221                 | 104 o          | 18 | 96.6 *** | 14                | 962 *** | 9      | 15                 | 18 | 73     |               |  |        |              |
| CROPTON                | 2r | 14     | 5848           | 266                 | 105 *          | 14 | 96.8 *** | 10                | 968 *** | 5      | 17                 | 14 | 71 *   |               |  |        |              |
| SE 208/08              | 2r | 2      | 6039           | 457                 | 108            | 2  | 96.8 *** | 2                 | 963 *** | 2      | 27 *               | 2  | 73     |               |  |        |              |
| JUSTINA                | 2r | 29     | 5918           | 336                 | 106 ***        | 29 | 96.9 *** | 24                | 948 *** | 20     | 20 ***             | 28 | 72     |               |  |        |              |
| STRG 750/09            | 2r | 4      | 5407           | -174                | 97             | 3  | 97.3 *** | 3                 | 966 *** | 3      | 61 ***             | 3  | 70     |               |  |        |              |
| SYN 408-197            | 2r | 8      | 6380           | 798                 | 114 ***        | 7  | 97.3 *** | 7                 | 967 *** | 6      | 9                  | 7  | 74     |               |  |        |              |
| SCRABBLE               | 2r | 15     | 5954           | 372                 | 107 **         | 14 | 97.5 *** | 12                | 974 *** | 10     | 18 *               | 14 | 69 *** |               |  |        |              |
| NORD 09/2421 (GS 2563) | 2r | 4      | 6072           | 490                 | 109 *          | 3  | 97.6 *** | 3                 | 974 *** | 3      | 38 ***             | 3  | 68 *   |               |  |        |              |
| NFC TIPPLE             | 2r | 26     | 5841           | 259                 | 105 *          | 26 | 97.7 *** | 20                | 968 *** | 13     | 16 o               | 26 | 67 *** |               |  |        |              |
| PUBLICAN               | 2r | 22     | 5726           | 143                 | 103            | 22 | 97.7 *** | 16                | 973 *** | 11     | 17 *               | 22 | 70 **  |               |  |        |              |
| QUENCH                 | 2r | 22     | 5908           | 326                 | 106 **         | 22 | 97.7 *** | 16                | 972 *** | 11     | 20 **              | 22 | 69 *** |               |  |        |              |

## Ohra, 2004-2011, Viralliset kokeet

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    |       | kpl    | Tjp<br>g              |  | kpl    | Hlp<br>kg       |  | kpl    | Valk.-<br>% |  | kpl    | Valk.sato<br>kg/ha  |
|-----------|-------|--------|-----------------------|--|--------|-----------------|--|--------|-------------|--|--------|---------------------|
| Variety   |       | trials | 1000 seed<br>weight g |  | trials | HI weight<br>kg |  | trials | Prot.-<br>% |  | trials | Prot.yield<br>kg/ha |
| VILDE     | 6r =C | 50     | 41.4                  |  | 50     | 63.6            |  | 50     | 12.4        |  | 50     | 583                 |
| ARTTURI   | 6r    | 11     | 38.2 ***              |  | 11     | 63.5            |  | 11     | 13.1 ***    |  | 11     | 584                 |
| VOITTO    | 6r    | 29     | 40.9                  |  | 29     | 62.9 *          |  | 29     | 12.5        |  | 29     | 543 ***             |
| ROLFI     | 6r    | 98     | 38.7 ***              |  | 98     | 62.5 ***        |  | 98     | 12.6 *      |  | 98     | 541 ***             |
| PILVI     | 6r    | 29     | 41.3                  |  | 29     | 63.6            |  | 29     | 13.3 ***    |  | 29     | 563 *               |
| AUKUSTI   | 6r    | 22     | 42.4 o                |  | 22     | 64.6 **         |  | 22     | 12.0 ***    |  | 22     | 596                 |
| WOLMARI   | 6r    | 22     | 40.6                  |  | 22     | 63.3            |  | 22     | 12.1 **     |  | 22     | 603 o               |
| TIRIL     | 6r    | 38     | 40.0 **               |  | 38     | 63.7            |  | 38     | 12.8 ***    |  | 38     | 587                 |
| BOR 07533 | 6r    | 17     | 42.5 o                |  | 17     | 64.1            |  | 17     | 12.3        |  | 17     | 595                 |
| GAUTE     | 6r    | 8      | 41.4                  |  | 8      | 63.0            |  | 8      | 12.3        |  | 8      | 584                 |
| ALTTI     | 6r    | 25     | 43.9 ***              |  | 25     | 64.1            |  | 25     | 12.0 ***    |  | 25     | 577                 |
| TRYM      | 6r    | 17     | 42.1                  |  | 17     | 63.6            |  | 17     | 11.9 ***    |  | 17     | 594                 |
| OLAVI     | 6r    | 31     | 41.6                  |  | 31     | 62.0 ***        |  | 31     | 12.1 ***    |  | 31     | 536 ***             |
| POLARTOP  | 6r    | 15     | 42.6 o                |  | 15     | 63.6            |  | 15     | 12.9 ***    |  | 15     | 573                 |
| JYVÄ      | 6r    | 17     | 41.6                  |  | 17     | 66.2 ***        |  | 17     | 12.6        |  | 17     | 563 o               |
| ERKKI     | 6r    | 15     | 40.5                  |  | 15     | 64.3            |  | 15     | 11.8 ***    |  | 15     | 541 **              |
| BRAGE     | 6r    | 21     | 39.7 **               |  | 21     | 65.3 ***        |  | 21     | 11.8 ***    |  | 21     | 619 **              |
| EINAR     | 6r    | 35     | 40.8                  |  | 35     | 65.2 ***        |  | 35     | 11.6 ***    |  | 35     | 578                 |
| EERIK     | 6r    | 20     | 42.9 *                |  | 20     | 62.2 **         |  | 20     | 11.8 ***    |  | 20     | 561 o               |
| ELMERI    | 6r    | 30     | 42.4 o                |  | 30     | 64.2 o          |  | 30     | 11.4 ***    |  | 30     | 571                 |
| BOR 09707 | 6r    | 8      | 42.5                  |  | 8      | 65.1 **         |  | 8      | 11.3 ***    |  | 8      | 562                 |
| KUNNARI   | 6r    | 75     | 39.8 ***              |  | 75     | 65.3 ***        |  | 75     | 11.3 ***    |  | 75     | 535 ***             |
| EDEL      | 6r    | 20     | 40.8                  |  | 20     | 64.9 ***        |  | 20     | 11.5 ***    |  | 20     | 543 ***             |
| SAANA     | 2r    | 23     | 47.0 ***              |  | 23     | 66.3 ***        |  | 23     | 12.5        |  | 23     | 513 ***             |
| EDVIN     | 6r    | 29     | 41.0                  |  | 29     | 64.3 o          |  | 29     | 11.1 ***    |  | 29     | 564 o               |
| RAGNA     | 6r    | 17     | 45.0 ***              |  | 17     | 66.2 ***        |  | 17     | 11.3 ***    |  | 17     | 585                 |
| BOR 09704 | 6r    | 8      | 42.7                  |  | 8      | 65.2 **         |  | 8      | 11.4 ***    |  | 8      | 590                 |
| SCARLETT  | 2r    | 83     | 45.1 ***              |  | 83     | 68.4 ***        |  | 83     | 12.3        |  | 83     | 547 ***             |
| TORIA     | 6r    | 26     | 46.0 ***              |  | 26     | 65.9 ***        |  | 26     | 11.3 ***    |  | 26     | 607 *               |

## Ohra, 2004-2011, Viralliset kokeet

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike                  |    | kpl    | Tjp<br>g              |    | kpl      | Hlp<br>kg       |          | kpl    | Valk.-<br>% |     | kpl    | Valk.sato<br>kg/ha  |
|-------------------------|----|--------|-----------------------|----|----------|-----------------|----------|--------|-------------|-----|--------|---------------------|
| Variety                 |    | trials | 1000 seed<br>weight g |    | trials   | HI weight<br>kg |          | trials | Prot.-<br>% |     | trials | Prot.yield<br>kg/ha |
| MINTTU                  | 2r | 19     | 51.4 ***              | 19 | 66.2 *** | 19              | 12.0 *** | 19     | 577         |     |        |                     |
| MARGRET                 | 2r | 13     | 47.1 ***              | 13 | 68.8 *** | 13              | 12.2 *** | 13     | 538         | **  |        |                     |
| AURIGA                  | 2r | 13     | 47.7 ***              | 13 | 69.0 *** | 13              | 12.0 **  | 13     | 515         | *** |        |                     |
| TOLKIEN                 | 2r | 17     | 49.5 ***              | 17 | 66.5 *** | 17              | 11.2 *** | 17     | 540         | *** |        |                     |
| ELISETA                 | 2r | 22     | 51.0 ***              | 22 | 70.1 *** | 22              | 12.3     | 22     | 590         |     |        |                     |
| SW MITJA                | 2r | 14     | 49.0 ***              | 14 | 69.2 *** | 14              | 11.6 *** | 14     | 615         | *   |        |                     |
| RAMBLER                 | 2r | 24     | 51.0 ***              | 24 | 67.7 *** | 24              | 11.6 *** | 24     | 554         | **  |        |                     |
| BRAEMAR                 | 2r | 24     | 48.0 ***              | 24 | 66.8 *** | 24              | 12.1 **  | 24     | 532         | *** |        |                     |
| MARTHE                  | 2r | 30     | 45.9 ***              | 30 | 67.8 *** | 30              | 12.0 *** | 30     | 566         | o   |        |                     |
| XANADU                  | 2r | 27     | 47.8 ***              | 27 | 67.4 *** | 27              | 12.3     | 27     | 565         | o   |        |                     |
| STRG 752/09             | 2r | 2      | 50.9 ***              | 2  | 68.4 *** | 2               | 11.1 *** | 2      | 545         |     |        |                     |
| PRESTIGE                | 2r | 10     | 50.0 ***              | 10 | 68.1 *** | 10              | 12.0 *   | 10     | 525         | *** |        |                     |
| IRON                    | 2r | 21     | 48.2 ***              | 21 | 67.9 *** | 21              | 11.2 *** | 21     | 606         | o   |        |                     |
| MAAREN                  | 2r | 20     | 46.8 ***              | 20 | 67.6 *** | 20              | 12.0 **  | 20     | 547         | **  |        |                     |
| INGMAR                  | 2r | 23     | 52.1 ***              | 23 | 68.5 *** | 23              | 11.8 *** | 23     | 570         |     |        |                     |
| STREIF                  | 2r | 26     | 50.2 ***              | 26 | 67.8 *** | 26              | 11.7 *** | 26     | 608         | *   |        |                     |
| NORD 08/2413            | 2r | 6      | 49.3 ***              | 6  | 67.5 *** | 6               | 10.7 *** | 6      | 588         |     |        |                     |
| FAIRYTALE               | 2r | 24     | 44.1 ***              | 24 | 67.2 *** | 24              | 11.1 *** | 24     | 579         |     |        |                     |
| CONCHITA                | 2r | 20     | 52.0 ***              | 20 | 67.6 *** | 20              | 11.5 *** | 20     | 563         | o   |        |                     |
| COLUMBUS                | 2r | 14     | 48.3 ***              | 14 | 67.6 *** | 14              | 11.0 *** | 14     | 571         |     |        |                     |
| BARKE                   | 2r | 10     | 50.1 ***              | 10 | 69.1 *** | 10              | 12.4     | 10     | 568         |     |        |                     |
| ANNABELL                | 2r | 77     | 43.7 ***              | 77 | 66.2 *** | 77              | 11.5 *** | 77     | 542         | *** |        |                     |
| CRUISER                 | 2r | 17     | 47.3 ***              | 17 | 67.0 *** | 17              | 12.0 **  | 17     | 541         | *** |        |                     |
| SUNSHINE                | 2r | 18     | 50.4 ***              | 18 | 68.1 *** | 18              | 12.0 *** | 18     | 583         |     |        |                     |
| EVERGREEN (PF 15020-56) | 2r | 7      | 50.0 ***              | 7  | 68.0 *** | 7               | 11.3 *** | 7      | 570         |     |        |                     |
| OVERTURE (NSL07-8120A)  | 2r | 7      | 48.5 ***              | 7  | 65.8 *** | 7               | 10.7 *** | 7      | 568         |     |        |                     |
| JB MALTASIA             | 2r | 22     | 47.1 ***              | 22 | 68.4 *** | 22              | 12.0 *** | 22     | 562         | o   |        |                     |



## Ohra, 2004-2011, Viralliset kokeet

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike                 |    | kpl    | Tjp<br>g              |  | kpl    | Hlp<br>kg       |  | kpl    | Valk.-<br>% |  | kpl    | Valk.sato<br>kg/ha  |  |
|------------------------|----|--------|-----------------------|--|--------|-----------------|--|--------|-------------|--|--------|---------------------|--|
| Variety                |    | trials | 1000 seed<br>weight g |  | trials | HI weight<br>kg |  | trials | Prot.-<br>% |  | trials | Prot.yield<br>kg/ha |  |
| GRACE                  | 2r | 18     | 50.7 ***              |  | 18     | 69.5 ***        |  | 18     | 11.7 ***    |  | 18     | 615 *               |  |
| HARBINGER              | 2r | 24     | 48.3 ***              |  | 24     | 68.1 ***        |  | 24     | 11.5 ***    |  | 24     | 559 *               |  |
| AMBER                  | 2r | 22     | 49.1 ***              |  | 22     | 67.9 ***        |  | 22     | 11.5 ***    |  | 22     | 555 *               |  |
| BEATRIX                | 2r | 20     | 51.2 ***              |  | 20     | 66.7 ***        |  | 20     | 11.0 ***    |  | 20     | 546 **              |  |
| NORD 08/2530           | 2r | 5      | 50.8 ***              |  | 5      | 66.2 ***        |  | 5      | 10.9 ***    |  | 5      | 560                 |  |
| ALINA                  | 2r | 10     | 44.6 ***              |  | 10     | 68.4 ***        |  | 10     | 12.2        |  | 10     | 533 **              |  |
| TOLAR                  | 2r | 5      | 48.1 ***              |  | 5      | 67.3 ***        |  | 5      | 12.7        |  | 5      | 566                 |  |
| TREKKER                | 2r | 7      | 50.1 ***              |  | 7      | 68.0 ***        |  | 7      | 10.8 ***    |  | 7      | 598                 |  |
| POSADA                 | 2r | 18     | 51.6 ***              |  | 18     | 67.4 ***        |  | 18     | 11.2 ***    |  | 18     | 577                 |  |
| SYN 409-221            | 2r | 7      | 50.8 ***              |  | 7      | 65.6 **         |  | 7      | 11.5 ***    |  | 7      | 587                 |  |
| GILDER                 | 2r | 7      | 49.1 ***              |  | 7      | 69.4 ***        |  | 7      | 11.0 ***    |  | 7      | 556                 |  |
| SHANNON                | 2r | 15     | 54.1 ***              |  | 15     | 66.7 ***        |  | 15     | 11.4 ***    |  | 15     | 586                 |  |
| KWS BAMBINA            | 2r | 14     | 51.1 ***              |  | 14     | 67.8 ***        |  | 14     | 11.7 ***    |  | 14     | 575                 |  |
| TOCADA                 | 2r | 36     | 52.8 ***              |  | 36     | 66.6 ***        |  | 36     | 11.3 ***    |  | 36     | 570                 |  |
| OPTIMA                 | 2r | 5      | 44.4 **               |  | 5      | 66.5 ***        |  | 5      | 11.8 **     |  | 5      | 483 ***             |  |
| PROPINO                | 2r | 18     | 53.2 ***              |  | 18     | 66.5 ***        |  | 18     | 11.4 ***    |  | 18     | 572                 |  |
| CROPTON                | 2r | 14     | 50.5 ***              |  | 14     | 68.8 ***        |  | 14     | 11.5 ***    |  | 14     | 580                 |  |
| SE 208/08              | 2r | 2      | 53.1 ***              |  | 2      | 70.2 ***        |  | 2      | 11.7 *      |  | 2      | 613                 |  |
| JUSTINA                | 2r | 29     | 50.5 ***              |  | 29     | 67.7 ***        |  | 29     | 11.3 ***    |  | 29     | 572                 |  |
| STRG 750/09            | 2r | 3      | 47.7 ***              |  | 3      | 66.9 ***        |  | 3      | 11.4 ***    |  | 3      | 541                 |  |
| SYN 408-197            | 2r | 7      | 53.0 ***              |  | 7      | 67.8 ***        |  | 7      | 11.3 ***    |  | 7      | 632 **              |  |
| SCRABBLE               | 2r | 14     | 54.2 ***              |  | 14     | 68.1 ***        |  | 14     | 12.2        |  | 14     | 630 ***             |  |
| NORD 09/2421 (GS 2563) | 2r | 3      | 53.6 ***              |  | 3      | 67.8 ***        |  | 3      | 11.6 **     |  | 3      | 620                 |  |
| NFC TIPPLE             | 2r | 26     | 53.1 ***              |  | 26     | 67.0 ***        |  | 26     | 10.8 ***    |  | 26     | 540 ***             |  |
| PUBLICAN               | 2r | 22     | 51.1 ***              |  | 22     | 67.8 ***        |  | 22     | 11.4 ***    |  | 22     | 561 o               |  |
| QUENCH                 | 2r | 22     | 48.7 ***              |  | 22     | 67.4 ***        |  | 22     | 11.2 ***    |  | 22     | 568                 |  |

## Ohra, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    | Vyöhyke I |                          |                | Vyöhyke II |                           |                | Vyöhyke III |                            |                | Vyöhyke IV |                           |                |
|-----------|-----------|--------------------------|----------------|------------|---------------------------|----------------|-------------|----------------------------|----------------|------------|---------------------------|----------------|
|           | kpl       | Sato<br>kg/ha            | Suhde-<br>luku | kpl        | Sato<br>kg/ha             | Suhde-<br>luku | kpl         | Sato<br>kg/ha              | Suhde-<br>luku | kpl        | Sato<br>kg/ha             | Suhde-<br>luku |
| Variety   | trials    | Zone I<br>Yield<br>kg/ha | rel.           | trials     | Zone II<br>Yield<br>kg/ha | rel.           | trials      | Zone III<br>Yield<br>kg/ha | rel.           | trials     | Zone IV<br>Yield<br>kg/ha | rel.           |
| VILDE     | 6r =C 8   | 4818                     | 100            | 12         | 5683                      | 100            | 21          | 5655                       | 100            | 10         | 5681                      | 100            |
| ARTTURI   | 6r 1      | 4846                     | 101            | 3          | 5354                      | 94             | 3           | 5195                       | 92 o           | 4          | 5203                      | 92 *           |
| VOITTO    | 6r 3      | 4489                     | 93             | 8          | 5580                      | 98             | 9           | 4743                       | 84 ***         | 9          | 5328                      | 94 o           |
| ROLFI     | 6r 20     | 4581                     | 95             | 25         | 5529                      | 97             | 38          | 4857                       | 86 ***         | 16         | 5208                      | 92 **          |
| PILVI     | 6r 3      | 4480                     | 93             | 8          | 5313                      | 93 o           | 9           | 4781                       | 85 ***         | 9          | 5144                      | 91 **          |
| AUKUSTI   | 6r 2      | 5111                     | 106            | 6          | 6299                      | 111 **         | 8           | 5732                       | 101            | 6          | 5780                      | 102            |
| WOLMARI   | 6r 2      | 4730                     | 98             | 6          | 6490                      | 114 ***        | 8           | 5669                       | 100            | 6          | 5917                      | 104            |
| TIRIL     | 6r 2      | 4893                     | 102            | 10         | 5847                      | 103            | 14          | 5059                       | 89 ***         | 12         | 5568                      | 98             |
| BOR 07533 | 6r 2      | 5176                     | 107            | 4          | 6292                      | 111 *          | 8           | 5369                       | 95 o           | 4          | 6094                      | 107 o          |
| GAUTE     | 6r 2      | 5287                     | 110 o          | 1          | 6590                      | 116 o          | 3           | 5341                       | 94             | 2          | 5382                      | 95             |
| ALTTI     | 6r 2      | 4783                     | 99             | 6          | 6218                      | 109 *          | 11          | 5357                       | 95 *           | 6          | 5874                      | 103            |
| TRYM      | 6r 2      | 5456                     | 113 *          | 4          | 5891                      | 104            | 8           | 5826                       | 103            | 4          | 6125                      | 108 o          |
| OLAVI     | 6r 3      | 4812                     | 100            | 9          | 5521                      | 97             | 13          | 5149                       | 91 ***         | 6          | 5224                      | 92 *           |
| POLARTOP  | 6r 3      | 4403                     | 91 o           | 5          | 5402                      | 95             | 4           | 5169                       | 91 *           | 3          | 5403                      | 95             |
| JYVÄ      | 6r 1      | 4683                     | 97             | 6          | 5897                      | 104            | 7           | 5007                       | 89 ***         | 3          | 4898                      | 86 **          |
| ERKKI     | 6r 1      | 5320                     | 110            | 6          | 5662                      | 100            | 5           | 5278                       | 93 o           | 3          | 5524                      | 97             |
| BRAGE     | 6r 3      | 5813                     | 121 ***        | 5          | 6630                      | 117 ***        | 8           | 5702                       | 101            | 5          | 6303                      | 111 **         |
| EINAR     | 6r 2      | 5205                     | 108            | 11         | 6431                      | 113 ***        | 15          | 5531                       | 98             | 7          | 6004                      | 106            |
| EERIK     | 6r 2      | 4857                     | 101            | 5          | 5943                      | 105            | 8           | 5468                       | 97             | 5          | 5785                      | 102            |
| ELMERI    | 6r 2      | 5392                     | 112 *          | 8          | 6941                      | 122 ***        | 13          | 5489                       | 97             | 7          | 5667                      | 100            |
| BOR 09707 | 6r 1      | 5238                     | 109            | 2          | 5957                      | 105            | 4           | 5878                       | 104            | 2          | 6197                      | 109            |
| KUNNARI   | 6r 16     | 5049                     | 105            | 19         | 5702                      | 100            | 28          | 5461                       | 97 o           | 12         | 5841                      | 103            |
| EDEL      | 6r 5      | 5368                     | 111 **         | 4          | 5752                      | 101            | 9           | 5451                       | 96             | 2          | 5324                      | 94             |
| SAANA     | 2r 6      | 4638                     | 96             | 8          | 5135                      | 90 *           | 9           | 4507                       | 80 ***         |            |                           |                |
| EDVIN     | 6r 2      | 5497                     | 114 *          | 8          | 6660                      | 117 ***        | 12          | 5656                       | 100            | 7          | 5907                      | 104            |
| RAGNA     | 6r 2      | 5191                     | 108            | 4          | 6642                      | 117 ***        | 8           | 6054                       | 107 *          | 4          | 5944                      | 105            |
| BOR 09704 | 6r 1      | 5559                     | 115 o          | 2          | 6873                      | 121 ***        | 4           | 5502                       | 97             | 2          | 6197                      | 109            |

## Ohra, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike                  |        | Vyöhyke I                |               |                |        | Vyöhyke II                |               |                |        | Vyöhyke III                |               |                |        | Vyöhyke IV                |               |                |
|-------------------------|--------|--------------------------|---------------|----------------|--------|---------------------------|---------------|----------------|--------|----------------------------|---------------|----------------|--------|---------------------------|---------------|----------------|
|                         |        | kpl                      | Sato<br>kg/ha | Suhde-<br>luku |        | kpl                       | Sato<br>kg/ha | Suhde-<br>luku |        | kpl                        | Sato<br>kg/ha | Suhde-<br>luku |        | kpl                       | Sato<br>kg/ha | Suhde-<br>luku |
| Variety                 | trials | Zone I<br>Yield<br>kg/ha | rel.          |                | trials | Zone II<br>Yield<br>kg/ha | rel.          |                | trials | Zone III<br>Yield<br>kg/ha | rel.          |                | trials | Zone IV<br>Yield<br>kg/ha | rel.          |                |
| SCARLETT                | 2r     | 37                       | 5117          | 106 *          | 25     | 5437                      | 96            |                | 22     | 4797                       | 85 ***        |                |        |                           |               |                |
| TORIA                   | 6r     | 3                        | 5544          | 115 **         | 6      | 6722                      | 118 ***       |                | 12     | 6220                       | 110 ***       |                | 6      | 6598                      | 116 ***       |                |
| MINTTU                  | 2r     | 7                        | 5407          | 112 **         | 6      | 5792                      | 102           |                | 6      | 5416                       | 96            |                |        |                           |               |                |
| MARGRET                 | 2r     | 6                        | 5095          | 106            | 5      | 5412                      | 95            |                | 2      | 4706                       | 83 **         |                |        |                           |               |                |
| AURIGA                  | 2r     | 5                        | 4855          | 101            | 5      | 5394                      | 95            |                | 3      | 4668                       | 83 ***        |                |        |                           |               |                |
| TOLKIEN                 | 2r     | 9                        | 5457          | 113 ***        | 5      | 5850                      | 103           |                | 3      | 5378                       | 95            |                |        |                           |               |                |
| ELISETA                 | 2r     | 12                       | 5569          | 116 ***        | 6      | 5803                      | 102           |                | 4      | 4977                       | 88 **         |                |        |                           |               |                |
| SW MITJA                | 2r     | 8                        | 5978          | 124 ***        | 4      | 6335                      | 111 *         |                | 3      | 5801                       | 103           |                |        |                           |               |                |
| RAMBLER                 | 2r     | 13                       | 5341          | 111 **         | 7      | 6075                      | 107 o         |                | 4      | 5301                       | 94            |                |        |                           |               |                |
| BRAEMAR                 | 2r     | 12                       | 5051          | 105            | 8      | 5515                      | 97            |                | 4      | 4636                       | 82 ***        |                |        |                           |               |                |
| MARTHE                  | 2r     | 15                       | 5446          | 113 ***        | 8      | 5771                      | 102           |                | 7      | 4990                       | 88 ***        |                |        |                           |               |                |
| XANADU                  | 2r     | 14                       | 5146          | 107 *          | 7      | 5956                      | 105           |                | 6      | 4906                       | 87 ***        |                |        |                           |               |                |
| STRG 752/09             | 2r     | 2                        | 5612          | 116 **         |        |                           |               |                |        |                            |               |                |        |                           |               |                |
| PRESTIGE                | 2r     | 5                        | 5007          | 104            | 3      | 5281                      | 93            |                | 2      | 4774                       | 84 **         |                |        |                           |               |                |
| IRON                    | 2r     | 12                       | 6173          | 128 ***        | 6      | 6553                      | 115 ***       |                | 4      | 5897                       | 104           |                |        |                           |               |                |
| MAAREN                  | 2r     | 10                       | 5251          | 109 *          | 5      | 5290                      | 93            |                | 5      | 5088                       | 90 **         |                |        |                           |               |                |
| INGMAR                  | 2r     | 12                       | 5449          | 113 ***        | 7      | 6052                      | 106           |                | 4      | 5198                       | 92 *          |                |        |                           |               |                |
| STREIF                  | 2r     | 14                       | 5823          | 121 ***        | 7      | 6595                      | 116 ***       |                | 5      | 5590                       | 99            |                |        |                           |               |                |
| NORD 08/2413            | 2r     | 4                        | 6285          | 130 ***        | 1      | 6572                      | 116 o         |                | 1      | 5401                       | 96            |                |        |                           |               |                |
| FAIRYTALE               | 2r     | 13                       | 6028          | 125 ***        | 7      | 6335                      | 111 **        |                | 4      | 5540                       | 98            |                |        |                           |               |                |
| CONCHITA                | 2r     | 12                       | 5648          | 117 ***        | 5      | 6151                      | 108 o         |                | 3      | 4993                       | 88 **         |                |        |                           |               |                |
| COLUMBUS                | 2r     | 8                        | 5961          | 124 ***        | 4      | 6310                      | 111 *         |                | 3      | 5020                       | 89 **         |                |        |                           |               |                |
| BARKE                   | 2r     | 4                        | 5119          | 106            | 4      | 5849                      | 103           |                | 2      | 4983                       | 88 *          |                |        |                           |               |                |
| ANNABELL                | 2r     | 35                       | 5473          | 114 ***        | 24     | 5650                      | 99            |                | 19     | 5184                       | 92 ***        |                |        |                           |               |                |
| CRUISER                 | 2r     | 8                        | 5094          | 106            | 6      | 5502                      | 97            |                | 3      | 5026                       | 89 **         |                |        |                           |               |                |
| SUNSHINE                | 2r     | 10                       | 5603          | 116 ***        | 5      | 5994                      | 105           |                | 4      | 5122                       | 91 *          |                |        |                           |               |                |
| EVERGREEN (PF 15020-56) | 2r     | 4                        | 5611          | 116 ***        | 2      | 6385                      | 112 *         |                | 2      | 5027                       | 89 *          |                |        |                           |               |                |

## Ohra, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike                 |    | kpl    | Vyöhyke I |         |    | kpl    | Vyöhyke II |        |      | kpl    | Vyöhyke III |        |   | kpl    | Vyöhyke IV |        |  |
|------------------------|----|--------|-----------|---------|----|--------|------------|--------|------|--------|-------------|--------|---|--------|------------|--------|--|
|                        |    |        | Sato      | Suhde-  |    |        | Sato       | Suhde- |      |        | Sato        | Suhde- |   |        | Sato       | Suhde- |  |
| Variety                |    | trials | Yield     | rel.    |    | trials | Yield      | rel.   |      | trials | Yield       | rel.   |   | trials | Yield      | rel.   |  |
|                        |    |        | kg/ha     |         |    |        | kg/ha      |        |      |        | kg/ha       |        |   |        | kg/ha      |        |  |
| OVERTURE (NSL07-8120A) | 2r | 4      | 6285      | 130 *** | 2  | 6270   | 110 o      | 2      | 4813 | 85 **  |             |        |   |        |            |        |  |
| JB MALTASIA            | 2r | 12     | 5382      | 112 *** | 6  | 6032   | 106        | 4      | 4920 | 87 *** |             |        |   |        |            |        |  |
| GRACE                  | 2r | 10     | 6020      | 125 *** | 5  | 6445   | 113 **     | 4      | 5595 | 99     |             |        |   |        |            |        |  |
| HARBINGER              | 2r | 13     | 5491      | 114 *** | 7  | 6127   | 108 *      | 4      | 5088 | 90 **  |             |        |   |        |            |        |  |
| AMBER                  | 2r | 12     | 5503      | 114 *** | 6  | 6063   | 107        | 4      | 5193 | 92 *   |             |        |   |        |            |        |  |
| BEATRIX                | 2r | 10     | 5684      | 118 *** | 6  | 5847   | 103        | 4      | 5548 | 98     |             |        |   |        |            |        |  |
| NORD 08/2530           | 2r | 3      | 6157      | 128 *** | 1  | 5800   | 102        | 1      | 4697 | 83 *   |             |        |   |        |            |        |  |
| ALINA                  | 2r | 4      | 5011      | 104     | 4  | 5308   | 93         | 2      | 4726 | 84 **  |             |        |   |        |            |        |  |
| TOLAR                  | 2r | 2      | 5139      | 107     | 2  | 5451   | 96         | 1      | 4938 | 87 o   |             |        |   |        |            |        |  |
| TREKKER                | 2r | 4      | 6340      | 132 *** | 2  | 6822   | 120 **     | 2      | 5417 | 96     |             |        |   |        |            |        |  |
| POSADA                 | 2r | 10     | 5909      | 123 *** | 5  | 6239   | 110 *      | 4      | 5378 | 95     |             |        |   |        |            |        |  |
| SYN 409-221            | 2r | 4      | 6112      | 127 *** | 2  | 5949   | 105        | 2      | 5038 | 89 *   |             |        |   |        |            |        |  |
| GILDER                 | 2r | 4      | 5914      | 123 *** | 2  | 5968   | 105        | 2      | 5084 | 90 *   |             |        |   |        |            |        |  |
| SHANNON                | 2r | 9      | 5892      | 122 *** | 4  | 6051   | 106        | 2      | 5755 | 102    |             |        |   |        |            |        |  |
| KWS BAMBINA            | 2r | 8      | 5485      | 114 *** | 4  | 6277   | 110 *      | 3      | 5277 | 93     |             |        |   |        |            |        |  |
| TOCADA                 | 2r | 17     | 5610      | 116 *** | 11 | 6244   | 110 **     | 8      | 5796 | 102    |             |        |   |        |            |        |  |
| OPTIMA                 | 2r | 2      | 4148      | 86 *    | 2  | 5142   | 90         | 1      | 5258 | 93     |             |        |   |        |            |        |  |
| PROPINO                | 2r | 10     | 5728      | 119 *** | 5  | 6172   | 109 *      | 4      | 5270 | 93 o   |             |        |   |        |            |        |  |
| CROPTON                | 2r | 8      | 5705      | 118 *** | 4  | 6193   | 109 o      | 2      | 5615 | 99     |             |        |   |        |            |        |  |
| SE 208/08              | 2r | 1      | 5745      | 119 *   |    |        |            | 1      | 5733 | 101    |             |        |   |        |            |        |  |
| JUSTINA                | 2r | 9      | 5583      | 116 *** | 9  | 6323   | 111 **     | 10     | 5645 | 100    |             |        | 1 | 6292   | 111        |        |  |
| STRG 750/09            | 2r | 2      | 5344      | 111 o   |    |        |            | 2      | 4902 | 87 **  |             |        |   |        |            |        |  |
| SYN 408-197            | 2r | 4      | 6469      | 134 *** | 2  | 6558   | 115 *      | 2      | 5818 | 103    |             |        |   |        |            |        |  |
| SCRABBLE               | 2r | 8      | 5960      | 124 *** | 4  | 6256   | 110 *      | 3      | 5373 | 95     |             |        |   |        |            |        |  |
| NORD 09/2421 (GS 2563) | 2r | 2      | 6155      | 128 *** |    |        |            | 2      | 5422 | 96     |             |        |   |        |            |        |  |
| NFC TIPPLE             | 2r | 13     | 5712      | 119 *** | 8  | 6069   | 107 o      | 5      | 5434 | 96     |             |        |   |        |            |        |  |
| PUBLICAN               | 2r | 12     | 5645      | 117 *** | 6  | 6056   | 107        | 4      | 5140 | 91 *   |             |        |   |        |            |        |  |
| QUENCH                 | 2r | 12     | 5807      | 121 *** | 6  | 6331   | 111 **     | 4      | 5244 | 93 o   |             |        |   |        |            |        |  |

## Ohra, 2004-2011, Viralliset kokeet: Luokittelu vuosittain

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials: Classification according to year

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    |       | kpl    | Vuosi 2008 | Suhde- |     | kpl    | Vuosi 2009 | Suhde- |     | kpl    | Vuosi 2010 | Suhde- |     | kpl    | Vuosi 2011 | Suhde- |
|-----------|-------|--------|------------|--------|-----|--------|------------|--------|-----|--------|------------|--------|-----|--------|------------|--------|
|           |       |        | kg/ha      | luku   |     |        | kg/ha      | luku   |     |        | kg/ha      | luku   |     |        | kg/ha      | luku   |
| Variety   |       | trials | Year 2008  | rel.   |     | trials | Year 2009  | rel.   |     | trials | Year 2010  | rel.   |     | trials | Year 2011  | rel.   |
|           |       |        | kg/ha      |        |     |        | kg/ha      |        |     |        | kg/ha      |        |     |        | kg/ha      |        |
| VILDE     | 6r =C | 3      | 6085       | 100    |     | 3      | 6174       | 100    |     | 12     | 4756       | 100    |     | 12     | 5119       | 100    |
| ARTTURI   | 6r    | 3      | 5222       | 86     | *   |        |            |        |     |        |            |        |     |        |            |        |
| VOITTO    | 6r    | 3      | 5368       | 88     | *   | 4      | 5837       | 95     |     | 4      | 4684       | 98     |     |        |            |        |
| ROLFI     | 6r    | 11     | 5203       | 86     | **  | 12     | 5643       | 91     | *   | 12     | 4885       | 103    |     | 12     | 4569       | 89     |
| PILVI     | 6r    | 4      | 5003       | 82     | *** | 4      | 5267       | 85     | *** |        |            |        |     |        |            |        |
| AUKUSTI   | 6r    | 8      | 5972       | 98     |     | 9      | 6356       | 103    |     | 3      | 5083       | 107    |     | 2      | 5545       | 108    |
| WOLMARI   | 6r    | 8      | 5955       | 98     |     | 9      | 6430       | 104    |     | 3      | 5158       | 108    | *   | 2      | 5524       | 108    |
| TIRIL     | 6r    | 4      | 5758       | 95     |     | 4      | 5948       | 96     |     | 4      | 4708       | 99     |     |        |            |        |
| BOR 07533 | 6r    |        |            |        |     |        |            |        |     | 9      | 5198       | 109    | **  | 9      | 5369       | 105    |
| GAUTE     | 6r    |        |            |        |     |        |            |        |     |        |            |        |     |        |            |        |
| ALTTI     | 6r    | 8      | 5631       | 93     |     | 5      | 6258       | 101    |     | 3      | 5481       | 115    | *** |        |            |        |
| TRYM      | 6r    |        |            |        |     |        |            |        |     | 9      | 5387       | 113    | *** | 9      | 5484       | 107    |
| OLAVI     | 6r    | 3      | 5094       | 84     | **  | 3      | 5824       | 94     |     |        |            |        |     |        |            |        |
| POLARTOP  | 6r    | 3      | 5089       | 84     | **  |        |            |        |     |        |            |        |     |        |            |        |
| JYVÄ      | 6r    | 4      | 5073       | 83     | **  |        |            |        |     |        |            |        |     |        |            |        |
| ERKKI     | 6r    | 3      | 5232       | 86     | *   |        |            |        |     |        |            |        |     |        |            |        |
| BRAGE     | 6r    | 8      | 6115       | 100    |     | 9      | 6607       | 107    | o   | 4      | 5863       | 123    | *** |        |            |        |
| EINAR     | 6r    | 3      | 6111       | 100    |     | 3      | 6671       | 108    | o   | 3      | 5350       | 112    | **  | 2      | 5533       | 108    |
| EERIK     | 6r    | 8      | 5578       | 92     | o   | 3      | 6276       | 102    |     |        |            |        |     |        |            |        |
| ELMERI    | 6r    | 3      | 5861       | 96     |     | 4      | 6946       | 113    | **  | 3      | 5496       | 116    | *** | 2      | 6469       | 126    |
| BOR 09707 | 6r    |        |            |        |     |        |            |        |     |        |            |        |     | 9      | 5546       | 108    |
| KUNNARI   | 6r    | 11     | 5422       | 89     | *   | 12     | 6224       | 101    |     |        |            |        |     |        |            |        |
| EDEL      | 6r    | 1      | 5921       | 97     |     | 1      | 6144       | 100    |     | 1      | 6475       | 136    | *** | 1      | 4981       | 97     |
| SAANA     | 2r    | 3      | 4599       | 76     | *** |        |            |        |     |        |            |        |     |        |            |        |
| EDVIN     | 6r    | 3      | 5337       | 88     | *   | 3      | 6812       | 110    | *   | 3      | 5464       | 115    | *** | 2      | 5502       | 107    |
| RAGNA     | 6r    |        |            |        |     |        |            |        |     | 9      | 5452       | 115    | *** | 9      | 5815       | 114    |
| BOR 09704 | 6r    |        |            |        |     |        |            |        |     |        |            |        |     | 9      | 5618       | 110    |

**Ohra, 2004-2011, Viralliset kokeet: Luokittelu vuosittain**Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials: Classification according to year

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike                  |    | kpl    | Vuosi 2008 | Suhde- |    | kpl    | Vuosi 2009 | Suhde- |  | kpl    | Vuosi 2010 | Suhde-  |  | kpl    | Vuosi 2011 | Suhde-  |
|-------------------------|----|--------|------------|--------|----|--------|------------|--------|--|--------|------------|---------|--|--------|------------|---------|
|                         |    |        | kg/ha      | luku   |    |        | kg/ha      | luku   |  |        | kg/ha      | luku    |  |        | kg/ha      | luku    |
| Variety                 |    | trials | Year 2008  | rel.   |    | trials | Year 2009  | rel.   |  | trials | Year 2010  | rel.    |  | trials | Year 2011  | rel.    |
|                         |    |        | kg/ha      |        |    |        | kg/ha      |        |  |        | kg/ha      |         |  |        | kg/ha      |         |
| SCARLETT                | 2r | 10     | 5127       | 84 *** | 10 | 5867   | 95         |        |  | 9      | 4741       | 100     |  | 11     | 4375       | 85 ***  |
| TORIA                   | 6r |        |            |        | 9  | 6826   | 111 **     |        |  | 9      | 5621       | 118 *** |  | 9      | 6328       | 124 *** |
| MINTTU                  | 2r | 3      | 5716       | 94     | 4  | 6269   | 102        |        |  |        |            |         |  |        |            |         |
| MARGRET                 | 2r |        |            |        |    |        |            |        |  |        |            |         |  |        |            |         |
| AURIGA                  | 2r |        |            |        |    |        |            |        |  |        |            |         |  |        |            |         |
| TOLKIEN                 | 2r | 3      | 5893       | 97     |    |        |            |        |  |        |            |         |  |        |            |         |
| ELISETA                 | 2r | 7      | 5621       | 92     | 4  | 6090   | 99         |        |  | 4      | 5002       | 105     |  |        |            |         |
| SW MITJA                | 2r |        |            |        |    |        |            |        |  | 7      | 5430       | 114 *** |  | 8      | 5574       | 109 *   |
| RAMBLER                 | 2r | 7      | 5728       | 94     | 4  | 5914   | 96         |        |  | 4      | 4983       | 105     |  | 2      | 4786       | 93      |
| BRAEMAR                 | 2r |        |            |        |    |        |            |        |  |        |            |         |  |        |            |         |
| MARTHE                  | 2r | 4      | 5689       | 93     | 4  | 6152   | 100        |        |  | 4      | 4948       | 104     |  | 4      | 4532       | 89 *    |
| XANADU                  | 2r | 4      | 5619       | 92     | 3  | 5567   | 90 *       |        |  |        |            |         |  |        |            |         |
| STRG 752/09             | 2r |        |            |        |    |        |            |        |  |        |            |         |  | 2      | 5103       | 100     |
| PRESTIGE                | 2r | 2      | 5020       | 82 **  |    |        |            |        |  |        |            |         |  |        |            |         |
| IRON                    | 2r |        |            |        | 7  | 6667   | 108 *      |        |  | 7      | 5628       | 118 *** |  | 8      | 5883       | 115 *** |
| MAAREN                  | 2r | 3      | 5781       | 95     |    |        |            |        |  |        |            |         |  |        |            |         |
| INGMAR                  | 2r | 4      | 5345       | 88 *   |    |        |            |        |  |        |            |         |  |        |            |         |
| STREIF                  | 2r | 7      | 6211       | 102    | 4  | 6413   | 104        |        |  | 4      | 5313       | 112 **  |  | 4      | 5861       | 114 **  |
| NORD 08/2413            | 2r |        |            |        |    |        |            |        |  | 2      | 5801       | 122 *** |  | 4      | 5627       | 110 o   |
| FAIRYTALE               | 2r | 7      | 6049       | 99     | 4  | 6823   | 111 *      |        |  | 4      | 5496       | 116 *** |  | 2      | 5332       | 104     |
| CONCHITA                | 2r | 7      | 5815       | 96     | 4  | 6261   | 101        |        |  |        |            |         |  |        |            |         |
| COLUMBUS                | 2r |        |            |        |    |        |            |        |  | 7      | 5524       | 116 *** |  | 8      | 5169       | 101     |
| BARKE                   | 2r |        |            |        | 5  | 6131   | 99         |        |  | 5      | 4611       | 97      |  |        |            |         |
| ANNABELL                | 2r | 10     | 5349       | 88 *   | 10 | 6338   | 103        |        |  | 9      | 5099       | 107 *   |  | 11     | 4702       | 92 *    |
| CRUISER                 | 2r |        |            |        |    |        |            |        |  |        |            |         |  |        |            |         |
| SUNSHINE                | 2r |        |            |        | 7  | 6133   | 99         |        |  | 7      | 5157       | 108 **  |  | 5      | 5127       | 100     |
| EVERGREEN (PF 15020-56) | 2r |        |            |        |    |        |            |        |  |        |            |         |  | 8      | 5156       | 101     |

## Ohra, 2004-2011, Viralliset kokeet: Luokittelu vuosittain

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials: Classification according to year

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike                 |    | kpl    | Vuosi 2008 | Suhde- |   | kpl    | Vuosi 2009 | Suhde- |   | kpl    | Vuosi 2010 | Suhde- |     | kpl    | Vuosi 2011 | Suhde- |
|------------------------|----|--------|------------|--------|---|--------|------------|--------|---|--------|------------|--------|-----|--------|------------|--------|
|                        |    |        | kg/ha      | luku   |   |        | kg/ha      | luku   |   |        | kg/ha      | luku   |     |        | kg/ha      | luku   |
| Variety                |    | trials | Year 2008  | rel.   |   | trials | Year 2009  | rel.   |   | trials | Year 2010  | rel.   |     | trials | Year 2011  | rel.   |
|                        |    |        | kg/ha      |        |   |        | kg/ha      |        |   |        | kg/ha      |        |     |        | kg/ha      |        |
| OVERTURE (NSL07-8120A) | 2r |        |            |        |   |        |            |        |   |        |            |        |     | 8      | 5411       | 106    |
| JB MALTASIA            | 2r | 7      | 5654       | 93     |   | 4      | 6129       | 99     |   | 4      | 4497       | 95     |     |        |            |        |
| GRACE                  | 2r |        |            |        |   | 7      | 6703       | 109    | * | 7      | 5346       | 112    | *** | 5      | 5728       | 112    |
| HARBINGER              | 2r | 7      | 5667       | 93     |   | 4      | 6189       | 100    |   | 4      | 5126       | 108    | *   | 2      | 4986       | 97     |
| AMBER                  | 2r |        |            |        |   | 4      | 6175       | 100    |   | 4      | 5289       | 111    | **  |        |            |        |
| BEATRIX                | 2r |        |            |        |   |        |            |        |   |        |            |        |     |        |            |        |
| NORD 08/2530           | 2r |        |            |        |   |        |            |        |   | 2      | 5604       | 118    | *** | 3      | 5096       | 100    |
| ALINA                  | 2r |        |            |        |   |        |            |        |   |        |            |        |     |        |            |        |
| TOLAR                  | 2r |        |            |        |   |        |            |        |   |        |            |        |     |        |            |        |
| TREKKER                | 2r |        |            |        |   |        |            |        |   |        |            |        |     | 8      | 5727       | 112    |
| POSADA                 | 2r |        |            |        |   | 7      | 6650       | 108    | o | 7      | 5344       | 112    | *** | 5      | 5204       | 102    |
| SYN 409-221            | 2r |        |            |        |   |        |            |        |   |        |            |        |     | 8      | 5300       | 104    |
| GILDER                 | 2r |        |            |        |   |        |            |        |   |        |            |        |     | 8      | 5218       | 102    |
| SHANNON                | 2r |        |            |        |   | 7      | 6343       | 103    |   | 7      | 5476       | 115    | *** | 1      | 5633       | 110    |
| KWS BAMBINA            | 2r |        |            |        |   |        |            |        |   | 7      | 5211       | 110    | **  | 8      | 5047       | 99     |
| TOCADA                 | 2r | 4      | 5970       | 98     |   | 4      | 6498       | 105    |   | 2      | 5364       | 113    | *   |        |            |        |
| OPTIMA                 | 2r |        |            |        |   |        |            |        |   |        |            |        |     |        |            |        |
| PROPINO                | 2r |        |            |        |   | 7      | 6395       | 104    |   | 7      | 5093       | 107    | *   | 5      | 5397       | 105    |
| CROPTON                | 2r |        |            |        |   | 7      | 6348       | 103    |   | 7      | 5336       | 112    | *** |        |            |        |
| SE 208/08              | 2r |        |            |        |   |        |            |        |   |        |            |        |     | 2      | 5473       | 107    |
| JUSTINA                | 2r | 2      | 5519       | 91     |   |        |            |        |   |        |            |        |     |        |            |        |
| STRG 750/09            | 2r |        |            |        |   |        |            |        |   |        |            |        |     | 4      | 4858       | 95     |
| SYN 408-197            | 2r |        |            |        |   |        |            |        |   |        |            |        |     | 8      | 5826       | 114    |
| SCRABBLE               | 2r |        |            |        |   |        |            |        |   | 7      | 5110       | 107    | *   | 8      | 5636       | 110    |
| NORD 09/2421 (GS 2563) | 2r |        |            |        |   |        |            |        |   |        |            |        |     | 4      | 5523       | 108    |
| NFC TIPPLE             | 2r | 4      | 5902       | 97     |   | 4      | 6578       | 107    |   |        |            |        |     |        |            |        |
| PUBLICAN               | 2r | 4      | 5455       | 90     | o | 4      | 6136       | 99     |   |        |            |        |     |        |            |        |
| QUENCH                 | 2r | 4      | 5780       | 95     |   | 4      | 6361       | 103    |   |        |            |        |     |        |            |        |

## Ohra, 2004-2011, Viralliset kokeet: Luokittelu maalajeittain

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials: Classification according to soil types

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    |        | kpl | Karkeat        | Sato-      | Suhde-  | kpl    | Savimaat | Sato-      | Suhde-  | kpl    | Multamaat | Sato-      | Suhde-  | kpl    | Hapan maa   | Sato-      | Suhde- |
|-----------|--------|-----|----------------|------------|---------|--------|----------|------------|---------|--------|-----------|------------|---------|--------|-------------|------------|--------|
|           |        |     | kiv. maat      | ero        | luku    |        | kg/ha    | ero        | luku    |        | kg/ha     | ero        | luku    |        | kg/ha       | ero        | luku   |
| Variety   | trials |     | Coarse mineral | Yield      | rel.    | trials | Clay     | Yield      | rel.    | trials | Mould     | Yield      | rel.    | trials | Low pH soil | Yield      | rel.   |
|           |        |     | kg/ha          | difference |         |        | kg/ha    | difference |         |        | kg/ha     | difference |         |        | kg/ha       | difference |        |
| VILDE     | 6r =C  | 19  | 5628           | 0          | 100     | 24     | 5283     | 0          | 100     | 8      | 5849      | 0          | 100     | 4      | 3454        | 0          | 100    |
| ARTTURI   | 6r     | 4   | 5215           | -412       | 93 o    | 5      | 5052     | -230       | 96      | 2      | 4911      | -937       | 84 *    |        |             |            |        |
| VOITTO    | 6r     | 10  | 5317           | -310       | 94 o    | 13     | 4611     | -672       | 87 ***  | 6      | 5432      | -415       | 93      | 3      | 2849        | -604       | 82     |
| ROLFI     | 6r     | 33  | 5279           | -348       | 94 **   | 50     | 4643     | -639       | 88 ***  | 16     | 5480      | -368       | 94      | 6      | 3207        | -247       | 93     |
| PILVI     | 6r     | 16  | 5150           | -477       | 92 ***  | 10     | 4536     | -746       | 86 ***  | 3      | 5040      | -808       | 86 *    | 3      | 2779        | -675       | 80 o   |
| AUKUSTI   | 6r     | 10  | 5845           | 217        | 104     | 5      | 5413     | 130        | 102     | 7      | 6348      | 499        | 109 o   | 3      | 3200        | -253       | 93     |
| WOLMARI   | 6r     | 10  | 5952           | 324        | 106 *   | 5      | 5135     | -147       | 97      | 7      | 6494      | 646        | 111 *   | 3      | 3200        | -253       | 93     |
| TIRIL     | 6r     | 21  | 5563           | -64        | 99      | 13     | 4924     | -358       | 93 **   | 4      | 5611      | -236       | 96      | 3      | 3683        | 229        | 107    |
| BOR 07533 | 6r     | 6   | 5829           | 201        | 104     | 7      | 5468     | 185        | 104     | 5      | 6056      | 207        | 104     | 1      | 3485        | 30         | 101    |
| GAUTE     | 6r     | 3   | 5711           | 83         | 101     | 4      | 5184     | -98        | 98      | 1      | 5930      | 81         | 101     |        |             |            |        |
| ALTTI     | 6r     | 11  | 5755           | 127        | 102     | 8      | 5123     | -159       | 97      | 6      | 6234      | 385        | 107     | 3      | 2360        | -1094      | 68 **  |
| TRYM      | 6r     | 6   | 5996           | 368        | 107 o   | 7      | 5761     | 478        | 109 **  | 5      | 5992      | 144        | 102     | 1      | 4362        | 907        | 126    |
| OLAVI     | 6r     | 12  | 5347           | -281       | 95 o    | 12     | 4894     | -388       | 93 **   | 7      | 5526      | -321       | 94      | 3      | 2789        | -664       | 81     |
| POLARTOP  | 6r     | 4   | 5389           | -238       | 96      | 8      | 4782     | -500       | 91 **   | 3      | 5096      | -752       | 87 *    | 2      | 2442        | -1012      | 71 *   |
| JYVÄ      | 6r     | 6   | 5349           | -278       | 95      | 8      | 4864     | -418       | 92 **   | 3      | 5558      | -290       | 95      |        |             |            |        |
| ERKKI     | 6r     | 5   | 5422           | -206       | 96      | 7      | 5187     | -96        | 98      | 3      | 5532      | -316       | 95      |        |             |            |        |
| BRAGE     | 6r     | 9   | 6094           | 465        | 108 **  | 6      | 5794     | 511        | 110 **  | 6      | 6660      | 811        | 114 **  | 3      | 3367        | -87        | 97     |
| EINAR     | 6r     | 13  | 5894           | 266        | 105 o   | 13     | 5465     | 182        | 103     | 9      | 6322      | 473        | 108 o   | 4      | 3580        | 126        | 104    |
| EERI-K    | 6r     | 9   | 5699           | 71         | 101     | 7      | 5250     | -32        | 99      | 4      | 5980      | 131        | 102     | 2      | 2493        | -960       | 72 *   |
| ELMERI    | 6r     | 11  | 5679           | 51         | 101     | 11     | 5405     | 121        | 102     | 8      | 6861      | 1013       | 117 *** | 1      | 4060        | 605        | 118    |
| BOR 09707 | 6r     | 4   | 6189           | 561        | 110 *   | 3      | 5713     | 430        | 108 o   | 2      | 5881      | 32         | 101     |        |             |            |        |
| KUNNARI   | 6r     | 27  | 5628           | 0          | 100     | 37     | 5159     | -124       | 98      | 11     | 6033      | 185        | 103     | 5      | 3346        | -107       | 97     |
| EDEL      | 6r     | 5   | 5239           | -388       | 93 o    | 13     | 5315     | 32         | 101     | 2      | 6216      | 368        | 106     | 1      | 2950        | -504       | 85     |
| SAANA     | 2r     | 4   | 4708           | -919       | 84 ***  | 17     | 4561     | -722       | 86 ***  | 2      | 5127      | -720       | 88 o    | 1      | 2575        | -879       | 75     |
| EDVIN     | 6r     | 11  | 5950           | 322        | 106 *   | 11     | 5537     | 253        | 105 o   | 7      | 6555      | 706        | 112 *   | 3      | 1867        | -1587      | 54 *** |
| RAGNA     | 6r     | 6   | 6115           | 487        | 109 *   | 7      | 5856     | 573        | 111 *** | 5      | 6430      | 581        | 110 o   | 1      | 3210        | -244       | 93     |
| BOR 09704 | 6r     | 4   | 5948           | 319        | 106     | 3      | 5682     | 398        | 108 o   | 2      | 6736      | 887        | 115 *   |        |             |            |        |
| SCARLETT  | 2r     | 13  | 5306           | -322       | 94 *    | 64     | 4868     | -414       | 92 ***  | 7      | 5310      | -538       | 91 o    | 6      | 1155        | -2299      | 33 *** |
| TORIA     | 6r     | 10  | 6525           | 896        | 116 *** | 9      | 6106     | 823        | 116 *** | 8      | 6615      | 766        | 113 **  | 2      | 4457        | 1003       | 129 *  |



## Ohra, 2004-2011, Viralliset kokeet: Luokittelu maalajeittain

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials: Classification according to soil types

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike                     | kpl Karkeat<br>kiv. maat<br>kg/ha |    |                            |                     |        | Sato- Suhde-<br>ero luku |        |      |               |                     | kpl Savimaat<br>kg/ha |      |        |      |                | Sato- Suhde-<br>ero luku |      |  |        |      | kpl Multamaat<br>kg/ha |                     |      |  |        | Sato- Suhde-<br>ero luku |                      |                     |      |  | kpl Hapan maa<br>kg/ha |  |  |  |  | Sato- Suhde-<br>ero luku |  |  |  |  |
|----------------------------|-----------------------------------|----|----------------------------|---------------------|--------|--------------------------|--------|------|---------------|---------------------|-----------------------|------|--------|------|----------------|--------------------------|------|--|--------|------|------------------------|---------------------|------|--|--------|--------------------------|----------------------|---------------------|------|--|------------------------|--|--|--|--|--------------------------|--|--|--|--|
| Variety                    | trials                            |    | Coarse<br>mineral<br>kg/ha | Yield<br>difference | rel.   |                          | trials |      | Clay<br>kg/ha | Yield<br>difference | rel.                  |      | trials |      | Mould<br>kg/ha | Yield<br>difference      | rel. |  | trials |      | Low pH soil<br>kg/ha   | Yield<br>difference | rel. |  | trials |                          | Low pH soil<br>kg/ha | Yield<br>difference | rel. |  |                        |  |  |  |  |                          |  |  |  |  |
| MINTTU                     | 2r                                | 1  | 6192                       | 564                 | 110    |                          | 17     | 5258 | -24           | 100                 |                       |      | 1      | 6187 | 339            | 106                      |      |  | 2      | 1406 | -2048                  | 41                  | ***  |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| MARGRET                    | 2r                                | 3  | 5051                       | -576                | 90 *   | 10                       | 4958   | -324 | 94 *          |                     |                       |      |        |      |                |                          |      |  | 2      | 1322 | -2132                  | 38                  | ***  |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| AURIGA                     | 2r                                | 3  | 5284                       | -343                | 94     | 10                       | 4697   | -585 | 89 ***        |                     |                       |      |        |      |                |                          |      |  | 3      | 1152 | -2301                  | 33                  | ***  |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| TOLKIEN                    | 2r                                | 2  | 5465                       | -163                | 97     | 15                       | 5319   | 36   | 101           |                     |                       |      |        |      |                |                          |      |  | 2      | 1240 | -2213                  | 36                  | ***  |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| ELISETA                    | 2r                                | 2  | 5621                       | -6                  | 100    | 20                       | 5258   | -24  | 100           |                     |                       |      |        |      |                |                          |      |  | 3      | 1538 | -1915                  | 45                  | ***  |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| SW MITJA                   | 2r                                | 2  | 6187                       | 559                 | 110 o  | 13                       | 5744   | 461  | 109 ***       |                     |                       |      |        |      |                |                          |      |  | 1      | 2188 | -1266                  | 63                  | *    |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| RAMBLER                    | 2r                                | 2  | 5926                       | 297                 | 105    | 22                       | 5238   | -44  | 99            |                     |                       |      |        |      |                |                          |      |  | 3      | 1515 | -1939                  | 44                  | ***  |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| BRAEMAR                    | 2r                                | 4  | 5202                       | -425                | 92 o   | 20                       | 4886   | -396 | 92 **         |                     |                       |      |        |      |                |                          |      |  | 3      | 1416 | -2037                  | 41                  | ***  |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| MARTHE                     | 2r                                | 2  | 5350                       | -277                | 95     | 28                       | 5199   | -83  | 98            |                     |                       |      |        |      |                |                          |      |  | 4      | 1393 | -2060                  | 40                  | ***  |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| XANADU                     | 2r                                | 3  | 5831                       | 203                 | 104    | 23                       | 5022   | -260 | 95 *          | 1                   | 5764                  | -84  | 99     |      |                |                          |      |  | 3      | 2428 | -1025                  | 70                  | *    |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| STRG 752/09                | 2r                                |    |                            |                     |        | 2                        | 5344   | 61   | 101           |                     |                       |      |        |      |                |                          |      |  |        |      |                        |                     |      |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| PRESTIGE                   | 2r                                |    |                            |                     |        | 10                       | 4773   | -510 | 90 ***        |                     |                       |      |        |      |                |                          |      |  | 1      | 971  | -2483                  | 28                  | ***  |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| IRON                       | 2r                                | 3  | 6194                       | 566                 | 110 *  | 19                       | 5957   | 674  | 113 ***       |                     |                       |      |        |      |                |                          |      |  | 2      | 2112 | -1341                  | 61                  | **   |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| MAAREN                     | 2r                                | 2  | 4887                       | -740                | 87 *   | 18                       | 5064   | -219 | 96 o          |                     |                       |      |        |      |                |                          |      |  | 1      | 1156 | -2298                  | 33                  | ***  |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| INGMAR                     | 2r                                | 3  | 6216                       | 588                 | 110 *  | 20                       | 5262   | -20  | 100           |                     |                       |      |        |      |                |                          |      |  | 3      | 1005 | -2449                  | 29                  | ***  |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| STREIF                     | 2r                                | 2  | 6650                       | 1021                | 118 ** | 24                       | 5679   | 395  | 107 ***       |                     |                       |      |        |      |                |                          |      |  | 4      | 2908 | -546                   | 84                  |      |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| NORD 08/2413               | 2r                                |    |                            |                     |        | 6                        | 5938   | 654  | 112 ***       |                     |                       |      |        |      |                |                          |      |  | 1      | 1304 | -2150                  | 38                  | ***  |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| FAIRYTALE                  | 2r                                | 2  | 5878                       | 250                 | 104    | 22                       | 5774   | 491  | 109 ***       |                     |                       |      |        |      |                |                          |      |  | 3      | 1704 | -1750                  | 49                  | ***  |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| CONCHITA                   | 2r                                | 2  | 6004                       | 376                 | 107    | 18                       | 5388   | 105  | 102           |                     |                       |      |        |      |                |                          |      |  | 2      | 2210 | -1244                  | 64                  | **   |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| COLUMBUS                   | 2r                                | 2  | 5865                       | 237                 | 104    | 13                       | 5595   | 312  | 106 *         |                     |                       |      |        |      |                |                          |      |  | 1      | 1568 | -1886                  | 45                  | **   |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| BARKE                      | 2r                                | 2  | 5657                       | 28                  | 101    | 8                        | 5005   | -277 | 95 o          |                     |                       |      |        |      |                |                          |      |  |        |      |                        |                     |      |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| ANNABELL                   | 2r                                | 11 | 5129                       | -499                | 91 **  | 61                       | 5297   | 14   | 100           | 6                   | 5454                  | -394 | 93     |      |                |                          |      |  | 4      | 1569 | -1885                  | 45                  | ***  |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| CRUISER                    | 2r                                | 3  | 5388                       | -239                | 96     | 14                       | 4963   | -320 | 94 *          |                     |                       |      |        |      |                |                          |      |  | 3      | 1494 | -1959                  | 43                  | ***  |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| SUNSHINE                   | 2r                                | 2  | 5623                       | -5                  | 100    | 17                       | 5353   | 70   | 101           |                     |                       |      |        |      |                |                          |      |  | 2      | 2060 | -1393                  | 60                  | **   |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| EVERGREEN<br>(PF 15020-56) | 2r                                | 1  | 6048                       | 420                 | 107    | 7                        | 5352   | 68   | 101           |                     |                       |      |        |      |                |                          |      |  |        |      |                        |                     |      |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| OVERTURE<br>(NSL07-8120A)  | 2r                                | 1  | 5746                       | 118                 | 102    | 7                        | 5686   | 402  | 108 *         |                     |                       |      |        |      |                |                          |      |  |        |      |                        |                     |      |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |
| JB MALTASIA                | 2r                                | 2  | 6192                       | 564                 | 110 o  | 20                       | 5146   | -136 | 97            |                     |                       |      |        |      |                |                          |      |  | 3      | 1245 | -2208                  | 36                  | ***  |  |        |                          |                      |                     |      |  |                        |  |  |  |  |                          |  |  |  |  |

## Ohra, 2004-2011, Viralliset kokeet: Luokittelu maalajeittain

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials: Classification according to soil types

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike                    | kpl Karkeat<br>kiv. maat<br>kg/ha |                            |               | Sato- Suhde-<br>ero luku |               |               | kpl Savimaat<br>kg/ha |                |               | Sato- Suhde-<br>ero luku |                      |               | kpl Multamaat<br>kg/ha |                      |               | Sato- Suhde-<br>ero luku |                      |               | kpl Hapan maa<br>kg/ha |                      |               | Sato- Suhde-<br>ero luku |                      |               |
|---------------------------|-----------------------------------|----------------------------|---------------|--------------------------|---------------|---------------|-----------------------|----------------|---------------|--------------------------|----------------------|---------------|------------------------|----------------------|---------------|--------------------------|----------------------|---------------|------------------------|----------------------|---------------|--------------------------|----------------------|---------------|
| Variety                   | trials                            | Coarse<br>mineral<br>kg/ha | Yield<br>rel. | trials                   | Clay<br>kg/ha | Yield<br>rel. | trials                | Mould<br>kg/ha | Yield<br>rel. | trials                   | Low pH soil<br>kg/ha | Yield<br>rel. | trials                 | Low pH soil<br>kg/ha | Yield<br>rel. | trials                   | Low pH soil<br>kg/ha | Yield<br>rel. | trials                 | Low pH soil<br>kg/ha | Yield<br>rel. | trials                   | Low pH soil<br>kg/ha | Yield<br>rel. |
| GRACE                     | 2r                                | 2                          | 6154          | 526                      | 109           | o             | 17                    | 5780           | 496           | 109 ***                  |                      |               |                        |                      |               | 2                        | 1664                 | -1789         | 48 ***                 |                      |               |                          |                      |               |
| HARBINGER                 | 2r                                | 2                          | 5977          | 349                      | 106           |               | 22                    | 5299           | 16            | 100                      |                      |               |                        |                      |               | 3                        | 2512                 | -941          | 73 *                   |                      |               |                          |                      |               |
| AMBER                     | 2r                                | 2                          | 5794          | 166                      | 103           |               | 20                    | 5330           | 47            | 101                      |                      |               |                        |                      |               | 3                        | 1918                 | -1535         | 56 ***                 |                      |               |                          |                      |               |
| BEATRIX                   | 2r                                | 3                          | 5787          | 158                      | 103           |               | 17                    | 5466           | 183           | 103                      |                      |               |                        |                      |               | 1                        | 1566                 | -1887         | 45 **                  |                      |               |                          |                      |               |
| NORD 08/2530              | 2r                                |                            |               |                          |               |               | 5                     | 5552           | 269           | 105                      |                      |               |                        |                      |               | 1                        | 2645                 | -809          | 77                     |                      |               |                          |                      |               |
| ALINA                     | 2r                                | 2                          | 5176          | -451                     | 92            |               | 8                     | 4800           | -482          | 91 **                    |                      |               |                        |                      |               | 1                        | 1401                 | -2053         | 41 ***                 |                      |               |                          |                      |               |
| TOLAR                     | 2r                                | 1                          | 5299          | -328                     | 94            |               | 4                     | 4928           | -355          | 93 o                     |                      |               |                        |                      |               |                          |                      |               |                        |                      |               |                          |                      |               |
| TREKKER                   | 2r                                | 1                          | 6553          | 925                      | 116           | *             | 7                     | 5932           | 649           | 112 ***                  |                      |               |                        |                      |               |                          |                      |               |                        |                      |               |                          |                      |               |
| POSADA                    | 2r                                | 2                          | 6000          | 371                      | 107           |               | 17                    | 5621           | 338           | 106 **                   |                      |               |                        |                      |               | 2                        | 1809                 | -1644         | 52 ***                 |                      |               |                          |                      |               |
| SYN 409-221               | 2r                                | 1                          | 5557          | -70                      | 99            |               | 7                     | 5587           | 303           | 106 o                    |                      |               |                        |                      |               |                          |                      |               |                        |                      |               |                          |                      |               |
| GILDER                    | 2r                                | 1                          | 5813          | 185                      | 103           |               | 7                     | 5455           | 172           | 103                      |                      |               |                        |                      |               |                          |                      |               |                        |                      |               |                          |                      |               |
| SHANNON                   | 2r                                | 2                          | 5832          | 204                      | 104           |               | 13                    | 5641           | 358           | 107 **                   |                      |               |                        |                      |               | 2                        | 2154                 | -1299         | 62 **                  |                      |               |                          |                      |               |
| KWS BAMBINA               | 2r                                | 2                          | 6206          | 578                      | 110           | o             | 13                    | 5299           | 15            | 100                      |                      |               |                        |                      |               | 1                        | 1004                 | -2450         | 29 ***                 |                      |               |                          |                      |               |
| TOCADA                    | 2r                                | 4                          | 5946          | 317                      | 106           |               | 32                    | 5593           | 310           | 106 **                   |                      |               |                        |                      |               | 3                        | 1658                 | -1795         | 48 ***                 |                      |               |                          |                      |               |
| OPTIMA                    | 2r                                | 1                          | 5368          | -259                     | 95            |               | 4                     | 4340           | -942          | 82 ***                   |                      |               |                        |                      |               |                          |                      |               |                        |                      |               |                          |                      |               |
| PROPINO                   | 2r                                | 2                          | 6202          | 573                      | 110           | o             | 17                    | 5445           | 162           | 103                      |                      |               |                        |                      |               | 2                        | 2121                 | -1332         | 61 **                  |                      |               |                          |                      |               |
| CROPTON                   | 2r                                | 2                          | 6140          | 512                      | 109           |               | 12                    | 5491           | 208           | 104                      |                      |               |                        |                      |               | 2                        | 2033                 | -1420         | 59 **                  |                      |               |                          |                      |               |
| SE 208/08                 | 2r                                |                            |               |                          |               |               | 2                     | 5721           | 438           | 108                      |                      |               |                        |                      |               |                          |                      |               |                        |                      |               |                          |                      |               |
| JUSTINA                   | 2r                                | 7                          | 6056          | 428                      | 108           | *             | 20                    | 5585           | 302           | 106 *                    | 2                    | 6007          | 159                    | 103                  |               | 2                        | 1628                 | -1826         | 47 ***                 |                      |               |                          |                      |               |
| STRG 750/09               | 2r                                |                            |               |                          |               |               | 4                     | 5091           | -191          | 96                       |                      |               |                        |                      |               |                          |                      |               |                        |                      |               |                          |                      |               |
| SYN 408-197               | 2r                                | 1                          | 6231          | 603                      | 111           |               | 7                     | 6091           | 808           | 115 ***                  |                      |               |                        |                      |               |                          |                      |               |                        |                      |               |                          |                      |               |
| SCRABBLE                  | 2r                                | 2                          | 5961          | 333                      | 106           |               | 13                    | 5644           | 361           | 107 **                   |                      |               |                        |                      |               | 1                        | 1292                 | -2162         | 37 ***                 |                      |               |                          |                      |               |
| NORD 09/2421<br>(GS 2563) | 2r                                |                            |               |                          |               |               | 4                     | 5756           | 473           | 109 *                    |                      |               |                        |                      |               |                          |                      |               |                        |                      |               |                          |                      |               |
| NFC TIPPLE                | 2r                                | 3                          | 5780          | 152                      | 103           |               | 23                    | 5532           | 248           | 105 *                    |                      |               |                        |                      |               | 3                        | 1708                 | -1746         | 49 ***                 |                      |               |                          |                      |               |
| PUBLICAN                  | 2r                                | 2                          | 6041          | 413                      | 107           |               | 20                    | 5382           | 98            | 102                      |                      |               |                        |                      |               | 3                        | 2535                 | -918          | 73 *                   |                      |               |                          |                      |               |
| QUENCH                    | 2r                                | 2                          | 6560          | 932                      | 117           | **            | 20                    | 5530           | 247           | 105 *                    |                      |               |                        |                      |               | 3                        | 1635                 | -1818         | 47 ***                 |                      |               |                          |                      |               |

## Ohra, 2004-2011, Viralliset kokeet: Luokittelu satotason mukaan

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials: Classification according to average yield level of trial

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    |       | kpl    | Alhainen taso<br>kg/ha | Suhde-<br>luku |  | kpl    | Keskimääräinen taso<br>kg/ha | Suhde-<br>luku |  | kpl    | Korkea taso<br>kg/ha | Suhde-<br>luku |
|-----------|-------|--------|------------------------|----------------|--|--------|------------------------------|----------------|--|--------|----------------------|----------------|
| Variety   |       | trials | Low level<br>kg/ha     | rel.           |  | trials | Average level<br>kg/ha       | rel.           |  | trials | High level<br>kg/ha  | rel.           |
| VILDE     | 6r =C | 17     | 4122                   | 100            |  | 18     | 5439                         | 100            |  | 16     | 6725                 | 100            |
| ARTTURI   | 6r    | 1      | 3975                   | 96             |  | 4      | 5268                         | 97             |  | 6      | 6043                 | 90 **          |
| VOITTO    | 6r    | 4      | 3716                   | 90 o           |  | 9      | 5005                         | 92 **          |  | 16     | 6102                 | 91 ***         |
| ROLFI     | 6r    | 32     | 3722                   | 90 **          |  | 32     | 5008                         | 92 ***         |  | 35     | 6047                 | 90 ***         |
| PILVI     | 6r    | 7      | 3752                   | 91 o           |  | 11     | 5023                         | 92 **          |  | 11     | 5725                 | 85 ***         |
| AUKUSTI   | 6r    | 4      | 4484                   | 109            |  | 6      | 5874                         | 108 *          |  | 12     | 6720                 | 100            |
| WOLMARI   | 6r    | 4      | 4427                   | 107            |  | 6      | 5703                         | 105            |  | 12     | 6882                 | 102            |
| TIRIL     | 6r    | 10     | 4008                   | 97             |  | 15     | 5306                         | 98             |  | 13     | 6407                 | 95 *           |
| BOR 07533 | 6r    | 9      | 4475                   | 109 *          |  | 5      | 5635                         | 104            |  | 4      | 6581                 | 98             |
| GAUTE     | 6r    | 2      | 4238                   | 103            |  | 4      | 5574                         | 102            |  | 2      | 6374                 | 95             |
| ALTTI     | 6r    | 9      | 4116                   | 100            |  | 6      | 5414                         | 100            |  | 10     | 6847                 | 102            |
| TRYM      | 6r    | 9      | 4571                   | 111 *          |  | 5      | 5828                         | 107 *          |  | 4      | 6807                 | 101            |
| OLAVI     | 6r    | 6      | 3834                   | 93             |  | 12     | 5222                         | 96             |  | 13     | 6207                 | 92 **          |
| POLARTOP  | 6r    | 1      | 4014                   | 97             |  | 4      | 5070                         | 93 o           |  | 10     | 6100                 | 91 ***         |
| JYVÄ      | 6r    | 1      | 3865                   | 94             |  | 7      | 5084                         | 93 *           |  | 9      | 6315                 | 94 *           |
| ERKKI     | 6r    | 1      | 4138                   | 100            |  | 5      | 5431                         | 100            |  | 9      | 6367                 | 95 *           |
| BRAGE     | 6r    | 4      | 4870                   | 118 **         |  | 6      | 5748                         | 106 o          |  | 11     | 7203                 | 107 **         |
| EINAR     | 6r    | 10     | 4390                   | 107            |  | 8      | 5670                         | 104            |  | 17     | 6987                 | 104 o          |
| EERIK     | 6r    | 9      | 4133                   | 100            |  | 4      | 5519                         | 101            |  | 7      | 6704                 | 100            |
| ELMERI    | 6r    | 9      | 4463                   | 108 o          |  | 7      | 5674                         | 104            |  | 14     | 7014                 | 104 o          |
| BOR 09707 | 6r    | 6      | 4517                   | 110 o          |  | 2      | 5798                         | 107            |  | 1      | 7100                 | 106            |
| KUNNARI   | 6r    | 21     | 4062                   | 99             |  | 24     | 5465                         | 100            |  | 30     | 6615                 | 98             |
| EDEL      | 6r    | 7      | 3948                   | 96             |  | 6      | 5364                         | 99             |  | 7      | 6926                 | 103            |
| SAANA     | 2r    | 5      | 3449                   | 84 **          |  | 12     | 4619                         | 85 ***         |  | 6      | 6133                 | 91 **          |
| EDVIN     | 6r    | 9      | 4444                   | 108 o          |  | 6      | 5635                         | 104            |  | 14     | 7174                 | 107 **         |
| RAGNA     | 6r    | 9      | 4734                   | 115 ***        |  | 5      | 5858                         | 108 *          |  | 4      | 7295                 | 108 *          |
| BOR 09704 | 6r    | 6      | 4620                   | 112 *          |  | 2      | 5837                         | 107            |  | 1      | 7055                 | 105            |
| SCARLETT  | 2r    | 26     | 3787                   | 92 *           |  | 33     | 5118                         | 94 **          |  | 25     | 6197                 | 92 ***         |
| TORIA     | 6r    | 10     | 5172                   | 125 ***        |  | 7      | 6311                         | 116 ***        |  | 10     | 7176                 | 107 *          |

**Ohra, 2004-2011, Viralliset kokeet: Luokittelu satotason mukaan**Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials: Classification according to average yield level of trial

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike                  | kpl    | Alhainen taso<br>kg/ha | Suhde-<br>luku | kpl    | Keskimääräinen taso<br>kg/ha | Suhde-<br>luku | kpl    | Korkea taso<br>kg/ha | Suhde-<br>luku |
|-------------------------|--------|------------------------|----------------|--------|------------------------------|----------------|--------|----------------------|----------------|
| Variety                 | trials | Low level<br>kg/ha     | rel.           | trials | Average level<br>kg/ha       | rel.           | trials | High level<br>kg/ha  | rel.           |
| MINTTU                  | 2r 6   | 3977                   | 96             | 6      | 5599                         | 103            | 7      | 6817                 | 101            |
| MARGRET                 | 2r 1   | 3547                   | 86             | 5      | 4923                         | 91 **          | 7      | 6473                 | 96             |
| AURIGA                  | 2r 3   | 3712                   | 90             | 6      | 4912                         | 90 **          | 4      | 6224                 | 93 *           |
| TOLKIEN                 | 2r 8   | 4032                   | 98             | 7      | 5657                         | 104            | 2      | 6961                 | 104            |
| ELISETA                 | 2r 9   | 4356                   | 106            | 8      | 5452                         | 100            | 5      | 6310                 | 94 o           |
| SW MITJA                | 2r 5   | 4575                   | 111 *          | 9      | 6095                         | 112 ***        | 1      | 6883                 | 102            |
| RAMBLER                 | 2r 9   | 4363                   | 106            | 10     | 5434                         | 100            | 5      | 6422                 | 95             |
| BRAEMAR                 | 2r 7   | 3817                   | 93             | 10     | 5041                         | 93 **          | 7      | 6371                 | 95 o           |
| MARTHE                  | 2r 11  | 4210                   | 102            | 12     | 5377                         | 99             | 7      | 6507                 | 97             |
| XANADU                  | 2r 10  | 3861                   | 94             | 8      | 5474                         | 101            | 9      | 6464                 | 96             |
| STRG 752/09             | 2r     |                        |                | 2      | 5689                         | 105            |        |                      |                |
| PRESTIGE                | 2r 4   | 3626                   | 88 *           | 6      | 5097                         | 94 o           |        |                      |                |
| IRON                    | 2r 6   | 4686                   | 114 **         | 10     | 6389                         | 117 ***        | 6      | 7090                 | 105 o          |
| MAAREN                  | 2r 4   | 4158                   | 101            | 10     | 5323                         | 98             | 6      | 6162                 | 92 **          |
| INGMAR                  | 2r 9   | 4173                   | 101            | 7      | 5505                         | 101            | 7      | 6918                 | 103            |
| STREIF                  | 2r 10  | 4510                   | 109 *          | 11     | 6158                         | 113 ***        | 5      | 6914                 | 103            |
| NORD 08/2413            | 2r 1   | 4682                   | 114            | 5      | 6292                         | 116 ***        |        |                      |                |
| FAIRYTALE               | 2r 9   | 4726                   | 115 **         | 10     | 5920                         | 109 **         | 5      | 7138                 | 106 o          |
| CONCHITA                | 2r 9   | 4367                   | 106            | 7      | 5578                         | 103            | 4      | 6778                 | 101            |
| COLUMBUS                | 2r 5   | 4324                   | 105            | 9      | 5969                         | 110 **         | 1      | 6696                 | 100            |
| BARKE                   | 2r 3   | 3818                   | 93             | 3      | 5276                         | 97             | 4      | 6496                 | 97             |
| ANNABELL                | 2r 25  | 4142                   | 101            | 30     | 5448                         | 100            | 23     | 6473                 | 96 o           |
| CRUISER                 | 2r 3   | 3979                   | 97             | 7      | 5240                         | 96             | 7      | 6311                 | 94 *           |
| SUNSHINE                | 2r 5   | 4152                   | 101            | 8      | 5675                         | 104            | 6      | 6609                 | 98             |
| EVERGREEN (PF 15020-56) | 2r 2   | 4087                   | 99             | 6      | 5770                         | 106 o          |        |                      |                |
| OVERTURE (NSL07-8120A)  | 2r 2   | 4001                   | 97             | 6      | 6138                         | 113 ***        |        |                      |                |
| JB MALTASIA             | 2r 9   | 4114                   | 100            | 8      | 5464                         | 100            | 5      | 6508                 | 97             |

## Ohra, 2004-2011, Viralliset kokeet: Luokittelu satotason mukaan

Barley, *Hordeum vulgare* L., 2004-2011, Official variety trials: Classification according to average yield level of trial

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike                 |    | kpl    | Alhainen taso<br>kg/ha | Suhde-<br>luku |  | kpl    | Keskimääräinen taso<br>kg/ha | Suhde-<br>luku |  | kpl    | Korkea taso<br>kg/ha | Suhde-<br>luku |
|------------------------|----|--------|------------------------|----------------|--|--------|------------------------------|----------------|--|--------|----------------------|----------------|
| Variety                |    | trials | Low level<br>kg/ha     | rel.           |  | trials | Average level<br>kg/ha       | rel.           |  | trials | High level<br>kg/ha  | rel.           |
| GRACE                  | 2r | 5      | 4413                   | 107            |  | 8      | 6183                         | 114 ***        |  | 6      | 7102                 | 106 o          |
| HARBINGER              | 2r | 9      | 4312                   | 105            |  | 10     | 5494                         | 101            |  | 5      | 6685                 | 99             |
| AMBER                  | 2r | 11     | 4259                   | 103            |  | 7      | 5544                         | 102            |  | 4      | 6706                 | 100            |
| BEATRIX                | 2r | 8      | 4227                   | 103            |  | 6      | 5974                         | 110 **         |  | 6      | 6776                 | 101            |
| NORD 08/2530           | 2r | 1      | 4368                   | 106            |  | 4      | 5892                         | 108 *          |  |        |                      |                |
| ALINA                  | 2r | 1      | 3613                   | 88             |  | 4      | 5055                         | 93 o           |  | 5      | 6210                 | 92 *           |
| TOLAR                  | 2r |        |                        |                |  | 4      | 5207                         | 96             |  | 1      | 6231                 | 93             |
| TREKKER                | 2r | 2      | 4664                   | 113 o          |  | 6      | 6339                         | 117 ***        |  |        |                      |                |
| POSADA                 | 2r | 5      | 4370                   | 106            |  | 8      | 5836                         | 107 *          |  | 6      | 7098                 | 106 o          |
| SYN 409-221            | 2r | 2      | 3999                   | 97             |  | 6      | 5992                         | 110 **         |  |        |                      |                |
| GILDER                 | 2r | 2      | 4159                   | 101            |  | 6      | 5828                         | 107 *          |  |        |                      |                |
| SHANNON                | 2r | 4      | 4527                   | 110            |  | 5      | 5987                         | 110 **         |  | 6      | 6799                 | 101            |
| KWS BAMBINA            | 2r | 5      | 4320                   | 105            |  | 9      | 5582                         | 103            |  | 1      | 7027                 | 104            |
| TOCADA                 | 2r | 9      | 4333                   | 105            |  | 16     | 5921                         | 109 ***        |  | 11     | 7005                 | 104            |
| OPTIMA                 | 2r |        |                        |                |  | 4      | 4861                         | 89 **          |  | 1      | 5336                 | 79 **          |
| PROPINO                | 2r | 5      | 4139                   | 100            |  | 8      | 5836                         | 107 *          |  | 6      | 6862                 | 102            |
| CROPTON                | 2r | 4      | 4278                   | 104            |  | 4      | 5859                         | 108 o          |  | 6      | 6854                 | 102            |
| SE 208/08              | 2r |        |                        |                |  | 2      | 6045                         | 111 *          |  |        |                      |                |
| JUSTINA                | 2r | 7      | 4332                   | 105            |  | 16     | 5884                         | 108 ***        |  | 6      | 7083                 | 105 o          |
| STRG 750/09            | 2r | 1      | 3651                   | 89             |  | 3      | 5489                         | 101            |  |        |                      |                |
| SYN 408-197            | 2r | 2      | 4641                   | 113            |  | 6      | 6479                         | 119 ***        |  |        |                      |                |
| SCRABBLE               | 2r | 5      | 4161                   | 101            |  | 9      | 6142                         | 113 ***        |  | 1      | 6784                 | 101            |
| NORD 09/2421 (GS 2563) | 2r | 1      | 4272                   | 104            |  | 3      | 6169                         | 113 **         |  |        |                      |                |
| NFC TIPPLE             | 2r | 10     | 4361                   | 106            |  | 7      | 5872                         | 108 *          |  | 9      | 6888                 | 102            |
| PUBLICAN               | 2r | 10     | 4475                   | 109 o          |  | 8      | 5599                         | 103            |  | 4      | 6504                 | 97             |
| QUENCH                 | 2r | 10     | 4520                   | 110 *          |  | 8      | 5873                         | 108 **         |  | 4      | 6845                 | 102            |

## Kaura, 2004-2011, Viralliset kokeet

Oats, *Avena sativa* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    | kpl    | Sato<br>kg/ha  | Sato-<br>ero        | Suhde-<br>luku | kpl    | Kasvuaika<br>pv   | kpl    | Lämpö-<br>summa    | kpl    | Lako-<br>%    | kpl    | Pituus<br>cm |
|-----------|--------|----------------|---------------------|----------------|--------|-------------------|--------|--------------------|--------|---------------|--------|--------------|
| Variety   | trials | Yield<br>kg/ha | Yield<br>difference | rel.           | trials | Growing<br>time d | trials | Temperature<br>sum | trials | Lodging-<br>% | trials | Lenght<br>cm |
| BELINDA   | =C 70  | 6189           | 0                   | 100            | 63     | 104.4             | 55     | 1005               | 47     | 31            | 70     | 89           |
| EEMELI    | 76     | 5164           | -1024               | 83 ***         | 69     | 93.9 ***          | 63     | 898 ***            | 44     | 23 **         | 75     | 87 ***       |
| BOR 07011 | 8      | 5559           | -629                | 90 ***         | 7      | 94.6 ***          | 7      | 911 ***            | 5      | 20 o          | 8      | 84 ***       |
| BOR 07015 | 8      | 5427           | -761                | 88 ***         | 7      | 94.6 ***          | 7      | 909 ***            | 5      | 25            | 8      | 88           |
| ASLAK     | 17     | 5468           | -720                | 88 ***         | 17     | 94.7 ***          | 17     | 908 ***            | 10     | 34            | 17     | 88 o         |
| SOFIINA   | 27     | 5472           | -716                | 88 ***         | 26     | 94.7 ***          | 25     | 911 ***            | 17     | 26            | 27     | 90 o         |
| VELI      | 50     | 5069           | -1119               | 82 ***         | 51     | 95.5 ***          | 47     | 912 ***            | 33     | 52 ***        | 51     | 100 ***      |
| AARRE     | 15     | 5221           | -968                | 84 ***         | 15     | 95.6 ***          | 15     | 918 ***            | 9      | 50 ***        | 15     | 105 ***      |
| AKSELI    | 29     | 5889           | -299                | 95 ***         | 28     | 95.9 ***          | 27     | 920 ***            | 19     | 20 **         | 29     | 88 o         |
| SW VAASA  | 22     | 5392           | -796                | 87 ***         | 22     | 96.4 ***          | 20     | 920 ***            | 15     | 34            | 22     | 93 ***       |
| VENLA     | 39     | 5414           | -774                | 87 ***         | 39     | 96.5 ***          | 37     | 925 ***            | 25     | 37 o          | 39     | 94 ***       |
| PEPPI     | 42     | 5246           | -942                | 85 ***         | 42     | 97.1 ***          | 40     | 931 ***            | 31     | 31            | 42     | 85 ***       |
| MARIKA    | 39     | 5560           | -628                | 90 ***         | 39     | 97.2 ***          | 37     | 928 ***            | 20     | 35            | 39     | 90           |
| FIIA      | 25     | 5429           | -759                | 88 ***         | 25     | 97.4 ***          | 24     | 935 ***            | 18     | 29            | 25     | 90 *         |
| BOR 05034 | 17     | 5735           | -453                | 93 ***         | 15     | 97.7 ***          | 15     | 941 ***            | 8      | 25            | 16     | 87 **        |
| RINGSAKER | 36     | 6040           | -148                | 98 o           | 36     | 98.9 ***          | 34     | 948 ***            | 19     | 38 *          | 36     | 91 ***       |
| ROOPE     | 85     | 5918           | -270                | 96 ***         | 82     | 99.4 ***          | 75     | 951 ***            | 50     | 44 ***        | 85     | 102 ***      |
| SUOMI     | 10     | 5595           | -593                | 90 ***         | 10     | 99.6 ***          | 9      | 961 ***            | 7      | 37            | 10     | 93 ***       |
| EFFEKTIV  | 25     | 5764           | -425                | 93 ***         | 25     | 100.3 ***         | 21     | 962 ***            | 18     | 43 **         | 25     | 94 ***       |
| STEINAR   | 29     | 6258           | 69                  | 101            | 28     | 101.1 ***         | 22     | 974 ***            | 20     | 18 ***        | 29     | 93 ***       |
| JULIUS    | 30     | 5751           | -437                | 93 ***         | 30     | 101.4 ***         | 26     | 977 ***            | 22     | 24 o          | 30     | 83 ***       |
| BESSIN    | 14     | 5959           | -229                | 96 *           | 14     | 101.5 ***         | 12     | 971 ***            | 13     | 43 **         | 14     | 88           |
| MIRELLA   | 20     | 6180           | -8                  | 100            | 16     | 102.0 ***         | 15     | 986 **             | 11     | 29            | 20     | 94 ***       |
| VIVIANA   | 32     | 6265           | 76                  | 101            | 32     | 102.1 ***         | 26     | 985 ***            | 23     | 31            | 32     | 88           |
| BOR 07036 | 8      | 6269           | 80                  | 101            | 5      | 102.9             | 4      | 996                | 4      | 17 o          | 8      | 89           |
| FLOCKE    | 16     | 6101           | -87                 | 99             | 11     | 103.3             | 10     | 1010               | 8      | 28            | 16     | 89           |
| BETTINA   | 28     | 6300           | 111                 | 102            | 27     | 103.4 *           | 23     | 1001               | 17     | 28            | 28     | 90 o         |

## Kaura, 2004-2011, Viralliset kokeet

Oats, *Avena sativa* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike              | kpl    | Sato<br>kg/ha  | Sato-<br>ero        | Suhde-<br>luku |  | kpl    | Kasvuaika<br>pv   |  | kpl    | Lämpö-<br>summa    |  | kpl    | Lako-<br>%    |  | kpl    | Pituus<br>cm |
|---------------------|--------|----------------|---------------------|----------------|--|--------|-------------------|--|--------|--------------------|--|--------|---------------|--|--------|--------------|
| Variety             | trials | Yield<br>kg/ha | Yield<br>difference | rel.           |  | trials | Growing<br>time d |  | trials | Temperature<br>sum |  | trials | Lodging-<br>% |  | trials | Lenght<br>cm |
| NORD 09/128         | 16     | 6458           | 269                 | 104 *          |  | 11     | 103.5             |  | 10     | 1009               |  | 8      | 30            |  | 16     | 92 ***       |
| IIRIS               | 22     | 6105           | -83                 | 99             |  | 19     | 103.6             |  | 15     | 1001               |  | 14     | 20 *          |  | 22     | 85 ***       |
| NORD 10/316         | 2      | 6956           | 767                 | 112 **         |  | 1      | 103.6             |  |        |                    |  | 2      | 31            |  | 2      | 91           |
| CHARLY              | 16     | 6176           | -12                 | 100            |  | 11     | 103.8             |  | 10     | 1014               |  | 8      | 23            |  | 16     | 90           |
| NORD 09/307 (ROCKY) | 16     | 6266           | 77                  | 101            |  | 12     | 103.9             |  | 10     | 1016 o             |  | 8      | 37            |  | 16     | 86 ***       |
| SW INGEBORG         | 26     | 5978           | -210                | 97 *           |  | 26     | 104.2             |  | 21     | 1001               |  | 21     | 44 ***        |  | 26     | 87 ***       |
| IVORY               | 21     | 5533           | -655                | 89 ***         |  | 19     | 104.2             |  | 17     | 995 o              |  | 19     | 41 **         |  | 21     | 90 *         |
| NORD 10/324         | 8      | 6376           | 187                 | 103            |  | 5      | 104.3             |  | 4      | 1021               |  | 4      | 24            |  | 8      | 98 ***       |
| NORD 09/127         | 16     | 6457           | 268                 | 104 *          |  | 11     | 104.5             |  | 10     | 1019 *             |  | 8      | 32            |  | 16     | 84 ***       |
| BAUB 2008.1978      | 2      | 6585           | 396                 | 106            |  | 1      | 104.6             |  |        |                    |  | 2      | 26            |  | 2      | 92           |
| BAUB 2008.1979      | 2      | 6176           | -12                 | 100            |  | 1      | 104.6             |  |        |                    |  | 2      | 38            |  | 2      | 88           |
| AVENUDA             | 13     | 3586           | -2602               | 58 ***         |  | 13     | 105.5 o           |  | 11     | 1007               |  | 13     | 42 **         |  | 13     | 95 ***       |

## Kaura, 2004-2011, Viralliset kokeet

Oats, *Avena sativa* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike     | kpl    | Tjp<br>g              | kpl    | Hlp<br>kg       | kpl    | Valk.-<br>% | kpl    | Valk.sato<br>kg/ha  | kpl    | Kuori-<br>%       | kpl    | Ydin-<br>sato        |
|------------|--------|-----------------------|--------|-----------------|--------|-------------|--------|---------------------|--------|-------------------|--------|----------------------|
| Variety    | trials | 1000 seed<br>weight g | trials | HL weight<br>kg | trials | Prot.-<br>% | trials | Prot.yield<br>kg/ha | trials | Hull<br>Content % | trials | Groat yield<br>kg/ha |
| BELINDA =C | 70     | 39.4                  | 70     | 53.2            | 70     | 12.0        | 70     | 634                 | 70     | 23.8              | 70     | 4728                 |
| EEMELI     | 76     | 37.9 ***              | 76     | 54.2 ***        | 76     | 14.3 ***    | 76     | 627                 | 76     | 23.7              | 76     | 3952 ***             |
| BOR 07011  | 8      | 35.6 ***              | 8      | 55.1 ***        | 8      | 14.1 ***    | 8      | 659                 | 8      | 22.9 **           | 8      | 4299 ***             |
| BOR 07015  | 8      | 39.8                  | 8      | 54.2 *          | 8      | 13.7 ***    | 8      | 627                 | 8      | 23.2 *            | 8      | 4175 ***             |
| ASLAK      | 17     | 34.0 ***              | 17     | 54.5 ***        | 17     | 14.9 ***    | 17     | 702 ***             | 17     | 21.5 ***          | 17     | 4309 ***             |
| SOFIINA    | 27     | 38.5 **               | 27     | 53.8 o          | 27     | 14.2 ***    | 27     | 663 **              | 27     | 22.3 ***          | 27     | 4265 ***             |
| VELI       | 51     | 35.0 ***              | 51     | 54.6 ***        | 51     | 14.5 ***    | 50     | 629                 | 51     | 23.0 ***          | 50     | 3913 ***             |
| AARRE      | 15     | 37.6 ***              | 15     | 54.3 **         | 15     | 14.6 ***    | 15     | 657                 | 15     | 21.1 ***          | 15     | 4138 ***             |
| AKSELI     | 29     | 34.2 ***              | 29     | 55.2 ***        | 29     | 13.7 ***    | 29     | 689 ***             | 29     | 23.1 ***          | 29     | 4547 **              |
| SW VAASA   | 22     | 35.7 ***              | 22     | 52.9            | 22     | 13.4 ***    | 22     | 620                 | 22     | 24.2 *            | 22     | 4096 ***             |
| VENLA      | 39     | 36.4 ***              | 39     | 54.9 ***        | 39     | 14.9 ***    | 39     | 691 ***             | 39     | 23.4 **           | 39     | 4157 ***             |
| PEPPI      | 42     | 36.4 ***              | 42     | 55.8 ***        | 42     | 14.3 ***    | 42     | 644                 | 42     | 23.1 ***          | 42     | 4042 ***             |
| MARIKA     | 39     | 39.2                  | 39     | 54.5 ***        | 39     | 13.1 ***    | 39     | 621                 | 38     | 23.8              | 38     | 4240 ***             |
| FIIA       | 25     | 34.8 ***              | 25     | 54.5 ***        | 25     | 13.9 ***    | 25     | 643                 | 24     | 23.2 ***          | 24     | 4176 ***             |
| BOR 05034  | 17     | 34.3 ***              | 17     | 55.4 ***        | 17     | 14.1 ***    | 17     | 687 ***             | 17     | 21.8 ***          | 17     | 4493 **              |
| RINGSAKER  | 36     | 34.8 ***              | 36     | 54.4 ***        | 36     | 12.6 ***    | 36     | 651 o               | 36     | 22.5 ***          | 36     | 4696                 |
| ROOPE      | 86     | 35.4 ***              | 86     | 52.6 ***        | 86     | 13.5 ***    | 85     | 680 ***             | 86     | 21.5 ***          | 85     | 4662                 |
| SUOMI      | 10     | 36.7 ***              | 10     | 53.9            | 10     | 12.8 ***    | 10     | 610                 | 10     | 24.0              | 10     | 4256 ***             |
| EFFEKTIV   | 25     | 36.6 ***              | 25     | 54.9 ***        | 25     | 12.9 ***    | 25     | 633                 | 25     | 23.4 *            | 25     | 4425 ***             |
| STEINAR    | 29     | 38.1 ***              | 29     | 52.9            | 29     | 12.1        | 29     | 647                 | 29     | 22.7 ***          | 29     | 4851 o               |
| JULIUS     | 30     | 38.2 ***              | 30     | 53.1            | 30     | 12.9 ***    | 30     | 628                 | 30     | 22.4 ***          | 30     | 4476 ***             |
| BESSIN     | 14     | 40.0                  | 14     | 54.9 ***        | 14     | 12.5 **     | 14     | 633                 | 14     | 23.1 **           | 14     | 4585                 |
| MIRELLA    | 20     | 36.7 ***              | 20     | 52.9            | 20     | 12.0        | 20     | 632                 | 20     | 22.8 ***          | 20     | 4789                 |
| VIVIANA    | 32     | 39.0                  | 32     | 53.3            | 32     | 12.0        | 32     | 639                 | 32     | 24.4 ***          | 32     | 4742                 |
| BOR 07036  | 8      | 38.7                  | 8      | 54.2 *          | 8      | 12.0        | 8      | 645                 | 8      | 21.7 ***          | 8      | 4902                 |
| FLOCKE     | 16     | 39.1                  | 16     | 54.5 ***        | 16     | 12.0        | 16     | 624                 | 16     | 21.2 ***          | 16     | 4800                 |
| BETTINA    | 28     | 39.3                  | 28     | 53.7            | 28     | 11.9        | 28     | 641                 | 28     | 23.9              | 28     | 4803                 |



# Kaura, 2004-2011, Viralliset kokeet

Oats, *Avena sativa* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike              | kpl    | Tjp<br>g              | kpl    | Hlp<br>kg       | kpl    | Valk.-<br>% | kpl    | Valk.sato<br>kg/ha  | kpl    | Kuori-<br>%       | kpl    | Ydin-<br>sato        |
|---------------------|--------|-----------------------|--------|-----------------|--------|-------------|--------|---------------------|--------|-------------------|--------|----------------------|
| Variety             | trials | 1000 seed<br>weight g | trials | HL weight<br>kg | trials | Prot.-<br>% | trials | Prot.yield<br>kg/ha | trials | Hull<br>Content % | trials | Groat yield<br>kg/ha |
| NORD 09/128         | 16     | 44.3 ***              | 16     | 54.5 ***        | 16     | 11.8 o      | 16     | 654                 | 16     | 23.0 ***          | 16     | 4980 **              |
| IIRIS               | 22     | 42.0 ***              | 22     | 54.3 ***        | 22     | 12.3 *      | 22     | 638                 | 22     | 22.8 ***          | 22     | 4722                 |
| NORD 10/316         | 2      | 43.7 ***              | 2      | 54.8 o          | 2      | 11.2 *      | 2      | 694 o               | 2      | 21.0 ***          | 2      | 5484 ***             |
| CHARLY              | 16     | 41.7 ***              | 16     | 53.5            | 16     | 12.9 ***    | 16     | 677 **              | 16     | 20.9 ***          | 16     | 4877 o               |
| NORD 09/307 (ROCKY) | 16     | 40.7 **               | 16     | 54.1 *          | 16     | 12.3 o      | 16     | 657 o               | 16     | 21.6 ***          | 16     | 4916 *               |
| SW INGEBORG         | 26     | 41.9 ***              | 26     | 54.4 ***        | 26     | 12.1        | 26     | 617                 | 25     | 23.8              | 25     | 4554 *               |
| IVORY               | 21     | 47.2 ***              | 21     | 53.7            | 21     | 12.2        | 21     | 571 ***             | 20     | 22.3 ***          | 20     | 4303 ***             |
| NORD 10/324         | 8      | 40.9 **               | 8      | 54.5 **         | 8      | 11.5 *      | 8      | 639                 | 8      | 23.1 *            | 8      | 4909                 |
| NORD 09/127         | 16     | 39.2                  | 16     | 54.4 ***        | 16     | 11.6 **     | 16     | 645                 | 16     | 23.4 o            | 16     | 4952 **              |
| BAUB 2008.1978      | 2      | 46.9 ***              | 2      | 54.9 *          | 2      | 11.8        | 2      | 686                 | 2      | 19.6 ***          | 2      | 5272 *               |
| BAUB 2008.1979      | 2      | 43.0 ***              | 2      | 53.7            | 2      | 11.9        | 2      | 642                 | 2      | 20.6 ***          | 2      | 4892                 |
| AVENUDA             | 13     | 32.1 ***              | 13     | 67.5 ***        | 13     | 16.5 ***    | 13     | 516 ***             | 13     | 1.6 ***           | 13     | 3561 ***             |

# Kaura, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Oats, *Avena sativa* L., 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    |        | Vyöhyke I                |        |  |        | Vyöhyke II                |        |  |        | Vyöhyke III                |        |  |        | Vyöhyke IV                |        |  |
|-----------|--------|--------------------------|--------|--|--------|---------------------------|--------|--|--------|----------------------------|--------|--|--------|---------------------------|--------|--|
|           | kpl    | Sato                     | Suhde- |  | kpl    | Sato                      | Suhde- |  | kpl    | Sato                       | Suhde- |  | kpl    | Sato                      | Suhde- |  |
|           |        | kg/ha                    | luku   |  |        | kg/ha                     | luku   |  |        | kg/ha                      | luku   |  |        | kg/ha                     | luku   |  |
| Variety   | trials | Zone I<br>Yield<br>kg/ha | rel.   |  | trials | Zone II<br>Yield<br>kg/ha | rel.   |  | trials | Zone III<br>Yield<br>kg/ha | rel.   |  | trials | Zone IV<br>Yield<br>kg/ha | rel.   |  |
| BELINDA   | =C 32  | 6146                     | 100    |  | 19     | 6370                      | 100    |  | 19     | 6039                       | 100    |  |        |                           |        |  |
| EEMELI    | 19     | 4923                     | 80 *** |  | 16     | 5300                      | 83 *** |  | 25     | 5360                       | 89 *** |  |        |                           |        |  |
| BOR 07011 | 1      | 5597                     | 91 o   |  | 2      | 5641                      | 89 *   |  | 3      | 5487                       | 91 *   |  |        |                           |        |  |
| BOR 07015 | 1      | 5011                     | 82 *** |  | 2      | 5719                      | 90 o   |  | 3      | 5603                       | 93 o   |  |        |                           |        |  |
| ASLAK     | 1      | 5240                     | 85 **  |  | 4      | 5595                      | 88 **  |  | 6      | 5682                       | 94 *   |  |        |                           |        |  |
| SOFIINA   | 6      | 5492                     | 89 *** |  | 6      | 5464                      | 86 *** |  | 9      | 5600                       | 93 **  |  |        |                           |        |  |
| VELI      | 15     | 4741                     | 77 *** |  | 11     | 5117                      | 80 *** |  | 16     | 5391                       | 89 *** |  |        |                           |        |  |
| AARRE     | 1      | 4900                     | 80 *** |  | 4      | 5269                      | 83 *** |  | 5      | 5514                       | 91 **  |  |        |                           |        |  |
| AKSELI    | 6      | 5626                     | 92 *** |  | 7      | 6142                      | 96     |  | 9      | 5972                       | 99     |  |        |                           |        |  |
| SW VAASA  | 5      | 5060                     | 82 *** |  | 5      | 5337                      | 84 *** |  | 7      | 5673                       | 94 *   |  |        |                           |        |  |
| VENLA     | 4      | 5015                     | 82 *** |  | 10     | 5401                      | 85 *** |  | 13     | 5614                       | 93 **  |  |        |                           |        |  |
| PEPPI     | 7      | 5209                     | 85 *** |  | 13     | 5312                      | 83 *** |  | 15     | 5436                       | 90 *** |  |        |                           |        |  |
| MARIKA    | 6      | 5509                     | 90 *** |  | 9      | 5679                      | 89 *** |  | 13     | 5517                       | 91 *** |  |        |                           |        |  |
| FIIA      | 5      | 5283                     | 86 *** |  | 6      | 5402                      | 85 *** |  | 8      | 5616                       | 93 **  |  |        |                           |        |  |
| BOR 05034 | 2      | 5850                     | 95     |  | 4      | 5786                      | 91 *   |  | 7      | 5848                       | 97     |  |        |                           |        |  |
| RINGSAKER | 6      | 5704                     | 93 *** |  | 9      | 6095                      | 96     |  | 13     | 6102                       | 101    |  |        |                           |        |  |
| ROOPE     | 27     | 5745                     | 93 *** |  | 17     | 6078                      | 95 *   |  | 27     | 6022                       | 100    |  |        |                           |        |  |
| SUOMI     | 2      | 5282                     | 86 *** |  | 4      | 5969                      | 94 o   |  | 3      | 5431                       | 90 **  |  |        |                           |        |  |
| EFFEKTIV  | 12     | 5701                     | 93 *** |  | 8      | 5994                      | 94 *   |  | 5      | 5492                       | 91 **  |  |        |                           |        |  |
| STEINAR   | 15     | 6139                     | 100    |  | 8      | 6461                      | 101    |  | 6      | 6145                       | 102    |  |        |                           |        |  |
| JULIUS    | 12     | 5629                     | 92 *** |  | 9      | 5897                      | 93 **  |  | 8      | 5768                       | 96 o   |  |        |                           |        |  |
| BESSIN    | 6      | 5789                     | 94 **  |  | 5      | 6226                      | 98     |  | 3      | 5832                       | 97     |  |        |                           |        |  |
| MIRELLA   | 9      | 5972                     | 97     |  | 5      | 6589                      | 103    |  | 5      | 6053                       | 100    |  |        |                           |        |  |
| VIVIANA   | 17     | 6166                     | 100    |  | 9      | 6420                      | 101    |  | 6      | 6190                       | 102    |  |        |                           |        |  |
| BOR 07036 | 4      | 6118                     | 100    |  | 2      | 6567                      | 103    |  | 2      | 6157                       | 102    |  |        |                           |        |  |

## Kaura, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Oats, *Avena sativa* L., 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike              |        | Vyöhyke I                |                |   |        | Vyöhyke II                |                |   |        | Vyöhyke III                |                |  |        | Vyöhyke IV                |                |  |
|---------------------|--------|--------------------------|----------------|---|--------|---------------------------|----------------|---|--------|----------------------------|----------------|--|--------|---------------------------|----------------|--|
|                     | kpl    | Sato<br>kg/ha            | Suhde-<br>luku |   | kpl    | Sato<br>kg/ha             | Suhde-<br>luku |   | kpl    | Sato<br>kg/ha              | Suhde-<br>luku |  | kpl    | Sato<br>kg/ha             | Suhde-<br>luku |  |
| Variety             | trials | Zone I<br>Yield<br>kg/ha | rel.           |   | trials | Zone II<br>Yield<br>kg/ha | rel.           |   | trials | Zone III<br>Yield<br>kg/ha | rel.           |  | trials | Zone IV<br>Yield<br>kg/ha | rel.           |  |
| FLOCKE              | 8      | 5858                     | 95 *           | 4 | 6312   | 99                        |                | 4 | 6271   | 104                        |                |  |        |                           |                |  |
| BETTINA             | 14     | 6313                     | 103 o          | 7 | 6325   | 99                        |                | 7 | 6160   | 102                        |                |  |        |                           |                |  |
| NORD 09/128         | 8      | 6264                     | 102            | 4 | 6480   | 102                       |                | 4 | 6719   | 111 **                     |                |  |        |                           |                |  |
| IIRIS               | 11     | 5983                     | 97 o           | 6 | 6272   | 98                        |                | 5 | 6047   | 100                        |                |  |        |                           |                |  |
| NORD 10/316         | 1      | 6634                     | 108 o          |   |        |                           |                | 1 | 7197   | 119 **                     |                |  |        |                           |                |  |
| CHARLY              | 8      | 5997                     | 98             | 4 | 6343   | 100                       |                | 4 | 6259   | 104                        |                |  |        |                           |                |  |
| NORD 09/307 (ROCKY) | 8      | 6125                     | 100            | 4 | 6438   | 101                       |                | 4 | 6275   | 104                        |                |  |        |                           |                |  |
| SW INGEBORG         | 12     | 5971                     | 97 o           | 6 | 6143   | 96                        |                | 8 | 5810   | 96                         |                |  |        |                           |                |  |
| IVORY               | 7      | 5601                     | 91 ***         | 6 | 5664   | 89 ***                    |                | 7 | 5273   | 87 ***                     |                |  |        |                           |                |  |
| NORD 10/324         | 4      | 6174                     | 100            | 2 | 6195   | 97                        |                | 2 | 6843   | 113 **                     |                |  |        |                           |                |  |
| NORD 09/127         | 8      | 6117                     | 100            | 4 | 6785   | 107 o                     |                | 4 | 6703   | 111 **                     |                |  |        |                           |                |  |
| BAUB 2008.1978      | 1      | 6046                     | 98             |   |        |                           |                | 1 | 7043   | 117 **                     |                |  |        |                           |                |  |
| BAUB 2008.1979      | 1      | 5625                     | 92 o           |   |        |                           |                | 1 | 6646   | 110                        |                |  |        |                           |                |  |
| AVENUDA             | 6      | 3522                     | 57 ***         | 4 | 3853   | 60 ***                    |                | 3 | 3299   | 55 ***                     |                |  |        |                           |                |  |

# Kaura, 2004-2011, Viralliset kokeet: Luokittelu maalajeittain

Oats, *Avena sativa* L., 2004-2011, Official variety trials: Classification according to soil types

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    | kpl    | Karkeat<br>kiv. maat<br>kg/ha | Suhde-<br>luku | kpl    | Savimaat<br>kg/ha | Suhde-<br>luku | kpl    | Multamaat<br>kg/ha | Suhde-<br>luku | kpl    | Liejusavi<br>kg/ha   | Suhde-<br>luku |
|-----------|--------|-------------------------------|----------------|--------|-------------------|----------------|--------|--------------------|----------------|--------|----------------------|----------------|
| Variety   | trials | Coarse mineral                | rel.           | trials | Clay<br>kg/ha     | rel.           | trials | Mould<br>kg/ha     | rel.           | trials | Gyttja clay<br>kg/ha | rel.           |
| BELINDA   | =C 12  | 5706                          | 100            | 36     | 6231              | 100            | 14     | 6305               | 100            | 7      | 6310                 | 100            |
| EEMELI    | 20     | 4970                          | 87 ***         | 26     | 5111              | 82 ***         | 23     | 5338               | 85 ***         | 6      | 5105                 | 81 ***         |
| BOR 07011 | 5      | 5337                          | 94             | 1      | 5643              | 91 o           | 2      | 6022               | 96             |        |                      |                |
| BOR 07015 | 5      | 5358                          | 94             | 1      | 5057              | 81 ***         | 2      | 5735               | 91             |        |                      |                |
| ASLAK     | 6      | 5073                          | 89 **          | 3      | 5624              | 90 ***         | 7      | 5582               | 89 ***         |        |                      |                |
| SOFIINA   | 7      | 4962                          | 87 **          | 8      | 5516              | 89 ***         | 11     | 5662               | 90 ***         | 1      | 6043                 | 96             |
| VELI      | 14     | 4857                          | 85 ***         | 23     | 4976              | 80 ***         | 9      | 5353               | 85 ***         | 3      | 4825                 | 76 ***         |
| AARRE     | 5      | 4857                          | 85 **          | 3      | 5321              | 85 ***         | 6      | 5386               | 85 ***         |        |                      |                |
| AKSELI    | 8      | 5534                          | 97             | 8      | 5859              | 94 **          | 12     | 6073               | 96             | 1      | 6145                 | 97             |
| SW VAASA  | 6      | 5127                          | 90 *           | 7      | 5242              | 84 ***         | 6      | 5734               | 91 **          | 2      | 5120                 | 81 ***         |
| VENLA     | 10     | 5221                          | 92 *           | 7      | 5268              | 85 ***         | 19     | 5611               | 89 ***         | 2      | 5253                 | 83 ***         |
| PEPPI     | 8      | 4814                          | 84 ***         | 13     | 5194              | 83 ***         | 19     | 5479               | 87 ***         | 1      | 5545                 | 88 o           |
| MARIKA    | 13     | 5441                          | 95             | 9      | 5419              | 87 ***         | 14     | 5602               | 89 ***         | 2      | 5698                 | 90 *           |
| FIIA      | 4      | 5145                          | 90 *           | 8      | 5428              | 87 ***         | 11     | 5593               | 89 ***         | 1      | 5146                 | 82 **          |
| BOR 05034 | 6      | 5563                          | 98             | 5      | 5673              | 91 ***         | 6      | 5986               | 95             |        |                      |                |
| RINGSAKER | 14     | 6044                          | 106 o          | 9      | 5802              | 93 ***         | 12     | 6179               | 98             | 1      | 5859                 | 93             |
| ROOPE     | 20     | 5725                          | 100            | 38     | 5792              | 93 ***         | 21     | 6126               | 97             | 5      | 6008                 | 95             |
| SUOMI     | 1      | 5335                          | 93             | 2      | 5362              | 86 ***         | 5      | 5853               | 93 *           | 1      | 5305                 | 84 *           |
| EFFEKTIV  | 3      | 5557                          | 97             | 11     | 5553              | 89 ***         | 7      | 5820               | 92 *           | 3      | 6388                 | 101            |
| STEINAR   | 3      | 5537                          | 97             | 13     | 6134              | 98             | 9      | 6569               | 104            | 4      | 6536                 | 104            |

## Kaura, 2004-2011, Viralliset kokeet: Luokittelu maalajeittain

Oats, *Avena sativa* L., 2004-2011, Official variety trials: Classification according to soil types

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike              | kpl    | Karkeat<br>kiv. maat<br>kg/ha | Suhde-<br>luku | kpl    | Savimaat<br>kg/ha | Suhde-<br>luku | kpl    | Multamaat<br>kg/ha | Suhde-<br>luku | kpl    | Liejusavi<br>kg/ha   | Suhde-<br>luku |
|---------------------|--------|-------------------------------|----------------|--------|-------------------|----------------|--------|--------------------|----------------|--------|----------------------|----------------|
| Variety             | trials | Coarse mineral                | rel.           | trials | Clay<br>kg/ha     | rel.           | trials | Mould<br>kg/ha     | rel.           | trials | Gyttja clay<br>kg/ha | rel.           |
| JULIUS              | 3      | 5491                          | 96             | 13     | 5567              | 89 ***         | 10     | 6007               | 95 o           | 3      | 6054                 | 96             |
| BESSIN              | 1      | 5820                          | 102            | 8      | 5907              | 95 **          | 2      | 6086               | 97             | 2      | 5958                 | 94             |
| MIRELLA             | 4      | 5807                          | 102            | 10     | 6089              | 98             | 5      | 6450               | 102            | 1      | 6242                 | 99             |
| VIVIANA             | 2      | 5491                          | 96             | 17     | 6208              | 100            | 8      | 6667               | 106 o          | 4      | 6453                 | 102            |
| BOR 07036           | 3      | 6124                          | 107            | 2      | 6076              | 98             | 1      | 6614               | 105            | 2      | 6507                 | 103            |
| FLOCKE              | 4      | 6302                          | 110 *          | 6      | 6010              | 96             | 3      | 6066               | 96             | 3      | 6056                 | 96             |
| BETTINA             | 4      | 5628                          | 99             | 14     | 6302              | 101            | 7      | 6376               | 101            | 3      | 6744                 | 107 o          |
| NORD 09/128         | 4      | 6555                          | 115 **         | 6      | 6258              | 100            | 3      | 6461               | 102            | 3      | 6731                 | 107 o          |
| IIRIS               | 3      | 5609                          | 98             | 10     | 6072              | 97             | 6      | 6315               | 100            | 3      | 6195                 | 98             |
| NORD 10/316         | 1      | 6436                          | 113            |        |                   |                |        |                    |                | 1      | 6935                 | 110            |
| CHARLY              | 4      | 6310                          | 111 *          | 6      | 6047              | 97             | 3      | 6091               | 97             | 3      | 6341                 | 100            |
| NORD 09/307 (ROCKY) | 4      | 6291                          | 110 *          | 7      | 6156              | 99             | 3      | 6243               | 99             | 2      | 6544                 | 104            |
| SW INGEBORG         | 3      | 5690                          | 100            | 12     | 5898              | 95 ***         | 6      | 6190               | 98             | 4      | 6101                 | 97             |
| IVORY               | 2      | 5106                          | 89 o           | 9      | 5468              | 88 ***         | 7      | 5748               | 91 **          | 2      | 5631                 | 89 *           |
| NORD 10/324         | 3      | 6579                          | 115 **         | 2      | 6056              | 97             | 1      | 5875               | 93             | 2      | 6640                 | 105            |
| NORD 09/127         | 4      | 6591                          | 116 **         | 6      | 6298              | 101            | 3      | 6767               | 107 o          | 3      | 6289                 | 100            |
| BAUB 2008.1978      | 1      | 6282                          | 110            |        |                   |                |        |                    |                | 1      | 6347                 | 101            |
| BAUB 2008.1979      | 1      | 5885                          | 103            |        |                   |                |        |                    |                | 1      | 5926                 | 94             |
| AVENUDA             |        |                               |                | 8      | 3553              | 57 ***         | 2      | 3837               | 61 ***         | 2      | 3457                 | 55 ***         |

[illegible]

## Kaura, 2004-2011, Viralliset kokeet: Luokittelu vuosittain

Oats, *Avena sativa* L., 2004-2011, Official variety trials: Classification according to year

Estimoidut lajikekeskiarvot, Estimated variety means

| Estimated variety means |        |            |        |        |            |        |        |            |        |        |            |        |      |     |
|-------------------------|--------|------------|--------|--------|------------|--------|--------|------------|--------|--------|------------|--------|------|-----|
| Lajike                  | kpl    | Vuosi 2008 | Suhde- | kpl    | Vuosi 2009 | Suhde- | kpl    | Vuosi 2010 | Suhde- | kpl    | Vuosi 2011 | Suhde- |      |     |
|                         |        | kg/ha      | luku   |        | kg/ha      | luku   |        | kg/ha      | luku   |        | kg/ha      | luku   |      |     |
| Variety                 | trials | Year 2008  |        | trials | Year 2009  |        | trials | Year 2010  |        | trials | Year 2011  |        |      |     |
|                         |        | kg/ha      | rel.   |        | kg/ha      | rel.   |        | kg/ha      | rel.   |        | kg/ha      | rel.   |      |     |
| EFFEKTIV                | 4      | 5399       | 97     |        |            |        |        |            |        |        |            |        |      |     |
| STEINAR                 | 8      | 5787       | 104    | 4      | 7418       | 103    | 4      | 5879       | 103    | 2      | 5970       | 107    |      |     |
| JULIUS                  | 4      | 5513       | 99     | 3      | 6753       | 93     | o      |            |        |        |            |        |      |     |
| BESSIN                  |        |            |        |        |            |        |        |            |        |        |            |        |      |     |
| MIRELLA                 |        |            |        | 8      | 7282       | 101    |        | 8          | 5678   | 99     | 4          | 5523   | 99   |     |
| VIVIANA                 | 4      | 5723       | 103    | 4      | 7669       | 106    | *      | 2          | 5745   | 101    | 2          | 5656   | 101  |     |
| BOR 07036               |        |            |        |        |            |        |        |            |        | 8      | 5690       | 102    |      |     |
| FLOCKE                  |        |            |        |        |            |        |        | 8          | 5750   | 101    | 8          | 5483   | 98   |     |
| BETTINA                 | 8      | 5771       | 104    |        |            |        |        | 4          | 6253   | 110    | **         |        |      |     |
| NORD 09/128             |        |            |        |        |            |        |        | 8          | 5907   | 103    | 8          | 6040   | 108  | **  |
| IIRIS                   | 8      | 5604       | 101    | 8      | 7128       | 99     |        | 4          | 5851   | 102    | 2          | 5384   | 96   |     |
| NORD 10/316             |        |            |        |        |            |        |        |            |        | 2      | 6377       | 114    | **   |     |
| CHARLY                  |        |            |        |        |            |        |        | 8          | 5776   | 101    | 8          | 5605   | 100  |     |
| NORD 09/307 (ROCKY)     |        |            |        | 2      | 7299       | 101    |        | 6          | 5943   | 104    | 8          | 5615   | 101  |     |
| SW INGEBORG             | 4      | 5765       | 103    | 4      | 7052       | 98     |        |            |        |        |            |        |      |     |
| IVORY                   | 3      | 4797       | 86     | **     |            |        |        |            |        |        |            |        |      |     |
| NORD 10/324             |        |            |        |        |            |        |        |            |        | 8      | 5796       | 104    |      |     |
| NORD 09/127             |        |            |        |        |            |        |        | 8          | 6175   | 108    | ***        | 8      | 5769 | 103 |
| BAUB 2008.1978          |        |            |        |        |            |        |        |            |        | 2      | 6006       | 108    |      |     |
| BAUB 2008.1979          |        |            |        |        |            |        |        |            |        | 2      | 5597       | 100    |      |     |
| AVENUDA                 |        |            |        |        |            |        |        |            |        |        |            |        |      |     |

### Kaura, 2004-2011, Viralliset kokeet: Luokittelu satotason mukaan

Oats, *Avena sativa* L., 2004-2011, Official variety trials: Classification according to average yield level of trial

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    |    | kpl    | Alhainen taso<br>kg/ha | Suhde-<br>luku |  | kpl    | Keskimääräinen taso<br>kg/ha | Suhde-<br>luku |  | kpl    | Korkea taso<br>kg/ha | Suhde-<br>luku |
|-----------|----|--------|------------------------|----------------|--|--------|------------------------------|----------------|--|--------|----------------------|----------------|
| Variety   |    | trials | Low level<br>kg/ha     | rel.           |  | trials | Average level<br>kg/ha       | rel.           |  | trials | High level<br>kg/ha  | rel.           |
| BELINDA   | =C | 23     | 4891                   | 100            |  | 23     | 6034                         | 100            |  | 24     | 7413                 | 100            |
| EEMELI    |    | 22     | 3898                   | 80 ***         |  | 26     | 5154                         | 85 ***         |  | 28     | 6234                 | 84 ***         |
| BOR 07011 |    | 4      | 4325                   | 88 **          |  | 2      | 5356                         | 89 *           |  | 2      | 6763                 | 91 *           |
| BOR 07015 |    | 4      | 4095                   | 84 ***         |  | 2      | 5502                         | 91 o           |  | 2      | 6549                 | 88 **          |
| ASLAK     |    | 2      | 3892                   | 80 ***         |  | 8      | 5523                         | 92 **          |  | 7      | 6555                 | 88 ***         |
| SOFIINA   |    | 8      | 4060                   | 83 ***         |  | 7      | 5583                         | 93 **          |  | 12     | 6548                 | 88 ***         |
| VELI      |    | 13     | 3729                   | 76 ***         |  | 21     | 5115                         | 85 ***         |  | 16     | 6097                 | 82 ***         |
| AARRE     |    | 2      | 3870                   | 79 ***         |  | 6      | 5296                         | 88 ***         |  | 7      | 6239                 | 84 ***         |
| AKSELI    |    | 8      | 4395                   | 90 ***         |  | 7      | 5836                         | 97             |  | 14     | 7092                 | 96 *           |
| SW VAASA  |    | 6      | 4065                   | 83 ***         |  | 9      | 5429                         | 90 ***         |  | 7      | 6423                 | 87 ***         |
| VENLA     |    | 4      | 3955                   | 81 ***         |  | 17     | 5486                         | 91 ***         |  | 18     | 6462                 | 87 ***         |
| PEPPI     |    | 6      | 3932                   | 80 ***         |  | 17     | 5328                         | 88 ***         |  | 19     | 6256                 | 84 ***         |
| MARIKA    |    | 10     | 4252                   | 87 ***         |  | 17     | 5482                         | 91 ***         |  | 12     | 6726                 | 91 ***         |
| FIIA      |    | 2      | 4148                   | 85 **          |  | 14     | 5484                         | 91 ***         |  | 9      | 6420                 | 87 ***         |
| BOR 05034 |    | 8      | 4532                   | 93 *           |  | 2      | 5438                         | 90 *           |  | 7      | 6803                 | 92 ***         |
| RINGSAKER |    | 8      | 4810                   | 98             |  | 11     | 6020                         | 100            |  | 17     | 7099                 | 96 *           |
| ROOPE     |    | 24     | 4552                   | 93 ***         |  | 29     | 5918                         | 98             |  | 32     | 7034                 | 95 ***         |
| SUOMI     |    | 2      | 4347                   | 89 *           |  | 2      | 5172                         | 86 **          |  | 6      | 6813                 | 92 ***         |
| EFFEKTIV  |    | 8      | 4442                   | 91 **          |  | 6      | 5634                         | 93 *           |  | 11     | 6931                 | 94 ***         |
| STEINAR   |    | 7      | 4829                   | 99             |  | 9      | 6168                         | 102            |  | 13     | 7450                 | 100            |
| JULIUS    |    | 8      | 4427                   | 91 **          |  | 9      | 5594                         | 93 **          |  | 13     | 6952                 | 94 ***         |



### Kaura, 2004-2011, Viralliset kokeet: Luokittelu satotason mukaan

Oats, *Avena sativa* L., 2004-2011, Official variety trials: Classification according to average yield level of trial

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike              | kpl    | Alhainen taso<br>kg/ha | Suhde-<br>luku | kpl    | Keskimääräinen taso<br>kg/ha | Suhde-<br>luku | kpl    | Korkea taso<br>kg/ha | Suhde-<br>luku |
|---------------------|--------|------------------------|----------------|--------|------------------------------|----------------|--------|----------------------|----------------|
| Variety             | trials | Low level<br>kg/ha     | rel.           | trials | Average level<br>kg/ha       | rel.           | trials | High level<br>kg/ha  | rel.           |
| BESSIN              | 2      | 4944                   | 101            | 7      | 5926                         | 98             | 5      | 6945                 | 94 *           |
| MIRELLA             | 7      | 4737                   | 97             | 3      | 6555                         | 109            | 10     | 7272                 | 98             |
| VIVIANA             | 8      | 4877                   | 100            | 8      | 6103                         | 101            | 16     | 7475                 | 101            |
| BOR 07036           | 5      | 4933                   | 101            | 2      | 6378                         | 106            | 1      | 7489                 | 101            |
| FLOCKE              | 10     | 4837                   | 99             | 2      | 6246                         | 104            | 4      | 7050                 | 95 o           |
| BETTINA             | 11     | 5008                   | 102            | 7      | 6136                         | 102            | 10     | 7451                 | 101            |
| NORD 09/128         | 10     | 5174                   | 106 *          | 2      | 6690                         | 111 *          | 4      | 7412                 | 100            |
| IIRIS               | 4      | 4818                   | 99             | 7      | 6089                         | 101            | 11     | 7194                 | 97             |
| NORD 10/316         | 1      | 5837                   | 119 **         | 1      | 6856                         | 114 *          |        |                      |                |
| CHARLY              | 10     | 4962                   | 101            | 2      | 6190                         | 103            | 4      | 7061                 | 95             |
| NORD 09/307 (ROCKY) | 8      | 5008                   | 102            | 2      | 6402                         | 106            | 6      | 7275                 | 98             |
| SW INGEBORG         | 3      | 4933                   | 101            | 14     | 5824                         | 97 o           | 9      | 7176                 | 97             |
| IVORY               | 2      | 4494                   | 92             | 11     | 5327                         | 88 ***         | 8      | 6806                 | 92 ***         |
| NORD 10/324         | 5      | 5237                   | 107 *          | 2      | 6415                         | 106            | 1      | 6750                 | 91             |
| NORD 09/127         | 10     | 5118                   | 105 o          | 2      | 6451                         | 107            | 4      | 7665                 | 103            |
| BAUB 2008.1978      | 1      | 5683                   | 116 *          | 1      | 6268                         | 104            |        |                      |                |
| BAUB 2008.1979      | 1      | 5286                   | 108            | 1      | 5847                         | 97             |        |                      |                |
| AVENUDA             | 1      | 3024                   | 62 ***         | 7      | 3550                         | 59 ***         | 5      | 4543                 | 61 ***         |

## Kaura, 2004-2011, Viralliset kokeet

Oats, *Avena sativa* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    | kpl    | Sato<br>kg/ha  | Sato-<br>ero        | Suhde-<br>luku |     | kpl    | Kasvuaika<br>pv   |     | kpl    | Lämpö-<br>summa    |     | kpl    | Lako-<br>%    |     | kpl    | Pituus<br>cm |
|-----------|--------|----------------|---------------------|----------------|-----|--------|-------------------|-----|--------|--------------------|-----|--------|---------------|-----|--------|--------------|
| Variety   | trials | Yield<br>kg/ha | Yield<br>difference | rel.           |     | trials | Growing<br>time d |     | trials | Temperature<br>sum |     | trials | Lodging-<br>% |     | trials | Length<br>cm |
| EEMELI    | =C 76  | 5164           | 0                   | 100            |     | 69     | 93.9              |     | 63     | 898                |     | 44     | 23            |     | 75     | 87           |
| BOR 07011 | 8      | 5559           | 395                 | 108            | **  | 7      | 94.6              |     | 7      | 911                |     | 5      | 20            |     | 8      | 84           |
| BOR 07015 | 8      | 5427           | 263                 | 105            | o   | 7      | 94.6              |     | 7      | 909                |     | 5      | 25            |     | 8      | 88           |
| ASLAK     | 17     | 5468           | 304                 | 106            | **  | 17     | 94.7              |     | 17     | 908                | o   | 10     | 34            | *   | 17     | 88           |
| SOFIINA   | 27     | 5472           | 309                 | 106            | *** | 26     | 94.7              | o   | 25     | 911                | **  | 17     | 26            |     | 27     | 90           |
| VELI      | 50     | 5069           | -93                 | 98             |     | 51     | 95.5              | *** | 47     | 912                | *** | 33     | 52            | *** | 51     | 100          |
| AARRE     | 15     | 5221           | 57                  | 101            |     | 15     | 95.6              | **  | 15     | 918                | *** | 9      | 50            | *** | 15     | 105          |
| AKSELI    | 29     | 5889           | 726                 | 114            | *** | 28     | 95.9              | *** | 27     | 920                | *** | 19     | 20            |     | 29     | 88           |
| SW VAASA  | 22     | 5392           | 228                 | 104            | *   | 22     | 96.4              | *** | 20     | 920                | *** | 15     | 34            | **  | 22     | 93           |
| VENLA     | 39     | 5414           | 250                 | 105            | *** | 39     | 96.5              | *** | 37     | 925                | *** | 25     | 37            | *** | 39     | 94           |
| PEPPI     | 42     | 5246           | 82                  | 102            |     | 42     | 97.1              | *** | 40     | 931                | *** | 31     | 31            | **  | 42     | 85           |
| MARIKA    | 39     | 5560           | 397                 | 108            | *** | 39     | 97.2              | *** | 37     | 928                | *** | 20     | 35            | *** | 39     | 90           |
| FIIA      | 25     | 5429           | 266                 | 105            | **  | 25     | 97.4              | *** | 24     | 935                | *** | 18     | 29            | o   | 25     | 90           |
| BOR 05034 | 17     | 5735           | 571                 | 111            | *** | 15     | 97.7              | *** | 15     | 941                | *** | 8      | 25            |     | 16     | 87           |
| RINGSAKER | 36     | 6040           | 876                 | 117            | *** | 36     | 98.9              | *** | 34     | 948                | *** | 19     | 38            | *** | 36     | 91           |
| ROOPE     | 85     | 5918           | 754                 | 115            | *** | 82     | 99.4              | *** | 75     | 951                | *** | 50     | 44            | *** | 85     | 102          |
| SUOMI     | 10     | 5595           | 431                 | 108            | *** | 10     | 99.6              | *** | 9      | 961                | *** | 7      | 37            | **  | 10     | 93           |
| EFFEKTIV  | 25     | 5764           | 600                 | 112            | *** | 25     | 100.3             | *** | 21     | 962                | *** | 18     | 43            | *** | 25     | 94           |
| STEINAR   | 29     | 6258           | 1094                | 121            | *** | 28     | 101.1             | *** | 22     | 974                | *** | 20     | 18            |     | 29     | 93           |
| JULIUS    | 30     | 5751           | 587                 | 111            | *** | 30     | 101.4             | *** | 26     | 977                | *** | 22     | 24            |     | 30     | 83           |
| BESSIN    | 14     | 5959           | 795                 | 115            | *** | 14     | 101.5             | *** | 12     | 971                | *** | 13     | 43            | *** | 14     | 88           |
| MIRELLA   | 20     | 6180           | 1017                | 120            | *** | 16     | 102.0             | *** | 15     | 986                | *** | 11     | 29            |     | 20     | 94           |
| VIVIANA   | 32     | 6265           | 1101                | 121            | *** | 32     | 102.1             | *** | 26     | 985                | *** | 23     | 31            | *   | 32     | 88           |
| BOR 07036 | 8      | 6269           | 1106                | 121            | *** | 5      | 102.9             | *** | 4      | 996                | *** | 4      | 17            |     | 8      | 89           |
| FLOCKE    | 16     | 6101           | 938                 | 118            | *** | 11     | 103.3             | *** | 10     | 1010               | *** | 8      | 28            |     | 16     | 89           |

## Kaura, 2004-2011, Viralliset kokeet

Oats, *Avena sativa* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike              | kpl    | Sato<br>kg/ha  | Sato-<br>ero        | Suhde-<br>luku | kpl    | Kasvuaika<br>pv   | kpl    | Lämpö-<br>summa    | kpl    | Lako-<br>%    | kpl    | Pituus<br>cm |
|---------------------|--------|----------------|---------------------|----------------|--------|-------------------|--------|--------------------|--------|---------------|--------|--------------|
| Variety             | trials | Yield<br>kg/ha | Yield<br>difference | rel.           | trials | Growing<br>time d | trials | Temperature<br>sum | trials | Lodging-<br>% | trials | Lenght<br>cm |
| BETTINA             | 28     | 6300           | 1136                | 122 ***        | 27     | 103.4 ***         | 23     | 1001 ***           | 17     | 28            | 28     | 90 ***       |
| NORD 09/128         | 16     | 6458           | 1295                | 125 ***        | 11     | 103.5 ***         | 10     | 1009 ***           | 8      | 30            | 16     | 92 ***       |
| IIRIS               | 22     | 6105           | 941                 | 118 ***        | 19     | 103.6 ***         | 15     | 1001 ***           | 14     | 20            | 22     | 85 **        |
| NORD 10/316         | 2      | 6956           | 1793                | 135 ***        | 1      | 103.6 ***         |        |                    | 2      | 31            | 2      | 91 *         |
| CHARLY              | 16     | 6176           | 1012                | 120 ***        | 11     | 103.8 ***         | 10     | 1014 ***           | 8      | 23            | 16     | 90 ***       |
| NORD 09/307 (ROCKY) | 16     | 6266           | 1103                | 121 ***        | 12     | 103.9 ***         | 10     | 1016 ***           | 8      | 37 **         | 16     | 86           |
| SW INGEBORG         | 26     | 5978           | 814                 | 116 ***        | 26     | 104.2 ***         | 21     | 1001 ***           | 21     | 44 ***        | 26     | 87           |
| IVORY               | 21     | 5533           | 369                 | 107 ***        | 19     | 104.2 ***         | 17     | 995 ***            | 19     | 41 ***        | 21     | 90 ***       |
| NORD 10/324         | 8      | 6376           | 1212                | 123 ***        | 5      | 104.3 ***         | 4      | 1021 ***           | 4      | 24            | 8      | 98 ***       |
| BELINDA             | 70     | 6189           | 1025                | 120 ***        | 63     | 104.4 ***         | 55     | 1005 ***           | 47     | 31 **         | 70     | 89 ***       |
| NORD 09/127         | 16     | 6457           | 1293                | 125 ***        | 11     | 104.5 ***         | 10     | 1019 ***           | 8      | 32 o          | 16     | 84 ***       |
| BAUB 2008.1978      | 2      | 6585           | 1422                | 128 ***        | 1      | 104.6 ***         |        |                    | 2      | 26            | 2      | 92 **        |
| BAUB 2008.1979      | 2      | 6176           | 1013                | 120 ***        | 1      | 104.6 ***         |        |                    | 2      | 38            | 2      | 88           |
| AVENUDA             | 13     | 3586           | -1576               | 69 ***         | 13     | 105.5 ***         | 11     | 1007 ***           | 13     | 42 ***        | 13     | 95 ***       |

# Kaura, 2004-2011, Viralliset kokeet

Oats, *Avena sativa* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    | kpl    | Tjp<br>g              | kpl    | Hlp<br>kg       | kpl    | Valk.-<br>% | kpl    | Valk.sato<br>kg/ha  | kpl    | Kuori-<br>%       | kpl    | Ydin-<br>sato        |
|-----------|--------|-----------------------|--------|-----------------|--------|-------------|--------|---------------------|--------|-------------------|--------|----------------------|
| Variety   | trials | 1000 seed<br>weight g | trials | HI weight<br>kg | trials | Prot.-<br>% | trials | Prot.yield<br>kg/ha | trials | Hull<br>Content % | trials | Groat yield<br>kg/ha |
| EEMELI    | =C 76  | 37.9                  | 76     | 54.2            | 76     | 14.3        | 76     | 627                 | 76     | 23.7              | 76     | 3952                 |
| BOR 07011 | 8      | 35.6 ***              | 8      | 55.1 *          | 8      | 14.1        | 8      | 659 o               | 8      | 22.9 **           | 8      | 4299 **              |
| BOR 07015 | 8      | 39.8 ***              | 8      | 54.2            | 8      | 13.7 *      | 8      | 627                 | 8      | 23.2 o            | 8      | 4175 o               |
| ASLAK     | 17     | 34.0 ***              | 17     | 54.5            | 17     | 14.9 ***    | 17     | 702 ***             | 17     | 21.5 ***          | 17     | 4309 ***             |
| SOFIINA   | 27     | 38.5 o                | 27     | 53.8            | 27     | 14.2        | 27     | 663 ***             | 27     | 22.3 ***          | 27     | 4265 ***             |
| VELI      | 51     | 35.0 ***              | 51     | 54.6 o          | 51     | 14.5 **     | 50     | 629                 | 51     | 23.0 ***          | 50     | 3913                 |
| AARRE     | 15     | 37.6                  | 15     | 54.3            | 15     | 14.6 *      | 15     | 657 *               | 15     | 21.1 ***          | 15     | 4138 *               |
| AKSELI    | 29     | 34.2 ***              | 29     | 55.2 ***        | 29     | 13.7 ***    | 29     | 689 ***             | 29     | 23.1 ***          | 29     | 4547 ***             |
| SW VAASA  | 22     | 35.7 ***              | 22     | 52.9 ***        | 22     | 13.4 ***    | 22     | 620                 | 22     | 24.2 **           | 22     | 4096 *               |
| VENLA     | 39     | 36.4 ***              | 39     | 54.9 **         | 39     | 14.9 ***    | 39     | 691 ***             | 39     | 23.4 o            | 39     | 4157 ***             |
| PEPPI     | 42     | 36.4 ***              | 42     | 55.8 ***        | 42     | 14.3        | 42     | 644 o               | 42     | 23.1 ***          | 42     | 4042                 |
| MARIKA    | 39     | 39.2 ***              | 39     | 54.5            | 39     | 13.1 ***    | 39     | 621                 | 38     | 23.8              | 38     | 4240 ***             |
| FIIA      | 25     | 34.8 ***              | 25     | 54.5            | 25     | 13.9 **     | 25     | 643                 | 24     | 23.2 **           | 24     | 4176 **              |
| BOR 05034 | 17     | 34.3 ***              | 17     | 55.4 ***        | 17     | 14.1        | 17     | 687 ***             | 17     | 21.8 ***          | 17     | 4493 ***             |
| RINGSAKER | 36     | 34.8 ***              | 36     | 54.4            | 36     | 12.6 ***    | 36     | 651 *               | 36     | 22.5 ***          | 36     | 4696 ***             |
| ROOPE     | 86     | 35.4 ***              | 86     | 52.6 ***        | 86     | 13.5 ***    | 85     | 680 ***             | 86     | 21.5 ***          | 85     | 4662 ***             |
| SUOMI     | 10     | 36.7 *                | 10     | 53.9            | 10     | 12.8 ***    | 10     | 610                 | 10     | 24.0              | 10     | 4256 **              |
| EFFEKTIV  | 25     | 36.6 ***              | 25     | 54.9 **         | 25     | 12.9 ***    | 25     | 633                 | 25     | 23.4 o            | 25     | 4425 ***             |
| STEINAR   | 29     | 38.1                  | 29     | 52.9 ***        | 29     | 12.1 ***    | 29     | 647 o               | 29     | 22.7 ***          | 29     | 4851 ***             |

# Kaura, 2004-2011, Viralliset kokeet

Oats, *Avena sativa* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike              | kpl    | Tjp<br>g              | kpl    | Hlp<br>kg       | kpl    | Valk.-<br>% | kpl    | Valk.sato<br>kg/ha  | kpl    | Kuori-<br>%       | kpl    | Ydin-<br>sato        |
|---------------------|--------|-----------------------|--------|-----------------|--------|-------------|--------|---------------------|--------|-------------------|--------|----------------------|
| Variety             | trials | 1000 seed<br>weight g | trials | HI weight<br>kg | trials | Prot.-<br>% | trials | Prot.yield<br>kg/ha | trials | Hull<br>Content % | trials | Groat yield<br>kg/ha |
| JULIUS              | 30     | 38.2                  | 30     | 53.1 ***        | 30     | 12.9 ***    | 30     | 628                 | 30     | 22.4 ***          | 30     | 4476 ***             |
| BESSIN              | 14     | 40.0 ***              | 14     | 54.9 *          | 14     | 12.5 ***    | 14     | 633                 | 14     | 23.1 *            | 14     | 4585 ***             |
| MIRELLA             | 20     | 36.7 ***              | 20     | 52.9 ***        | 20     | 12.0 ***    | 20     | 632                 | 20     | 22.8 ***          | 20     | 4789 ***             |
| VIVIANA             | 32     | 39.0 ***              | 32     | 53.3 ***        | 32     | 12.0 ***    | 32     | 639                 | 32     | 24.4 ***          | 32     | 4742 ***             |
| BOR 07036           | 8      | 38.7                  | 8      | 54.2            | 8      | 12.0 ***    | 8      | 645                 | 8      | 21.7 ***          | 8      | 4902 ***             |
| FLOCKE              | 16     | 39.1 **               | 16     | 54.5            | 16     | 12.0 ***    | 16     | 624                 | 16     | 21.2 ***          | 16     | 4800 ***             |
| BETTINA             | 28     | 39.3 ***              | 28     | 53.7 *          | 28     | 11.9 ***    | 28     | 641                 | 28     | 23.9              | 28     | 4803 ***             |
| NORD 09/128         | 16     | 44.3 ***              | 16     | 54.5            | 16     | 11.8 ***    | 16     | 654 *               | 16     | 23.0 ***          | 16     | 4980 ***             |
| IIRIS               | 22     | 42.0 ***              | 22     | 54.3            | 22     | 12.3 ***    | 22     | 638                 | 22     | 22.8 ***          | 22     | 4722 ***             |
| NORD 10/316         | 2      | 43.7 ***              | 2      | 54.8            | 2      | 11.2 ***    | 2      | 694 o               | 2      | 21.0 ***          | 2      | 5484 ***             |
| CHARLY              | 16     | 41.7 ***              | 16     | 53.5 *          | 16     | 12.9 ***    | 16     | 677 ***             | 16     | 20.9 ***          | 16     | 4877 ***             |
| NORD 09/307 (ROCKY) | 16     | 40.7 ***              | 16     | 54.1            | 16     | 12.3 ***    | 16     | 657 *               | 16     | 21.6 ***          | 16     | 4916 ***             |
| SW INGEBORG         | 26     | 41.9 ***              | 26     | 54.4            | 26     | 12.1 ***    | 26     | 617                 | 25     | 23.8              | 25     | 4554 ***             |
| IVORY               | 21     | 47.2 ***              | 21     | 53.7 o          | 21     | 12.2 ***    | 21     | 571 ***             | 20     | 22.3 ***          | 20     | 4303 ***             |
| NORD 10/324         | 8      | 40.9 ***              | 8      | 54.5            | 8      | 11.5 ***    | 8      | 639                 | 8      | 23.1 o            | 8      | 4909 ***             |
| BELINDA             | 70     | 39.4 ***              | 70     | 53.2 ***        | 70     | 12.0 ***    | 70     | 634                 | 70     | 23.8              | 70     | 4728 ***             |
| NORD 09/127         | 16     | 39.2 **               | 16     | 54.4            | 16     | 11.6 ***    | 16     | 645                 | 16     | 23.4              | 16     | 4952 ***             |
| BAUB 2008.1978      | 2      | 46.9 ***              | 2      | 54.9            | 2      | 11.8 ***    | 2      | 686 o               | 2      | 19.6 ***          | 2      | 5272 ***             |
| BAUB 2008.1979      | 2      | 43.0 ***              | 2      | 53.7            | 2      | 11.9 ***    | 2      | 642                 | 2      | 20.6 ***          | 2      | 4892 ***             |
| AVENUA              | 13     | 32.1 ***              | 13     | 67.5 ***        | 13     | 16.5 ***    | 13     | 516 ***             | 13     | 1.6 ***           | 13     | 3561 ***             |

# Kaura, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Oats, *Avena sativa* L., 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    | Vyöhyke I |                          |                | Vyöhyke II |                           |                | Vyöhyke III |                            |                | Vyöhyke IV |                           |                |
|-----------|-----------|--------------------------|----------------|------------|---------------------------|----------------|-------------|----------------------------|----------------|------------|---------------------------|----------------|
|           | kpl       | Sato<br>kg/ha            | Suhde-<br>luku | kpl        | Sato<br>kg/ha             | Suhde-<br>luku | kpl         | Sato<br>kg/ha              | Suhde-<br>luku | kpl        | Sato<br>kg/ha             | Suhde-<br>luku |
| Variety   | trials    | Zone I<br>Yield<br>kg/ha | rel.           | trials     | Zone II<br>Yield<br>kg/ha | rel.           | trials      | Zone III<br>Yield<br>kg/ha | rel.           | trials     | Zone IV<br>Yield<br>kg/ha | rel.           |
| EEMELI    | =C 19     | 4923                     | 100            | 16         | 5300                      | 100            | 25          | 5360                       | 100            | 16         | 5026                      | 100            |
| BOR 07011 | 1         | 5597                     | 114 *          | 2          | 5641                      | 106            | 3           | 5487                       | 102            | 2          | 5750                      | 114 *          |
| BOR 07015 | 1         | 5011                     | 102            | 2          | 5719                      | 108            | 3           | 5603                       | 105            | 2          | 5264                      | 105            |
| ASLAK     | 1         | 5240                     | 106            | 4          | 5595                      | 106            | 6           | 5682                       | 106 o          | 6          | 5237                      | 104            |
| SOFIINA   | 6         | 5492                     | 112 ***        | 6          | 5464                      | 103            | 9           | 5600                       | 104            | 6          | 5292                      | 105            |
| VELI      | 15        | 4741                     | 96 o           | 11         | 5117                      | 97             | 16          | 5391                       | 101            | 8          | 5035                      | 100            |
| AARRE     | 1         | 4900                     | 100            | 4          | 5269                      | 99             | 5           | 5514                       | 103            | 5          | 5000                      | 99             |
| AKSELI    | 6         | 5626                     | 114 ***        | 7          | 6142                      | 116 ***        | 9           | 5972                       | 111 ***        | 7          | 5791                      | 115 ***        |
| SW VAASA  | 5         | 5060                     | 103            | 5          | 5337                      | 101            | 7           | 5673                       | 106 o          | 5          | 5416                      | 108 *          |
| VENLA     | 4         | 5015                     | 102            | 10         | 5401                      | 102            | 13          | 5614                       | 105 *          | 12         | 5421                      | 108 **         |
| PEPPI     | 7         | 5209                     | 106 *          | 13         | 5312                      | 100            | 15          | 5436                       | 101            | 7          | 4981                      | 99             |
| MARIKA    | 6         | 5509                     | 112 ***        | 9          | 5679                      | 107 *          | 13          | 5517                       | 103            | 11         | 5610                      | 112 ***        |
| FIIA      | 5         | 5283                     | 107 *          | 6          | 5402                      | 102            | 8           | 5616                       | 105 o          | 6          | 5368                      | 107 o          |
| BOR 05034 | 2         | 5850                     | 119 ***        | 4          | 5786                      | 109 o          | 7           | 5848                       | 109 **         | 4          | 5614                      | 112 **         |
| RINGSAKER | 6         | 5704                     | 116 ***        | 9          | 6095                      | 115 ***        | 13          | 6102                       | 114 ***        | 8          | 6255                      | 124 ***        |
| ROOPE     | 27        | 5745                     | 117 ***        | 17         | 6078                      | 115 ***        | 27          | 6022                       | 112 ***        | 14         | 5853                      | 116 ***        |
| SUOMI     | 2         | 5282                     | 107 o          | 4          | 5969                      | 113 **         | 3           | 5431                       | 101            | 1          | 5510                      | 110            |
| EFFEKTIV  | 12        | 5701                     | 116 ***        | 8          | 5994                      | 113 ***        | 5           | 5492                       | 102            |            |                           |                |
| STEINAR   | 15        | 6139                     | 125 ***        | 8          | 6461                      | 122 ***        | 6           | 6145                       | 115 ***        |            |                           |                |
| JULIUS    | 12        | 5629                     | 114 ***        | 9          | 5897                      | 111 **         | 8           | 5768                       | 108 **         | 1          | 5778                      | 115 o          |
| BESSIN    | 6         | 5789                     | 118 ***        | 5          | 6226                      | 117 ***        | 3           | 5832                       | 109 *          |            |                           |                |

## Kaura, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Oats, *Avena sativa* L., 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike              | Vyöhyke I |                |                | Vyöhyke II |                |                | Vyöhyke III |                |                | Vyöhyke IV |                |                |
|---------------------|-----------|----------------|----------------|------------|----------------|----------------|-------------|----------------|----------------|------------|----------------|----------------|
|                     | kpl       | Sato<br>kg/ha  | Suhde-<br>luku | kpl        | Sato<br>kg/ha  | Suhde-<br>luku | kpl         | Sato<br>kg/ha  | Suhde-<br>luku | kpl        | Sato<br>kg/ha  | Suhde-<br>luku |
| Variety             | trials    | Yield<br>kg/ha | rel.           | trials     | Yield<br>kg/ha | rel.           | trials      | Yield<br>kg/ha | rel.           | trials     | Yield<br>kg/ha | rel.           |
| MIRELLA             | 9         | 5972           | 121 ***        | 5          | 6589           | 124 ***        | 5           | 6053           | 113 ***        | 1          | 6299           | 125 **         |
| VIVIANA             | 17        | 6166           | 125 ***        | 9          | 6420           | 121 ***        | 6           | 6190           | 115 ***        |            |                |                |
| BOR 07036           | 4         | 6118           | 124 ***        | 2          | 6567           | 124 ***        | 2           | 6157           | 115 **         |            |                |                |
| FLOCKE              | 8         | 5858           | 119 ***        | 4          | 6312           | 119 ***        | 4           | 6271           | 117 ***        |            |                |                |
| BETTINA             | 14        | 6313           | 128 ***        | 7          | 6325           | 119 ***        | 7           | 6160           | 115 ***        |            |                |                |
| NORD 09/128         | 8         | 6264           | 127 ***        | 4          | 6480           | 122 ***        | 4           | 6719           | 125 ***        |            |                |                |
| IIRIS               | 11        | 5983           | 122 ***        | 6          | 6272           | 118 ***        | 5           | 6047           | 113 ***        |            |                |                |
| NORD 10/316         | 1         | 6634           | 135 ***        |            |                |                | 1           | 7197           | 134 ***        |            |                |                |
| CHARLY              | 8         | 5997           | 122 ***        | 4          | 6343           | 120 ***        | 4           | 6259           | 117 ***        |            |                |                |
| NORD 09/307 (ROCKY) | 8         | 6125           | 124 ***        | 4          | 6438           | 121 ***        | 4           | 6275           | 117 ***        |            |                |                |
| SW INGEBORG         | 12        | 5971           | 121 ***        | 6          | 6143           | 116 ***        | 8           | 5810           | 108 **         |            |                |                |
| IVORY               | 7         | 5601           | 114 ***        | 6          | 5664           | 107 o          | 7           | 5273           | 98             | 1          | 6184           | 123 **         |
| NORD 10/324         | 4         | 6174           | 125 ***        | 2          | 6195           | 117 **         | 2           | 6843           | 128 ***        |            |                |                |
| BELINDA             | 32        | 6146           | 125 ***        | 19         | 6370           | 120 ***        | 19          | 6039           | 113 ***        |            |                |                |
| NORD 09/127         | 8         | 6117           | 124 ***        | 4          | 6785           | 128 ***        | 4           | 6703           | 125 ***        |            |                |                |
| BAUB 2008.1978      | 1         | 6046           | 123 ***        |            |                |                | 1           | 7043           | 131 ***        |            |                |                |
| BAUB 2008.1979      | 1         | 5625           | 114 *          |            |                |                | 1           | 6646           | 124 ***        |            |                |                |
| AVENUDA             | 6         | 3522           | 72 ***         | 4          | 3853           | 73 ***         | 3           | 3299           | 62 ***         |            |                |                |

# Kaura, 2004-2011, Viralliset kokeet: Luokittelu maalajeittain

Oats, *Avena sativa* L., 2004-2011, Official variety trials: Classification according to soil types

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    | kpl    | Karkeat<br>kiv. maat<br>kg/ha | Suhde-<br>luku | kpl    | Savimaat<br>kg/ha | Suhde-<br>luku | kpl    | Multamaat<br>kg/ha | Suhde-<br>luku | kpl    | Liejusavi<br>kg/ha   | Suhde-<br>luku |
|-----------|--------|-------------------------------|----------------|--------|-------------------|----------------|--------|--------------------|----------------|--------|----------------------|----------------|
| Variety   | trials | Coarse mineral<br>kg/ha       | rel.           | trials | Clay<br>kg/ha     | rel.           | trials | Mould<br>kg/ha     | rel.           | trials | Gyttja clay<br>kg/ha | rel.           |
| EEMELI    | =C 20  | 4970                          | 100            | 26     | 5111              | 100            | 23     | 5338               | 100            | 6      | 5105                 | 100            |
| BOR 07011 | 5      | 5337                          | 107            | 1      | 5643              | 110            | o 2    | 6022               | 113            | *      |                      |                |
| BOR 07015 | 5      | 5358                          | 108            | 1      | 5057              | 99             | 2      | 5735               | 107            |        |                      |                |
| ASLAK     | 6      | 5073                          | 102            | 3      | 5624              | 110            | ** 7   | 5582               | 105            |        |                      |                |
| SOFIINA   | 7      | 4962                          | 100            | 8      | 5516              | 108            | ** 11  | 5662               | 106            | *      | 1                    | 6043 118 *     |
| VELI      | 14     | 4857                          | 98             | 23     | 4976              | 97             | 9      | 5353               | 100            | 3      | 4825                 | 95             |
| AARRE     | 5      | 4857                          | 98             | 3      | 5321              | 104            | 6      | 5386               | 101            |        |                      |                |
| AKSELI    | 8      | 5534                          | 111 **         | 8      | 5859              | 115 ***        | 12     | 6073               | 114 ***        | 1      | 6145                 | 120 *          |
| SW VAASA  | 6      | 5127                          | 103            | 7      | 5242              | 103            | 6      | 5734               | 107 *          | 2      | 5120                 | 100            |
| VENLA     | 10     | 5221                          | 105            | 7      | 5268              | 103            | 19     | 5611               | 105 *          | 2      | 5253                 | 103            |
| PEPPI     | 8      | 4814                          | 97             | 13     | 5194              | 102            | 19     | 5479               | 103            | 1      | 5545                 | 109            |
| MARIKA    | 13     | 5441                          | 109 **         | 9      | 5419              | 106 **         | 14     | 5602               | 105 o          | 2      | 5698                 | 112 o          |
| FIIA      | 4      | 5145                          | 104            | 8      | 5428              | 106 *          | 11     | 5593               | 105            | 1      | 5146                 | 101            |
| BOR 05034 | 6      | 5563                          | 112 **         | 5      | 5673              | 111 ***        | 6      | 5986               | 112 **         |        |                      |                |
| RINGSAKER | 14     | 6044                          | 122 ***        | 9      | 5802              | 114 ***        | 12     | 6179               | 116 ***        | 1      | 5859                 | 115 o          |
| ROOPE     | 20     | 5725                          | 115 ***        | 38     | 5792              | 113 ***        | 21     | 6126               | 115 ***        | 5      | 6008                 | 118 ***        |
| SUOMI     | 1      | 5335                          | 107            | 2      | 5362              | 105            | 5      | 5853               | 110 *          | 1      | 5305                 | 104            |
| EFFEKTIV  | 3      | 5557                          | 112 *          | 11     | 5553              | 109 ***        | 7      | 5820               | 109 **         | 3      | 6388                 | 125 ***        |
| STEINAR   | 3      | 5537                          | 111 o          | 13     | 6134              | 120 ***        | 9      | 6569               | 123 ***        | 4      | 6536                 | 128 ***        |
| JULIUS    | 3      | 5491                          | 110 o          | 13     | 5567              | 109 ***        | 10     | 6007               | 113 ***        | 3      | 6054                 | 119 ***        |
| BESSIN    | 1      | 5820                          | 117 o          | 8      | 5907              | 116 ***        | 2      | 6086               | 114 *          | 2      | 5958                 | 117 **         |



# Kaura, 2004-2011, Viralliset kokeet: Luokittelu maalajeittain

Oats, *Avena sativa* L., 2004-2011, Official variety trials: Classification according to soil types

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike              | kpl    | Karkeat<br>kiv. maat<br>kg/ha | Suhde-<br>luku |  | kpl    | Savimaat<br>kg/ha | Suhde-<br>luku |  | kpl    | Multamaat<br>kg/ha | Suhde-<br>luku |  | kpl    | Liejusavi<br>kg/ha   | Suhde-<br>luku |
|---------------------|--------|-------------------------------|----------------|--|--------|-------------------|----------------|--|--------|--------------------|----------------|--|--------|----------------------|----------------|
| Variety             | trials | Coarse mineral<br>kg/ha       | rel.           |  | trials | Clay<br>kg/ha     | rel.           |  | trials | Mould<br>kg/ha     | rel.           |  | trials | Gyttja clay<br>kg/ha | rel.           |
| MIRELLA             | 4      | 5807                          | 117 **         |  | 10     | 6089              | 119 ***        |  | 5      | 6450               | 121 ***        |  | 1      | 6242                 | 122 **         |
| VIVIANA             | 2      | 5491                          | 110            |  | 17     | 6208              | 121 ***        |  | 8      | 6667               | 125 ***        |  | 4      | 6453                 | 126 ***        |
| BOR 07036           | 3      | 6124                          | 123 ***        |  | 2      | 6076              | 119 ***        |  | 1      | 6614               | 124 **         |  | 2      | 6507                 | 127 ***        |
| FLOCKE              | 4      | 6302                          | 127 ***        |  | 6      | 6010              | 118 ***        |  | 3      | 6066               | 114 **         |  | 3      | 6056                 | 119 ***        |
| BETTINA             | 4      | 5628                          | 113 *          |  | 14     | 6302              | 123 ***        |  | 7      | 6376               | 119 ***        |  | 3      | 6744                 | 132 ***        |
| NORD 09/128         | 4      | 6555                          | 132 ***        |  | 6      | 6258              | 122 ***        |  | 3      | 6461               | 121 ***        |  | 3      | 6731                 | 132 ***        |
| IIRIS               | 3      | 5609                          | 113 *          |  | 10     | 6072              | 119 ***        |  | 6      | 6315               | 118 ***        |  | 3      | 6195                 | 121 ***        |
| NORD 10/316         | 1      | 6436                          | 130 **         |  |        |                   |                |  |        |                    |                |  | 1      | 6935                 | 136 ***        |
| CHARLY              | 4      | 6310                          | 127 ***        |  | 6      | 6047              | 118 ***        |  | 3      | 6091               | 114 **         |  | 3      | 6341                 | 124 ***        |
| NORD 09/307 (ROCKY) | 4      | 6291                          | 127 ***        |  | 7      | 6156              | 120 ***        |  | 3      | 6243               | 117 ***        |  | 2      | 6544                 | 128 ***        |
| SW INGEBORG         | 3      | 5690                          | 114 *          |  | 12     | 5898              | 115 ***        |  | 6      | 6190               | 116 ***        |  | 4      | 6101                 | 120 ***        |
| IVORY               | 2      | 5106                          | 103            |  | 9      | 5468              | 107 **         |  | 7      | 5748               | 108 *          |  | 2      | 5631                 | 110 o          |
| NORD 10/324         | 3      | 6579                          | 132 ***        |  | 2      | 6056              | 118 ***        |  | 1      | 5875               | 110            |  | 2      | 6640                 | 130 ***        |
| BELINDA             | 12     | 5706                          | 115 ***        |  | 36     | 6231              | 122 ***        |  | 14     | 6305               | 118 ***        |  | 7      | 6310                 | 124 ***        |
| NORD 09/127         | 4      | 6591                          | 133 ***        |  | 6      | 6298              | 123 ***        |  | 3      | 6767               | 127 ***        |  | 3      | 6289                 | 123 ***        |
| BAUB 2008.1978      | 1      | 6282                          | 126 **         |  |        |                   |                |  |        |                    |                |  | 1      | 6347                 | 124 **         |
| BAUB 2008.1979      | 1      | 5885                          | 118 o          |  |        |                   |                |  |        |                    |                |  | 1      | 5926                 | 116 *          |
| AVENUDA             |        |                               |                |  | 8      | 3553              | 70 ***         |  | 2      | 3837               | 72 ***         |  | 2      | 3457                 | 68 ***         |

**Kaura, 2004-2011, Viralliset kokeet: Luokittelu vuosittain**Oats, *Avena sativa* L., 2004-2011, Official variety trials: Classification according to year

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    |    | kpl    | Vuosi 2008 | Suhde-  |  | kpl    | Vuosi 2009 | Suhde-  |  | kpl    | Vuosi 2010 | Suhde-  |  | kpl    | Vuosi 2011 | Suhde-  |
|-----------|----|--------|------------|---------|--|--------|------------|---------|--|--------|------------|---------|--|--------|------------|---------|
|           |    |        | kg/ha      | luku    |  |        | kg/ha      | luku    |  |        | kg/ha      | luku    |  |        | kg/ha      | luku    |
| Variety   |    | trials | Year 2008  |         |  | trials | Year 2009  |         |  | trials | Year 2010  |         |  | trials | Year 2011  |         |
|           |    |        | kg/ha      | rel.    |  |        | kg/ha      | rel.    |  |        | kg/ha      | rel.    |  |        | kg/ha      | rel.    |
| EEMELI    | =C | 10     | 4703       | 100     |  | 12     | 5827       | 100     |  | 12     | 4909       | 100     |  | 11     | 4499       | 100     |
| BOR 07011 |    |        |            |         |  |        |            |         |  |        |            |         |  | 8      | 4995       | 111 **  |
| BOR 07015 |    |        |            |         |  |        |            |         |  |        |            |         |  | 8      | 4863       | 108 *   |
| ASLAK     |    | 3      | 5101       | 108     |  |        |            |         |  |        |            |         |  |        |            |         |
| SOFIINA   |    | 8      | 5276       | 112 **  |  | 5      | 6395       | 110 **  |  | 5      | 5195       | 106 o   |  |        |            |         |
| VELI      |    |        |            |         |  |        |            |         |  |        |            |         |  |        |            |         |
| AARRE     |    | 3      | 4884       | 104     |  |        |            |         |  |        |            |         |  |        |            |         |
| AKSELI    |    | 8      | 5704       | 121 *** |  | 5      | 6551       | 112 *** |  | 5      | 5434       | 111 *** |  | 2      | 5612       | 125 *** |
| SW VAASA  |    |        |            |         |  |        |            |         |  |        |            |         |  |        |            |         |
| VENLA     |    | 5      | 5126       | 109 o   |  | 5      | 6100       | 105     |  | 3      | 5174       | 105     |  | 2      | 4916       | 109     |
| PEPPI     |    | 3      | 5217       | 111 o   |  | 4      | 6151       | 106     |  | 4      | 4735       | 96      |  | 2      | 4527       | 101     |
| MARIKA    |    | 6      | 5573       | 118 *** |  | 5      | 6305       | 108 *   |  | 4      | 4787       | 98      |  |        |            |         |
| FIIA      |    | 4      | 5531       | 118 **  |  | 4      | 6249       | 107 *   |  |        |            |         |  |        |            |         |
| BOR 05034 |    |        |            |         |  |        |            |         |  | 9      | 5292       | 108 **  |  | 8      | 5223       | 116 *** |
| RINGSAKER |    | 5      | 5633       | 120 *** |  | 5      | 6703       | 115 *** |  | 4      | 5652       | 115 *** |  | 4      | 5682       | 126 *** |
| ROOPE     |    | 11     | 5540       | 118 *** |  | 12     | 6884       | 118 *** |  | 12     | 5491       | 112 *** |  |        |            |         |
| SUOMI     |    | 1      | 5843       | 124 *   |  |        |            |         |  |        |            |         |  |        |            |         |
| EFFEKTIV  |    | 4      | 5399       | 115 **  |  |        |            |         |  |        |            |         |  |        |            |         |
| STEINAR   |    | 8      | 5787       | 123 *** |  | 4      | 7418       | 127 *** |  | 4      | 5879       | 120 *** |  | 2      | 5970       | 133 *** |

# Kaura, 2004-2011, Viralliset kokeet: Luokittelu vuosittain

Oats, *Avena sativa* L., 2004-2011, Official variety trials: Classification according to year

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike              | kpl    | Vuosi 2008 | Suhde-  |  | kpl    | Vuosi 2009 | Suhde-  |  | kpl    | Vuosi 2010 | Suhde-  |  | kpl    | Vuosi 2011 | Suhde-  |
|---------------------|--------|------------|---------|--|--------|------------|---------|--|--------|------------|---------|--|--------|------------|---------|
|                     |        | kg/ha      | luku    |  |        | kg/ha      | luku    |  |        | kg/ha      | luku    |  |        | kg/ha      | luku    |
| Variety             | trials | Year 2008  |         |  | trials | Year 2009  |         |  | trials | Year 2010  |         |  | trials | Year 2011  |         |
|                     |        | kg/ha      | rel.    |  |        | kg/ha      | rel.    |  |        | kg/ha      | rel.    |  |        | kg/ha      | rel.    |
| JULIUS              | 4      | 5513       | 117 **  |  | 3      | 6753       | 116 *** |  |        |            |         |  |        |            |         |
| BESSIN              |        |            |         |  |        |            |         |  |        |            |         |  |        |            |         |
| MIRELLA             |        |            |         |  | 8      | 7282       | 125 *** |  | 8      | 5678       | 116 *** |  | 4      | 5523       | 123 *** |
| VIVIANA             | 4      | 5723       | 122 *** |  | 4      | 7669       | 132 *** |  | 2      | 5745       | 117 *** |  | 2      | 5656       | 126 *** |
| BOR 07036           |        |            |         |  |        |            |         |  |        |            |         |  | 8      | 5690       | 126 *** |
| FLOCKE              |        |            |         |  |        |            |         |  | 8      | 5750       | 117 *** |  | 8      | 5483       | 122 *** |
| BETTINA             | 8      | 5771       | 123 *** |  |        |            |         |  | 4      | 6253       | 127 *** |  |        |            |         |
| NORD 09/128         |        |            |         |  |        |            |         |  | 8      | 5907       | 120 *** |  | 8      | 6040       | 134 *** |
| IIRIS               | 8      | 5604       | 119 *** |  | 8      | 7128       | 122 *** |  | 4      | 5851       | 119 *** |  | 2      | 5384       | 120 **  |
| NORD 10/316         |        |            |         |  |        |            |         |  |        |            |         |  | 2      | 6377       | 142 *** |
| CHARLY              |        |            |         |  |        |            |         |  | 8      | 5776       | 118 *** |  | 8      | 5605       | 125 *** |
| NORD 09/307 (ROCKY) |        |            |         |  | 2      | 7299       | 125 *** |  | 6      | 5943       | 121 *** |  | 8      | 5615       | 125 *** |
| SW INGEBORG         | 4      | 5765       | 123 *** |  | 4      | 7052       | 121 *** |  |        |            |         |  |        |            |         |
| IVORY               | 3      | 4797       | 102     |  |        |            |         |  |        |            |         |  |        |            |         |
| NORD 10/324         |        |            |         |  |        |            |         |  |        |            |         |  | 8      | 5796       | 129 *** |
| BELINDA             | 8      | 5575       | 119 *** |  | 8      | 7224       | 124 *** |  | 8      | 5708       | 116 *** |  | 8      | 5586       | 124 *** |
| NORD 09/127         |        |            |         |  |        |            |         |  | 8      | 6175       | 126 *** |  | 8      | 5769       | 128 *** |
| BAUB 2008.1978      |        |            |         |  |        |            |         |  |        |            |         |  | 2      | 6006       | 133 *** |
| BAUB 2008.1979      |        |            |         |  |        |            |         |  |        |            |         |  | 2      | 5597       | 124 *** |
| AVENUDA             |        |            |         |  |        |            |         |  |        |            |         |  |        |            |         |

**Kaura, 2004-2011, Viralliset kokeet: Luokittelu satotason mukaan**Oats, *Avena sativa* L., 2004-2011, Official variety trials: Classification according to average yield level of trial

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    | kpl    | Alhainen taso<br>kg/ha | Suhde-<br>luku |     | kpl    | Keskimääräinen taso<br>kg/ha | Suhde-<br>luku |     | kpl    | Korkea taso<br>kg/ha | Suhde-<br>luku |
|-----------|--------|------------------------|----------------|-----|--------|------------------------------|----------------|-----|--------|----------------------|----------------|
| Variety   | trials | Low level<br>kg/ha     | rel.           |     | trials | Average level<br>kg/ha       | rel.           |     | trials | High level<br>kg/ha  | rel.           |
| EEMELI    | =C 22  | 3898                   | 100            |     | 26     | 5154                         | 100            |     | 28     | 6234                 | 100            |
| BOR 07011 | 4      | 4325                   | 111            | *   | 2      | 5356                         | 104            |     | 2      | 6763                 | 108 o          |
| BOR 07015 | 4      | 4095                   | 105            |     | 2      | 5502                         | 107            |     | 2      | 6549                 | 105            |
| ASLAK     | 2      | 3892                   | 100            |     | 8      | 5523                         | 107            | *   | 7      | 6555                 | 105 o          |
| SOFIINA   | 8      | 4060                   | 104            |     | 7      | 5583                         | 108            | **  | 12     | 6548                 | 105 *          |
| VELI      | 13     | 3729                   | 96             |     | 21     | 5115                         | 99             |     | 16     | 6097                 | 98             |
| AARRE     | 2      | 3870                   | 99             |     | 6      | 5296                         | 103            |     | 7      | 6239                 | 100            |
| AKSELI    | 8      | 4395                   | 113            | *** | 7      | 5836                         | 113            | *** | 14     | 7092                 | 114 ***        |
| SW VAASA  | 6      | 4065                   | 104            |     | 9      | 5429                         | 105            | o   | 7      | 6423                 | 103            |
| VENLA     | 4      | 3955                   | 101            |     | 17     | 5486                         | 106            | **  | 18     | 6462                 | 104 o          |
| PEPPI     | 6      | 3932                   | 101            |     | 17     | 5328                         | 103            |     | 19     | 6256                 | 100            |
| MARIKA    | 10     | 4252                   | 109            | **  | 17     | 5482                         | 106            | **  | 12     | 6726                 | 108 ***        |
| FIIA      | 2      | 4148                   | 106            |     | 14     | 5484                         | 106            | **  | 9      | 6420                 | 103            |
| BOR 05034 | 8      | 4532                   | 116            | *** | 2      | 5438                         | 106            |     | 7      | 6803                 | 109 ***        |
| RINGSAKER | 8      | 4810                   | 123            | *** | 11     | 6020                         | 117            | *** | 17     | 7099                 | 114 ***        |
| ROOPE     | 24     | 4552                   | 117            | *** | 29     | 5918                         | 115            | *** | 32     | 7034                 | 113 ***        |
| SUOMI     | 2      | 4347                   | 112            | o   | 2      | 5172                         | 100            |     | 6      | 6813                 | 109 **         |
| EFFEKTIV  | 8      | 4442                   | 114            | *** | 6      | 5634                         | 109            | **  | 11     | 6931                 | 111 ***        |
| STEINAR   | 7      | 4829                   | 124            | *** | 9      | 6168                         | 120            | *** | 13     | 7450                 | 120 ***        |
| JULIUS    | 8      | 4427                   | 114            | *** | 9      | 5594                         | 109            | **  | 13     | 6952                 | 112 ***        |
| BESSIN    | 2      | 4944                   | 127            | *** | 7      | 5926                         | 115            | *** | 5      | 6945                 | 111 ***        |

# Kaura, 2004-2011, Viralliset kokeet: Luokittelu satotason mukaan

Oats, *Avena sativa* L., 2004-2011, Official variety trials: Classification according to average yield level of trial

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike              | kpl    | Alhainen taso<br>kg/ha | Suhde-<br>luku | kpl    | Keskimääräinen taso<br>kg/ha | Suhde-<br>luku | kpl    | Korkea taso<br>kg/ha | Suhde-<br>luku |
|---------------------|--------|------------------------|----------------|--------|------------------------------|----------------|--------|----------------------|----------------|
| Variety             | trials | Low level<br>kg/ha     | rel.           | trials | Average level<br>kg/ha       | rel.           | trials | High level<br>kg/ha  | rel.           |
| MIRELLA             | 7      | 4737                   | 122 ***        | 3      | 6555                         | 127 ***        | 10     | 7272                 | 117 ***        |
| VIVIANA             | 8      | 4877                   | 125 ***        | 8      | 6103                         | 118 ***        | 16     | 7475                 | 120 ***        |
| BOR 07036           | 5      | 4933                   | 127 ***        | 2      | 6378                         | 124 ***        | 1      | 7489                 | 120 **         |
| FLOCKE              | 10     | 4837                   | 124 ***        | 2      | 6246                         | 121 ***        | 4      | 7050                 | 113 ***        |
| BETTINA             | 11     | 5008                   | 128 ***        | 7      | 6136                         | 119 ***        | 10     | 7451                 | 120 ***        |
| NORD 09/128         | 10     | 5174                   | 133 ***        | 2      | 6690                         | 130 ***        | 4      | 7412                 | 119 ***        |
| IIRIS               | 4      | 4818                   | 124 ***        | 7      | 6089                         | 118 ***        | 11     | 7194                 | 115 ***        |
| NORD 10/316         | 1      | 5837                   | 150 ***        | 1      | 6856                         | 133 ***        |        |                      |                |
| CHARLY              | 10     | 4962                   | 127 ***        | 2      | 6190                         | 120 ***        | 4      | 7061                 | 113 ***        |
| NORD 09/307 (ROCKY) | 8      | 5008                   | 128 ***        | 2      | 6402                         | 124 ***        | 6      | 7275                 | 117 ***        |
| SW INGEBORG         | 3      | 4933                   | 127 ***        | 14     | 5824                         | 113 ***        | 9      | 7176                 | 115 ***        |
| IVORY               | 2      | 4494                   | 115 *          | 11     | 5327                         | 103            | 8      | 6806                 | 109 ***        |
| NORD 10/324         | 5      | 5237                   | 134 ***        | 2      | 6415                         | 124 ***        | 1      | 6750                 | 108            |
| BELINDA             | 23     | 4891                   | 125 ***        | 23     | 6034                         | 117 ***        | 24     | 7413                 | 119 ***        |
| NORD 09/127         | 10     | 5118                   | 131 ***        | 2      | 6451                         | 125 ***        | 4      | 7665                 | 123 ***        |
| BAUB 2008.1978      | 1      | 5683                   | 146 ***        | 1      | 6268                         | 122 **         |        |                      |                |
| BAUB 2008.1979      | 1      | 5286                   | 136 ***        | 1      | 5847                         | 113 o          |        |                      |                |
| AVENUDA             | 1      | 3024                   | 78 *           | 7      | 3550                         | 69 ***         | 5      | 4543                 | 73 ***         |

**Herne, 2004-2011, Viralliset kokeet**

Pea, *Pisum sativum* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    | kpl    | Sato<br>kg/ha  | Sato-<br>ero        | Suhde-<br>luku | kpl    | Kasvuaika<br>pv   | kpl    | Lako-<br>%    | kpl    | Pituus<br>cm |
|-----------|--------|----------------|---------------------|----------------|--------|-------------------|--------|---------------|--------|--------------|
| Variety   | trials | Yield<br>kg/ha | Yield<br>difference | rel.           | trials | Growing<br>time d | trials | Lodging-<br>% | trials | Length<br>cm |
| KARITA =C | 33     | 3565           | 0                   | 100            | 33     | 96.5              | 25     | 34            | 31     | 60           |
| ROKKA     | 13     | 3742           | 177                 | 105            | 13     | 95.8              | 10     | 31            | 11     | 59           |
| BOR06001  | 5      | 3972           | 407                 | 111            | 5      | 96.5              | 4      | 71 ***        | 5      | 73 o         |
| ROCKET    | 10     | 4278           | 712                 | 120 *          | 10     | 97.0              | 6      | 54 **         | 10     | 76 **        |
| BOR 00006 | 10     | 4362           | 796                 | 122 **         | 10     | 97.3              | 7      | 43            | 10     | 80 ***       |
| BOR 03009 | 10     | 4196           | 631                 | 118 *          | 10     | 97.3              | 6      | 41            | 10     | 82 ***       |
| HULDA     | 17     | 3702           | 136                 | 104            | 17     | 97.6 *            | 14     | 40            | 16     | 84 ***       |
| STOK      | 14     | 3840           | 275                 | 108            | 14     | 97.6 *            | 11     | 53 ***        | 13     | 69 o         |
| TONGA     | 5      | 3764           | 199                 | 106            | 5      | 97.7              | 4      | 68 ***        | 5      | 65           |
| BOR 0008  | 8      | 3546           | -18                 | 99             | 8      | 98.0 *            | 6      | 54 **         | 7      | 66           |
| ZEKON     | 5      | 4268           | 703                 | 120 o          | 5      | 98.0 *            | 5      | 52 **         | 5      | 70           |
| SW E 5053 | 5      | 4546           | 981                 | 128 *          | 5      | 98.3 *            | 4      | 22            | 5      | 88 ***       |
| ANTTI     | 14     | 3999           | 434                 | 112 o          | 14     | 99.4 ***          | 10     | 43 o          | 13     | 88 ***       |
| NITOUCHE  | 12     | 3992           | 427                 | 112 o          | 12     | 99.6 ***          | 10     | 42            | 11     | 65           |
| BRUTUS    | 12     | 4221           | 656                 | 118 **         | 11     | 100.4 ***         | 10     | 45 *          | 10     | 71 *         |

## Herne, 2004-2011, Viralliset kokeet

Pea, *Pisum sativum* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    | kpl    | Tsp<br>g              | kpl    | Valk.-<br>% | kpl    | Kukinnan<br>kesto          | kpl    | Keitto<br>60 min.  | kpl    | Virheetön<br>herne % |
|-----------|--------|-----------------------|--------|-------------|--------|----------------------------|--------|--------------------|--------|----------------------|
| Variety   | trials | 1000 seed<br>weight g | trials | Prot.-<br>% | trials | Strenght of<br>flowering d | trials | Cooking<br>60 min. | trials | Perfect<br>pea %     |
| KARITA =C | 31     | 286                   | 32     | 22.8        | 24     | 14.0                       | 32     | 95.1               | 31     | 84.1                 |
| ROKKA     | 12     | 282                   | 12     | 23.1        | 11     | 13.3                       | 13     | 95.3               | 12     | 83.8                 |
| BOR06001  | 5      | 243 ***               | 5      | 20.3 ***    | 2      | 17.8 o                     | 5      | 96.2               | 5      | 78.7 o               |
| ROCKET    | 10     | 231 ***               | 10     | 20.9 ***    | 5      | 16.0                       | 10     | 90.4 ***           | 10     | 85.0                 |
| BOR 00006 | 10     | 230 ***               | 10     | 21.6 *      | 7      | 17.7 **                    | 9      | 92.0 *             | 10     | 82.7                 |
| BOR 03009 | 10     | 253 ***               | 10     | 22.7        | 5      | 16.2                       | 10     | 95.9               | 10     | 83.0                 |
| HULDA     | 16     | 242 ***               | 16     | 23.3        | 14     | 16.2 **                    | 16     | 96.3               | 15     | 82.4                 |
| STOK      | 13     | 272 *                 | 12     | 22.5        | 12     | 15.3                       | 14     | 96.6               | 12     | 78.7 **              |
| TONGA     | 5      | 253 ***               | 5      | 21.2 *      | 2      | 15.8                       | 5      | 96.8               | 5      | 80.2                 |
| BOR 0008  | 7      | 183 ***               | 7      | 23.5        | 7      | 17.1 **                    | 8      | 94.6               | 7      | 86.1                 |
| ZEKON     | 5      | 213 ***               | 4      | 20.5 **     | 5      | 12.7                       | 5      | 92.8               | 4      | 82.6                 |
| SW E 5053 | 5      | 301                   | 5      | 22.7        | 2      | 14.3                       | 5      | 94.8               | 5      | 84.5                 |
| ANTTI     | 13     | 249 ***               | 14     | 22.3        | 10     | 17.9 ***                   | 13     | 96.2               | 14     | 81.6                 |
| NITOUCHE  | 11     | 283                   | 10     | 22.7        | 10     | 14.6                       | 12     | 96.9               | 10     | 80.0 o               |
| BRUTUS    | 11     | 266 **                | 10     | 23.4        | 10     | 15.7 o                     | 12     | 96.2               | 10     | 82.3                 |

# Herne, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Pea, *Pisum sativum* L., 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    | kpl    | Vyöhyke I<br>Sato<br>kg/ha | Suhde-<br>luku | kpl    | Vyöhyke II<br>Sato<br>kg/ha | Suhde-<br>luku | kpl    | Vyöhyke III<br>Sato<br>kg/ha | Suhde-<br>luku |
|-----------|--------|----------------------------|----------------|--------|-----------------------------|----------------|--------|------------------------------|----------------|
| Variety   | trials | Zone I<br>Yield<br>kg/ha   | rel.           | trials | Zone II<br>Yield<br>kg/ha   | rel.           | trials | Zone III<br>Yield<br>kg/ha   | rel.           |
| KARITA =C | 14     | 3346                       | 100            | 12     | 3728                        | 100            | 7      | 3796                         | 100            |
| ROKKA     | 7      | 3509                       | 105            | 2      | 3728                        | 100            | 4      | 4132                         | 109            |
| BOR06001  | 2      | 4308                       | 129 *          | 2      | 3393                        | 91             | 1      | 4923                         | 130            |
| ROCKET    | 4      | 3994                       | 119 *          | 4      | 4045                        | 108            | 2      | 5687                         | 150 *          |
| BOR 00006 | 4      | 3862                       | 115 o          | 4      | 4465                        | 120 o          | 2      | 5235                         | 138 o          |
| BOR 03009 | 4      | 4184                       | 125 **         | 4      | 4045                        | 108            | 2      | 4901                         | 129            |
| HULDA     | 6      | 3276                       | 98             | 7      | 3685                        | 99             | 4      | 4373                         | 115            |
| STOK      | 6      | 3853                       | 115 *          | 5      | 4119                        | 110            | 3      | 3298                         | 87             |
| TONGA     | 2      | 3943                       | 118            | 2      | 3372                        | 90             | 1      | 4659                         | 123            |
| BOR 0008  | 4      | 3517                       | 105            | 3      | 3501                        | 94             | 1      | 3906                         | 103            |
| ZEKON     | 2      | 4670                       | 140 **         | 2      | 5306                        | 142 **         | 1      | 1327                         | 35 *           |
| SW E 5053 | 2      | 4568                       | 137 **         | 2      | 4128                        | 111            | 1      | 5804                         | 153 o          |
| ANTTI     | 6      | 3845                       | 115 *          | 5      | 3813                        | 102            | 3      | 4677                         | 123            |
| NITOUCHE  | 5      | 3517                       | 105            | 4      | 4260                        | 114            | 3      | 4379                         | 115            |
| BRUTUS    | 5      | 4283                       | 128 ***        | 4      | 4235                        | 114            | 3      | 4049                         | 107            |



## Herne, 2004-2011, Viralliset kokeet: Luokittelu maalajeittain

Pea, *Pisum sativum* L., 2004-2011, Official variety trials: Classification according to soil types

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    | kpl    | Karkeat<br>kiv. maat<br>kg/ha | Sato-<br>ero        | Suhde-<br>luku | kpl    | Savimaat<br>kg/ha | Sato-<br>ero        | Suhde-<br>luku |
|-----------|--------|-------------------------------|---------------------|----------------|--------|-------------------|---------------------|----------------|
| Variety   | trials | Coarse mineral<br>kg/ha       | Yield<br>difference | rel.           | trials | Clay<br>kg/ha     | Yield<br>difference | rel.           |
| KARITA    | =C 6   | 4450                          | 0                   | 100            | 27     | 3415              | 0                   | 100            |
| ROKKA     |        |                               |                     |                | 13     | 3661              | 246                 | 107            |
| BOR06001  | 2      | 3941                          | -508                | 89             | 3      | 4238              | 823                 | 124 o          |
| ROCKET    | 3      | 4792                          | 342                 | 108            | 7      | 4192              | 777                 | 123 *          |
| BOR 00006 | 2      | 4730                          | 280                 | 106            | 8      | 4348              | 933                 | 127 **         |
| BOR 03009 | 3      | 4341                          | -108                | 98             | 7      | 4269              | 854                 | 125 *          |
| HULDA     | 3      | 4221                          | -228                | 95             | 14     | 3656              | 241                 | 107            |
| STOK      | 2      | 4034                          | -415                | 91             | 12     | 3837              | 422                 | 112            |
| TONGA     | 2      | 3872                          | -577                | 87             | 3      | 3938              | 523                 | 115            |
| BOR 0008  | 1      | 3796                          | -653                | 85             | 7      | 3531              | 116                 | 103            |
| ZEKON     | 1      | 5525                          | 1075                | 124            | 4      | 4020              | 605                 | 118            |
| SW E 5053 | 2      | 5037                          | 587                 | 113            | 3      | 4464              | 1049                | 131 *          |
| ANTTI     | 2      | 4741                          | 291                 | 107            | 12     | 3889              | 474                 | 114 o          |
| NITOUCHE  | 1      | 4885                          | 435                 | 110            | 11     | 3896              | 481                 | 114 o          |
| BRUTUS    | 1      | 4075                          | -374                | 92             | 11     | 4219              | 804                 | 124 **         |

[illegible]

### Härkäpapu, 2004-2011, Viralliset kokeet

Broad bean, *Vicia faba*, 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   |    | kpl    | Sato<br>kg/ha  | Sato-<br>ero        | Suhde-<br>luku |   | kpl    | Kasvuaika<br>pv   |  | kpl    | Lämpö-<br>summa    |  | kpl    | Lako-<br>%    |  | kpl    | Pituus<br>cm |
|----------|----|--------|----------------|---------------------|----------------|---|--------|-------------------|--|--------|--------------------|--|--------|---------------|--|--------|--------------|
| Variety  |    | trials | Yield<br>kg/ha | Yield<br>difference | rel.           |   | trials | Growing<br>time d |  | trials | Temperature<br>sum |  | trials | Lodging-<br>% |  | trials | Lenght<br>cm |
| KONTU    | =C | 4      | 3847           | 0                   | 100            |   | 4      | 103.0             |  | 4      | 1184               |  | 3      | 50            |  | 4      | 99           |
| SNOWBIRD |    | 4      | 3185           | -661                | 83             | o | 4      | 110.3 *           |  | 4      | 1247 *             |  | 3      | 35            |  | 4      | 110 **       |

### Härkäpapu, 2004-2011, Viralliset kokeet

Broad bean, *Vicia faba*, 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   |    | kpl    | Tsp<br>g              |  | kpl    | Valk.-<br>% |  | kpl    | Valk.sato<br>kg/ha  |  | kpl    | Kukinnan<br>kesto          |
|----------|----|--------|-----------------------|--|--------|-------------|--|--------|---------------------|--|--------|----------------------------|
| Variety  |    | trials | 1000 seed<br>weight g |  | trials | Prot.-<br>% |  | trials | Prot.yield<br>kg/ha |  | trials | Strenght of<br>flowering d |
| KONTU    | =C | 3      | 365                   |  | 4      | 32.1        |  | 4      | 1050                |  | 3      | 18.3                       |
| SNOWBIRD |    | 3      | 459 *                 |  | 4      | 30.6        |  | 4      | 822 *               |  | 3      | 18.0                       |

## Kevätrypsi, 2004-2011, Viralliset kokeet

Spring turnip rape, *Brassica rapa* L. v. *oleifera* subv. *annua*, 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike       | kpl    | Sato<br>kg/ha  | Sato-<br>ero        | Suhde-<br>luku | kpl    | Kasvuaika<br>pv   | kpl    | Lämpö-<br>summa    | kpl    | Lako-<br>%    | kpl    | Pituus<br>cm | kpl    | Tsp<br>g              |
|--------------|--------|----------------|---------------------|----------------|--------|-------------------|--------|--------------------|--------|---------------|--------|--------------|--------|-----------------------|
| Variety      | trials | Yield<br>kg/ha | Yield<br>difference | rel.           | trials | Growing<br>time d | trials | Temperature<br>sum | trials | Lodging-<br>% | trials | Length<br>cm | trials | 1000 seed<br>weight g |
| SW PETITA =C | 55     | 1987           | 0                   | 100            | 48     | 103.2             | 33     | 1027               | 40     | 43            | 54     | 98           | 55     | 2.8                   |
| VIKKI 1101   | 7      | 1729           | -257                | 87 ***         | 4      | 100.7             | 2      | 1007 *             | 3      | 52 o          | 7      | 90 ***       | 7      | 2.6 ***               |
| AUREA CL     | 27     | 1832           | -154                | 92 ***         | 22     | 100.9 ***         | 13     | 1003 ***           | 17     | 47 o          | 27     | 94 ***       | 27     | 2.5 ***               |
| VALO         | 41     | 1917           | -70                 | 96 **          | 37     | 101.1 ***         | 27     | 1007 ***           | 34     | 54 ***        | 40     | 98           | 41     | 2.6 ***               |
| BOR 07010    | 7      | 1851           | -135                | 93 *           | 4      | 101.7 *           | 2      | 1012               | 3      | 55 **         | 7      | 94 *         | 7      | 2.8                   |
| HOHTO        | 17     | 1903           | -84                 | 96 *           | 15     | 101.8 ***         | 12     | 1013 ***           | 14     | 55 ***        | 16     | 102 ***      | 17     | 2.5 ***               |
| APOLLO       | 29     | 1977           | -9                  | 99             | 26     | 102.8             | 21     | 1025               | 24     | 52 ***        | 28     | 101 ***      | 29     | 2.7 **                |
| EOS          | 29     | 2003           | 15                  | 101            | 27     | 103.0             | 22     | 1026               | 22     | 45            | 28     | 102 ***      | 29     | 2.8                   |
| JULIET       | 22     | 2055           | 67                  | 103 *          | 19     | 103.0             | 12     | 1029               | 15     | 47 o          | 22     | 101 ***      | 22     | 2.6 ***               |
| BOR 05100    | 14     | 2029           | 42                  | 102            | 11     | 103.2             | 6      | 1027               | 6      | 45            | 14     | 100 *        | 14     | 2.6 ***               |
| CORDELIA     | 35     | 2046           | 58                  | 103 *          | 31     | 103.3             | 22     | 1033 o             | 25     | 45            | 34     | 103 ***      | 35     | 2.7 *                 |
| BOR 05075    | 7      | 2030           | 43                  | 102            | 4      | 103.7             | 2      | 1028               | 3      | 45            | 7      | 99           | 7      | 2.7                   |

## Kevättrypsi, 2004-2011, Viralliset kokeet

Spring turnip rape, *Brassica rapa* L. v. *oleifera* subv. *annua*, 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike     | kpl    | Valk.-<br>% |  | kpl    | Valk.sato<br>kg/ha  | kpl    | Kukinnan<br>alku             |  | kpl    | Öljy-<br>(9%)       |  | kpl    | Öljysato<br>kg/ha (9%)  |  | kpl    | Lehtivihreä<br>ppm |
|------------|--------|-------------|--|--------|---------------------|--------|------------------------------|--|--------|---------------------|--|--------|-------------------------|--|--------|--------------------|
| Variety    | trials | Prot.-<br>% |  | trials | Prot.yield<br>kg/ha | trials | Beginning of<br>flowering, d |  | trials | Oil content<br>(9%) |  | trials | Oil yield<br>kg/ha (9%) |  | trials | Chlorophyll<br>ppm |
| SW PETITA  | =C 55  | 22.7        |  | 55     | 403                 | 44     | 40.8                         |  | 55     | 42.4                |  | 55     | 786                     |  | 54     | 10.3               |
| VIKKI 1101 | 7      | 23.5 **     |  | 7      | 363 ***             | 5      | 40.5                         |  | 7      | 37.6 ***            |  | 7      | 641 ***                 |  | 7      | 10.8               |
| AUREA CL   | 27     | 23.7 ***    |  | 27     | 391 o               | 21     | 40.1 ***                     |  | 27     | 39.1 ***            |  | 27     | 666 ***                 |  | 27     | 9.4                |
| VALO       | 41     | 23.7 ***    |  | 41     | 408                 | 34     | 40.5 *                       |  | 41     | 39.7 ***            |  | 41     | 706 ***                 |  | 40     | 9.0                |
| BOR 07010  | 7      | 23.7 ***    |  | 7      | 393                 | 5      | 39.3 ***                     |  | 7      | 40.6 ***            |  | 7      | 703 **                  |  | 7      | 6.7 *              |
| HOHTO      | 17     | 23.3 **     |  | 17     | 401                 | 12     | 41.4 *                       |  | 17     | 39.9 ***            |  | 17     | 704 ***                 |  | 16     | 10.5               |
| APOLLO     | 29     | 23.1 **     |  | 29     | 412                 | 23     | 41.3 **                      |  | 29     | 40.9 ***            |  | 29     | 753 *                   |  | 28     | 7.9 **             |
| EOS        | 29     | 23.3 ***    |  | 29     | 420 **              | 26     | 41.4 **                      |  | 29     | 41.6 ***            |  | 29     | 777                     |  | 28     | 9.7                |
| JULIET     | 22     | 23.1 *      |  | 22     | 425 ***             | 17     | 41.5 ***                     |  | 22     | 41.9 o              |  | 22     | 806                     |  | 22     | 10.2               |
| BOR 05100  | 14     | 23.0        |  | 14     | 419 *               | 10     | 41.2                         |  | 14     | 41.6 *              |  | 14     | 776                     |  | 14     | 8.5                |
| CORDELIA   | 35     | 23.2 ***    |  | 35     | 426 ***             | 30     | 41.6 ***                     |  | 35     | 41.6 ***            |  | 35     | 793                     |  | 34     | 8.7 o              |
| BOR 05075  | 7      | 23.6 **     |  | 7      | 431 *               | 5      | 40.6                         |  | 7      | 42.6                |  | 7      | 786                     |  | 7      | 5.0 **             |

### Kevätrypsi, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Spring turnip rape, *Brassica rapa* L. v. *oleifera* subv. *annua*, 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike      |    |        | Vyöhyke I<br>Sato<br>kg/ha | Suhde-<br>luku |  |        | Vyöhyke II<br>Sato<br>kg/ha | Suhde-<br>luku |  |        | Vyöhyke III<br>Sato<br>kg/ha | Suhde-<br>luku |
|-------------|----|--------|----------------------------|----------------|--|--------|-----------------------------|----------------|--|--------|------------------------------|----------------|
| Variety     |    | trials | Zone I<br>Yield<br>kg/ha   | rel.           |  | trials | Zone II<br>Yield<br>kg/ha   | rel.           |  | trials | Zone III<br>Yield<br>kg/ha   | rel.           |
| SW PETITA   | =C | 24     | 1898                       | 100            |  | 16     | 2189                        | 100            |  | 15     | 1910                         | 100            |
| VIIKKI 1101 |    | 3      | 1648                       | 87 **          |  | 2      | 1928                        | 88 *           |  | 2      | 1639                         | 86 *           |
| AUREA CL    |    | 11     | 1775                       | 94 **          |  | 8      | 1984                        | 91 ***         |  | 8      | 1764                         | 92 *           |
| VALO        |    | 18     | 1841                       | 97             |  | 12     | 2034                        | 93 **          |  | 11     | 1908                         | 100            |
| BOR 07010   |    | 3      | 1739                       | 92 o           |  | 2      | 2014                        | 92 o           |  | 2      | 1844                         | 97             |
| HOHTO       |    | 7      | 1778                       | 94 *           |  | 6      | 2047                        | 94 *           |  | 4      | 1951                         | 102            |
| APOLLO      |    | 11     | 1861                       | 98             |  | 8      | 2142                        | 98             |  | 10     | 1973                         | 103            |
| EOS         |    | 11     | 1929                       | 102            |  | 8      | 2139                        | 98             |  | 10     | 1974                         | 103            |
| JULIET      |    | 8      | 1930                       | 102            |  | 7      | 2206                        | 101            |  | 7      | 2071                         | 108 *          |
| BOR 05100   |    | 6      | 1956                       | 103            |  | 4      | 2155                        | 98             |  | 4      | 1999                         | 105            |
| CORDELIA    |    | 14     | 1957                       | 103            |  | 10     | 2184                        | 100            |  | 11     | 2033                         | 106 *          |
| BOR 05075   |    | 3      | 1958                       | 103            |  | 2      | 2111                        | 96             |  | 2      | 2044                         | 107            |

## Kevätrypsi, 2004-2011, Viralliset kokeet: Luokittelu vuosittain

Spring turnip rape, *Brassica rapa* L. v. *oleifera* subv. *annua*, 2004-2011, Official variety trials: Classification according to year

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike      |    | kpl    | Vuosi 2008 | Suhde- |  | kpl    | Vuosi 2009 | Suhde- |  | kpl    | Vuosi 2010 | Suhde- |  | kpl    | Vuosi 2011 | Suhde- |
|-------------|----|--------|------------|--------|--|--------|------------|--------|--|--------|------------|--------|--|--------|------------|--------|
|             |    |        | kg/ha      | luku   |  |        | kg/ha      | luku   |  |        | kg/ha      | luku   |  |        | kg/ha      | luku   |
| Variety     |    | trials | Year 2008  |        |  | trials | Year 2009  |        |  | trials | Year 2010  |        |  | trials | Year 2011  |        |
|             |    |        | kg/ha      | rel.   |  |        | kg/ha      | rel.   |  |        | kg/ha      | rel.   |  |        | kg/ha      | rel.   |
| SW PETITA   | =C | 7      | 2456       | 100    |  | 7      | 2825       | 100    |  | 7      | 1819       | 100    |  | 7      | 1297       | 100    |
| VIIKKI 1101 |    |        |            |        |  |        |            |        |  |        |            |        |  | 7      | 1057       | 82 *** |
| AUREA CL    |    | 7      | 2362       | 96     |  | 7      | 2470       | 87 *** |  | 6      | 1655       | 91 **  |  | 7      | 1157       | 89 *   |
| VALO        |    | 7      | 2506       | 102    |  | 7      | 2553       | 90 *** |  |        |            |        |  |        |            |        |
| BOR 07010   |    |        |            |        |  |        |            |        |  |        |            |        |  | 7      | 1179       | 91 o   |
| HOHTO       |    | 1      | 2240       | 91     |  |        |            |        |  |        |            |        |  |        |            |        |
| APOLLO      |    | 4      | 2462       | 100    |  | 5      | 2644       | 94 *   |  |        |            |        |  |        |            |        |
| EOS         |    | 5      | 2594       | 106 o  |  | 5      | 2676       | 95 o   |  | 1      | 1722       | 95     |  |        |            |        |
| JULIET      |    | 7      | 2630       | 107 ** |  | 7      | 2755       | 98     |  | 6      | 1795       | 99     |  | 2      | 1210       | 93     |
| BOR 05100   |    |        |            |        |  |        |            |        |  | 7      | 1707       | 94 *   |  | 7      | 1424       | 110 *  |
| CORDELIA    |    | 7      | 2609       | 106 *  |  | 5      | 2671       | 95 o   |  | 7      | 1712       | 94 *   |  | 2      | 1321       | 102    |
| BOR 05075   |    |        |            |        |  |        |            |        |  |        |            |        |  | 7      | 1358       | 105    |

## Kevätrapsi, 2004-2011, Viralliset kokeet

Spring rape, *Brassica napus* L. v. *oleifera* subv. *annua*, 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike     |    | kpl    | Sato<br>kg/ha  | Sato-<br>ero        | Suhde-<br>luku |     | kpl    | Kasvuai-<br>ka<br>pv | kpl    | Lämpö-<br>summa    | kpl    | Lako-<br>%    | kpl    | Pituus<br>cm | kpl    | Tsp<br>g              |     |     |     |     |     |
|------------|----|--------|----------------|---------------------|----------------|-----|--------|----------------------|--------|--------------------|--------|---------------|--------|--------------|--------|-----------------------|-----|-----|-----|-----|-----|
| Variety    |    | trials | Yield<br>kg/ha | Yield<br>difference | rel.           |     | trials | Growing<br>time d    | trials | Temperature<br>sum | trials | Lodging-<br>% | trials | Lenght<br>cm | trials | 1000 seed<br>weight g |     |     |     |     |     |
| MARIE      | =C | 36     | 2047           | 0                   | 100            |     | 34     | 113.2                | 20     | 1154               | 21     | 26            | 35     | 87           | 36     | 4.0                   |     |     |     |     |     |
| HIGHLIGHT  |    | 25     | 2140           | 93                  | 105            |     | 23     | 111.3                | **     | 15                 | 1139   | *             | 14     | 33           | **     | 25                    | 89  | *   | 25  | 3.7 | *** |
| DLE 1006   | H  | 10     | 2563           | 515                 | 125            | *** | 8      | 111.7                |        | 4                  | 1142   | 3             | 22     | 10           | 93     | ***                   | 10  |     | 3.8 |     |     |
| MERRYL     |    | 16     | 2055           | 8                   | 100            |     | 16     | 111.9                | o      | 11                 | 1144   | 10            | 25     | 16           | 88     |                       | 16  |     | 4.2 | **  |     |
| TRAPPER    | H  | 23     | 2429           | 382                 | 119            | *** | 21     | 112.5                |        | 11                 | 1146   | 12            | 26     | 23           | 93     | ***                   | 23  |     | 4.0 |     |     |
| ILVES      |    | 22     | 2253           | 205                 | 110            | **  | 22     | 112.9                |        | 16                 | 1153   | 15            | 37     | ***          | 21     | 90                    | **  | 22  |     | 3.9 |     |
| BELINDA    | H  | 10     | 2546           | 499                 | 124            | *** | 8      | 113.3                |        | 4                  | 1163   | 3             | 29     | 10           | 95     | ***                   | 10  |     | 4.4 | *** |     |
| PROXIMO    |    | 5      | 2584           | 537                 | 126            | *** | 4      | 113.5                |        | 2                  | 1158   | 2             | 25     | 5            | 95     | ***                   | 5   |     | 4.4 | *** |     |
| DLE 1107   | H  | 5      | 2419           | 372                 | 118            | **  | 4      | 114.0                |        | 2                  | 1158   | 2             | 27     | 5            | 97     | ***                   | 5   |     | 4.1 |     |     |
| CAMPINO    |    | 15     | 2456           | 409                 | 120            | *** | 15     | 114.3                |        | 8                  | 1160   | 9             | 21     | 15           | 94     | ***                   | 15  |     | 4.3 | *** |     |
| SHEIK      |    | 17     | 2269           | 221                 | 111            | **  | 17     | 115.1                | *      | 11                 | 1169   | *             | 11     | 18           | *      | 17                    | 96  | *** | 17  | 4.5 | *** |
| SW Q2865   |    | 5      | 2469           | 421                 | 121            | *** | 4      | 115.3                |        | 2                  | 1164   | 2             | 30     | 5            | 99     | ***                   | 5   |     | 4.5 | *** |     |
| BRANDO     | H  | 13     | 2547           | 499                 | 124            | *** | 11     | 115.7                | **     | 5                  | 1177   | **            | 4      | 23           | 13     | 101                   | *** | 13  |     | 4.4 | *** |
| LUNEDIE    |    | 2      | 2354           | 307                 | 115            | o   | 2      | 115.7                |        | 1                  | 1162   | 1             | 23     | 2            | 97     | ***                   | 2   |     | 4.7 | *** |     |
| MAJONG     | H  | 10     | 2715           | 668                 | 133            | *** | 8      | 116.1                | **     | 4                  | 1182   | **            | 3      | 22           | 10     | 99                    | *** | 10  |     | 4.8 | *** |
| TAMARIN    |    | 13     | 2253           | 205                 | 110            | **  | 11     | 116.4                | ***    | 5                  | 1181   | **            | 4      | 21           | 13     | 95                    | *** | 13  |     | 4.3 | *** |
| MIRCO CL   | H  | 5      | 1612           | -434                | 79             | *** | 4      | 116.5                | *      | 2                  | 1159   |               | 2      | 21           | 5      | 93                    | **  | 5   |     | 5.0 | *** |
| EARLY BIRD |    | 6      | 2159           | 112                 | 105            |     | 5      | 116.7                | **     | 2                  | 1199   | ***           | 1      | 30           | 6      | 95                    | *** | 6   |     | 4.0 |     |

H = hybridi / (hybrid)



## Kevätrapsi, 2004-2011, Viralliset kokeet

Spring rape, *Brassica napus* L. v. *oleifera* subv. *annua*, 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike     |    | kpl    | Valk.-<br>% | kpl    | Valk.sato<br>kg/ha  |    | Kukinnan<br>alku            |    | Öljy-%<br>(9%)      |    | Öljysato<br>kg/ha (9%)  |    | Lehtivihreä<br>ppm |
|------------|----|--------|-------------|--------|---------------------|----|-----------------------------|----|---------------------|----|-------------------------|----|--------------------|
| Variety    |    | trials | Prot.-<br>% | trials | Prot.yield<br>kg/ha |    | Beginning of<br>flowering d |    | Oil content<br>(9%) |    | Oil yield<br>kg/ha (9%) |    | Chlorophyll<br>ppm |
| MARIE      | =C | 36     | 25.0        | 36     | 463                 | 30 | 48.0                        | 36 | 42.0                | 36 | 809                     | 36 | 20.0               |
| HIGHLIGHT  |    | 25     | 23.8 ***    | 25     | 462                 | 24 | 46.7 ***                    | 25 | 42.6                | 25 | 858 o                   | 25 | 11.7               |
| DLE 1006   | H  | 10     | 23.7 ***    | 10     | 550 ***             | 9  | 46.7 ***                    | 10 | 42.4                | 10 | 1010 ***                | 10 | 8.3                |
| MERRYL     |    | 16     | 24.7        | 16     | 463                 | 15 | 45.6 ***                    | 16 | 43.0 o              | 16 | 829                     | 16 | 17.8               |
| TRAPPER    | H  | 23     | 23.8 ***    | 23     | 523 ***             | 21 | 45.4 ***                    | 23 | 42.2                | 23 | 954 ***                 | 23 | 11.8               |
| ILVES      |    | 22     | 24.3 **     | 22     | 497 *               | 17 | 48.1                        | 22 | 42.8 o              | 22 | 911 ***                 | 22 | 16.7               |
| BELINDA    | H  | 10     | 23.8 ***    | 10     | 550 ***             | 9  | 46.9 **                     | 10 | 43.6 *              | 10 | 1026 ***                | 10 | 14.0               |
| PROXIMO    |    | 5      | 22.7 ***    | 5      | 532 *               | 5  | 47.0 *                      | 5  | 45.4 ***            | 5  | 1057 ***                | 5  | 16.6               |
| DLE 1107   | H  | 5      | 24.9        | 5      | 536 **              | 5  | 46.9 *                      | 5  | 43.6 *              | 5  | 959 **                  | 5  | 15.7               |
| CAMPINO    |    | 15     | 22.0 ***    | 15     | 483                 | 13 | 48.0                        | 15 | 42.9                | 15 | 978 ***                 | 15 | 28.0               |
| SHEIK      |    | 17     | 25.3        | 17     | 525 ***             | 16 | 48.2                        | 17 | 41.7                | 17 | 883 *                   | 17 | 17.1               |
| SW Q2865   |    | 5      | 24.3        | 5      | 529 *               | 5  | 48.9 *                      | 5  | 46.4 ***            | 5  | 1040 ***                | 5  | 20.1               |
| BRANDO     | H  | 13     | 23.4 ***    | 13     | 535 ***             | 11 | 50.1 ***                    | 13 | 42.2                | 13 | 1009 ***                | 13 | 22.3               |
| LUNEDIE    |    | 2      | 24.7        | 2      | 511                 | 2  | 50.2 ***                    | 2  | 42.9                | 2  | 955 *                   | 2  | 22.6               |
| MAJONG     | H  | 10     | 23.4 ***    | 10     | 579 ***             | 9  | 48.9 *                      | 10 | 44.2 ***            | 10 | 1095 ***                | 10 | 19.0               |
| TAMARIN    |    | 13     | 24.3 *      | 13     | 485                 | 11 | 49.5 ***                    | 13 | 40.8 *              | 13 | 891 *                   | 13 | 49.5 ***           |
| MIRCO CL   | H  | 5      | 27.1 ***    | 5      | 364 ***             | 5  | 47.9                        | 5  | 42.7                | 5  | 661 **                  | 5  | 21.3               |
| EARLY BIRD |    | 6      | 24.5        | 6      | 479                 | 5  | 50.4 ***                    | 6  | 42.9                | 6  | 859                     | 6  | 27.8               |

### Kevätrapsi, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Spring rape, *Brassica napus* L. v. *oleifera* subv. *annua*, 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike     |    | kpl    | Vyöhyke I<br>Sato<br>kg/ha | Suhde-<br>luku |  | kpl    | Vyöhyke II<br>Sato<br>kg/ha | Suhde-<br>luku |
|------------|----|--------|----------------------------|----------------|--|--------|-----------------------------|----------------|
| Variety    |    | trials | Zone I<br>Yield<br>kg/ha   | rel.           |  | trials | Zone II<br>Yield<br>kg/ha   | rel.           |
| MARIE      | =C | 22     | 1919                       | 100            |  | 14     | 2281                        | 100            |
| HIGHLIGHT  |    | 15     | 1985                       | 103            |  | 10     | 2410                        | 106            |
| DLE 1006   | H  | 6      | 2364                       | 123 ***        |  | 4      | 2884                        | 126 ***        |
| MERRYL     |    | 10     | 1967                       | 102            |  | 6      | 2243                        | 98             |
| TRAPPER    | H  | 14     | 2303                       | 120 ***        |  | 9      | 2670                        | 117 ***        |
| ILVES      |    | 13     | 2080                       | 108 o          |  | 9      | 2543                        | 111 *          |
| BELINDA    | H  | 6      | 2394                       | 125 ***        |  | 4      | 2797                        | 123 ***        |
| PROXIMO    |    | 3      | 2411                       | 126 **         |  | 2      | 2860                        | 125 **         |
| DLE 1107   | H  | 3      | 2304                       | 120 *          |  | 2      | 2609                        | 114 o          |
| CAMPINO    |    | 9      | 2397                       | 125 ***        |  | 6      | 2613                        | 115 **         |
| SHEIK      |    | 10     | 2221                       | 116 **         |  | 7      | 2394                        | 105            |
| SW Q2865   |    | 3      | 2396                       | 125 **         |  | 2      | 2594                        | 114            |
| BRANDO     | H  | 8      | 2490                       | 130 ***        |  | 5      | 2670                        | 117 **         |
| LUNEDIE    |    | 2      | 2233                       | 116            |  |        |                             |                |
| MAJONG     | H  | 6      | 2591                       | 135 ***        |  | 4      | 2923                        | 128 ***        |
| TAMARIN    |    | 8      | 2206                       | 115 *          |  | 5      | 2359                        | 103            |
| MIRCO CL   | H  | 3      | 1583                       | 83 *           |  | 2      | 1671                        | 73 **          |
| EARLY BIRD |    | 4      | 1962                       | 102            |  | 2      | 2522                        | 111            |

## Kevätrapsi, 2004-2011, Viralliset kokeet: Luokittelu vuosittain

Spring rape, *Brassica napus* L. v. *oleifera* subv. *annua*, 2004-2011, Official variety trials: Classification according to year

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike     |    | kpl    | Vuosi 2008 | Suhde-<br>kg/ha | luku | kpl    | Vuosi 2009 | Suhde-<br>kg/ha | luku | kpl    | Vuosi 2010 | Suhde-<br>kg/ha | luku | kpl    | Vuosi 2011 | Suhde-<br>kg/ha | luku |
|------------|----|--------|------------|-----------------|------|--------|------------|-----------------|------|--------|------------|-----------------|------|--------|------------|-----------------|------|
| Variety    |    | trials | Year 2008  |                 |      | trials | Year 2009  |                 |      | trials | Year 2010  |                 |      | trials | Year 2011  |                 |      |
|            |    |        | kg/ha      | rel.            |      |        | kg/ha      | rel.            |      |        | kg/ha      | rel.            |      |        | kg/ha      | rel.            |      |
| MARIE      | =C | 5      | 2590       | 100             |      | 5      | 2903       | 100             |      | 5      | 1636       | 100             |      | 5      | 1497       | 100             |      |
| HIGHLIGHT  |    | 3      | 2862       | 110             | *    |        |            |                 |      | 5      | 1945       | 119             | o    | 5      | 1457       | 97              |      |
| DLE 1006   | H  |        |            |                 |      |        |            |                 |      | 5      | 2249       | 137             | ***  | 5      | 1843       | 123             | **   |
| MERRYL     |    | 3      | 2755       | 106             |      | 3      | 2687       | 93              |      |        |            |                 |      |        |            |                 |      |
| TRAPPER    | H  | 5      | 3062       | 118             | ***  | 3      | 3230       | 111             | o    | 5      | 2169       | 133             | **   | 5      | 1675       | 112             |      |
| ILVES      |    | 3      | 3076       | 119             | **   | 4      | 3061       | 105             |      |        |            |                 |      |        |            |                 |      |
| BELINDA    | H  |        |            |                 |      |        |            |                 |      | 5      | 2264       | 138             | ***  | 5      | 1795       | 120             | *    |
| PROXIMO    |    |        |            |                 |      |        |            |                 |      |        |            |                 |      | 5      | 1923       | 128             | **   |
| DLE 1107   | H  |        |            |                 |      |        |            |                 |      |        |            |                 |      | 5      | 1758       | 117             | *    |
| CAMPINO    |    | 5      | 2963       | 114             | **   | 3      | 3243       | 112             | o    | 2      | 2458       | 150             | ***  |        |            |                 |      |
| SHEIK      |    | 3      | 2919       | 113             | *    | 4      | 3299       | 114             | *    |        |            |                 |      |        |            |                 |      |
| SW Q2865   |    |        |            |                 |      |        |            |                 |      |        |            |                 |      | 5      | 1808       | 121             | *    |
| BRANDO     | H  |        |            |                 |      | 5      | 3541       | 122             | ***  | 5      | 2097       | 128             | **   | 3      | 1936       | 129             | **   |
| LUNEDIE    |    |        |            |                 |      |        |            |                 |      |        |            |                 |      | 2      | 1688       | 113             |      |
| MAJONG     | H  |        |            |                 |      |        |            |                 |      | 5      | 2182       | 133             | **   | 5      | 2214       | 148             | ***  |
| TAMARIN    |    |        |            |                 |      | 5      | 3543       | 122             | ***  | 5      | 1496       | 91              |      | 3      | 1661       | 111             |      |
| MIRCO CL   | H  |        |            |                 |      |        |            |                 |      |        |            |                 |      | 5      | 951        | 64              | ***  |
| EARLY BIRD |    |        |            |                 |      |        |            |                 |      | 5      | 1862       | 114             |      | 1      | 1099       | 73              | o    |

## Timotei, 2004-2011, Viralliset kokeet

Timothy, *Phleum pratense* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike       | kpl    | Kok.sato<br>kg/ha       | Sato-<br>ero        | Suhde-<br>luku | kpl    | 1. niiton<br>sato kg/ha   | Suhde-<br>luku | kpl    | Talvi-<br>tuho %   | kpl    | Syys-<br>tiheys %   | kpl    | Kevät-<br>tiheys %  |
|--------------|--------|-------------------------|---------------------|----------------|--------|---------------------------|----------------|--------|--------------------|--------|---------------------|--------|---------------------|
| Variety      | trials | Total<br>Yield<br>kg/ha | Yield<br>difference | rel.           | trials | Yield<br>1st cut<br>kg/ha | rel.           | trials | Winter<br>damage % | trials | Density<br>Autumn % | trials | Density<br>Spring % |
| GRINDSTAD =C | 100    | 10555                   | 0                   | 100            | 100    | 5111                      | 100            | 102    | 5.1                | 80     | 94.6                | 80     | 89.7                |
| RAKEL        | 14     | 10536                   | -19                 | 100            | 14     | 5209                      | 102            | 14     | 3.8                | 14     | 95.2                | 14     | 91.5                |
| BOR 0302     | 20     | 10386                   | -168                | 98             | 20     | 5215                      | 102            | 20     | 3.4 *              | 19     | 94.1                | 19     | 90.9                |
| BOR 0306     | 20     | 10296                   | -258                | 98 o           | 20     | 5120                      | 100            | 20     | 3.6 *              | 19     | 96.0 *              | 19     | 92.4 **             |
| NUUTTI       | 32     | 10064                   | -490                | 95 ***         | 32     | 5088                      | 100            | 32     | 3.8 *              | 24     | 93.2 *              | 24     | 89.8                |
| RIGEL        | 41     | 9978                    | -576                | 95 ***         | 41     | 5007                      | 98             | 41     | 4.3                | 33     | 93.9                | 33     | 90.1                |
| TRYGGVE      | 32     | 9783                    | -771                | 93 ***         | 32     | 5151                      | 101            | 32     | 4.0 o              | 26     | 94.3                | 26     | 90.7                |
| NIILO        | 21     | 9744                    | -810                | 92 ***         | 21     | 5359                      | 105 **         | 21     | 2.3 ***            | 20     | 94.3                | 20     | 92.6 ***            |
| TENHO        | 40     | 9711                    | -843                | 92 ***         | 40     | 5070                      | 99             | 40     | 4.2 o              | 31     | 94.5                | 31     | 90.5                |
| TUURE        | 37     | 9658                    | -896                | 91 ***         | 37     | 5164                      | 101            | 37     | 3.1 ***            | 29     | 95.5                | 29     | 92.1 **             |
| UULA         | 33     | 9561                    | -993                | 91 ***         | 33     | 5102                      | 100            | 33     | 3.1 ***            | 24     | 93.9                | 24     | 91.5 *              |
| TUUKKA       | 41     | 9471                    | -1084               | 90 ***         | 41     | 5036                      | 99             | 41     | 3.1 ***            | 32     | 94.0                | 32     | 91.2 *              |
| TAMMISTO II  | 85     | 9463                    | -1091               | 90 ***         | 85     | 4963                      | 97 **          | 87     | 4.0 *              | 65     | 93.2 **             | 65     | 89.8                |
| IKI          | 16     | 9311                    | -1243               | 88 ***         | 16     | 5036                      | 99             | 16     | 3.0 *              | 15     | 93.8                | 15     | 91.2                |

## Timotei, 2004-2011, Viralliset kokeet

Timothy, *Phleum pratense* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike       | kpl    | Sato 1v<br>kg/ha                 | Suhde-<br>luku | kpl    | Sato 2v<br>kg/ha                 | Suhde-<br>luku | kpl    | Sato 3v<br>kg/ha                 | Suhde-<br>luku |
|--------------|--------|----------------------------------|----------------|--------|----------------------------------|----------------|--------|----------------------------------|----------------|
| Variety      | trials | Total yield<br>1st year<br>kg/ha | rel.           | trials | Total yield<br>2nd year<br>kg/ha | rel.           | trials | Total yield<br>3rd year<br>kg/ha | rel.           |
| GRINDSTAD =C | 33     | 10493                            | 100            | 33     | 10833                            | 100            | 34     | 10251                            | 100            |
| RAKEL        | 7      | 10747                            | 102            | 7      | 10701                            | 99             |        |                                  |                |
| BOR 0302     | 7      | 10608                            | 101            | 7      | 10793                            | 100            | 6      | 9707                             | 95 *           |
| BOR 0306     | 7      | 10465                            | 100            | 7      | 10532                            | 97             | 6      | 9878                             | 96             |
| NUUTTI       | 9      | 10177                            | 97             | 9      | 10316                            | 95 **          | 14     | 9603                             | 94 ***         |
| RIGEL        | 14     | 10259                            | 98             | 14     | 10157                            | 94 ***         | 13     | 9494                             | 93 ***         |
| TRYGGVE      | 13     | 9972                             | 95 **          | 13     | 10103                            | 93 ***         | 6      | 9011                             | 88 ***         |
| NIILO        | 5      | 10224                            | 97             | 5      | 9994                             | 92 ***         | 11     | 9110                             | 89 ***         |
| TENHO        | 14     | 9984                             | 95 **          | 14     | 10008                            | 92 ***         | 12     | 9073                             | 89 ***         |
| TUURE        | 13     | 9912                             | 94 **          | 13     | 9810                             | 91 ***         | 11     | 9205                             | 90 ***         |
| UULA         | 10     | 9892                             | 94 **          | 10     | 9796                             | 90 ***         | 13     | 8955                             | 87 ***         |
| TUUKKA       | 13     | 9850                             | 94 ***         | 13     | 9703                             | 90 ***         | 15     | 8837                             | 86 ***         |
| TAMMISTO II  | 26     | 10004                            | 95 ***         | 26     | 9579                             | 88 ***         | 33     | 8783                             | 86 ***         |
| IKI          | 2      | 10247                            | 98             | 2      | 9405                             | 87 ***         | 12     | 8708                             | 85 ***         |

**Timotei, 2004-2011, Viralliset kokeet**Timothy, *Phleum pratense* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike      |    | kpl    | Bot. anal-<br>% | kpl    | Tähk.alk<br>vrk      | kpl    | Kuiva-<br>aine-% |
|-------------|----|--------|-----------------|--------|----------------------|--------|------------------|
| Variety     |    | trials | Bot. anal-<br>% | trials | Coming into<br>ear d | trials | Dry<br>matter-%  |
| GRINDSTAD   | =C | 100    | 98.0            | 90     | 43.8                 | 81     | 22.9             |
| RAKEL       |    | 14     | 97.9            | 13     | 44.0                 | 14     | 22.9             |
| BOR 0302    |    | 20     | 97.9            | 18     | 45.0 ***             | 20     | 21.6 ***         |
| BOR 0306    |    | 20     | 98.0            | 18     | 44.6 ***             | 20     | 22.0 ***         |
| NUUTTI      |    | 32     | 97.8            | 27     | 45.7 ***             | 24     | 21.2 ***         |
| RIGEL       |    | 41     | 98.3            | 40     | 45.6 ***             | 34     | 21.9 ***         |
| TRYGGVE     |    | 32     | 97.7            | 27     | 45.5 ***             | 25     | 21.1 ***         |
| NIILO       |    | 21     | 98.3            | 20     | 45.6 ***             | 21     | 20.7 ***         |
| TENHO       |    | 40     | 97.9            | 36     | 45.2 ***             | 33     | 21.3 ***         |
| TUURE       |    | 37     | 97.8            | 32     | 46.1 ***             | 30     | 21.3 ***         |
| UULA        |    | 33     | 98.1            | 28     | 45.9 ***             | 26     | 21.2 ***         |
| TUUKKA      |    | 41     | 97.9            | 38     | 45.8 ***             | 34     | 21.2 ***         |
| TAMMISTO II |    | 85     | 97.3 **         | 76     | 45.8 ***             | 66     | 21.3 ***         |
| IKI         |    | 16     | 97.0 *          | 15     | 45.0 ***             | 14     | 21.4 ***         |

# Timotei, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Timothy, *Phleum pratense* L., 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike       | kpl Vyöhyke 1 Suhde- |        |      | kpl Vyöhyke 2 Suhde- |        |        | kpl Vyöhyke 3 Suhde- |        |        | kpl Vyöhyke 4 Suhde- |        |        | kpl Vyöhyke 5 Suhde- |        |        |
|--------------|----------------------|--------|------|----------------------|--------|--------|----------------------|--------|--------|----------------------|--------|--------|----------------------|--------|--------|
|              | trials               | Zone 1 | rel. | trials               | Zone 2 | rel.   | trials               | Zone 3 | rel.   | trials               | Zone 4 | rel.   | trials               | Zone 5 | rel.   |
| Variety      |                      | kg/ha  |      |                      | kg/ha  |        |                      | kg/ha  |        |                      | kg/ha  |        |                      | kg/ha  |        |
| GRINDSTAD =C | 6                    | 10360  | 100  | 27                   | 10497  | 100    | 28                   | 11159  | 100    | 27                   | 10183  | 100    | 12                   | 10792  | 100    |
| RAKEL        |                      |        |      | 4                    | 10071  | 96     | 4                    | 11490  | 103    | 4                    | 10221  | 100    | 2                    | 10934  | 101    |
| BOR 0302     |                      |        |      | 6                    | 10354  | 99     | 6                    | 10489  | 94 **  | 5                    | 10414  | 102    | 3                    | 10645  | 99     |
| BOR 0306     |                      |        |      | 6                    | 10161  | 97     | 6                    | 10325  | 93 *** | 5                    | 10378  | 102    | 3                    | 10818  | 100    |
| NUUTTI       | 1                    | 9995   | 96   | 6                    | 9540   | 91 *** | 9                    | 11015  | 99     | 13                   | 9697   | 95 **  | 3                    | 10475  | 97     |
| RIGEL        |                      |        |      | 6                    | 9864   | 94 *   | 15                   | 10407  | 93 *** | 14                   | 9659   | 95 **  | 6                    | 10309  | 96 o   |
| TRYGGVE      |                      |        |      | 7                    | 9648   | 92 **  | 10                   | 10564  | 95 **  | 10                   | 9442   | 93 *** | 5                    | 9823   | 91 **  |
| NIILO        |                      |        |      | 3                    | 9468   | 90 **  | 6                    | 10397  | 93 **  | 8                    | 9548   | 94 **  | 4                    | 9649   | 89 **  |
| TENHO        | 3                    | 9662   | 93   | 12                   | 9685   | 92 *** | 9                    | 10181  | 91 *** | 10                   | 9472   | 93 *** | 6                    | 9736   | 90 *** |
| TUURE        |                      |        |      | 6                    | 9892   | 94 *   | 12                   | 10190  | 91 *** | 13                   | 9293   | 91 *** | 6                    | 9670   | 90 *** |
| UULA         | 3                    | 9328   | 90   | 9                    | 9524   | 91 *** | 9                    | 9942   | 89 *** | 8                    | 9664   | 95 *   | 4                    | 9304   | 86 *** |
| TUUKKA       |                      |        |      | 10                   | 9409   | 90 *** | 16                   | 9934   | 89 *** | 12                   | 9265   | 91 *** | 3                    | 9554   | 89 **  |
| TAMMISTO II  | 6                    | 9731   | 94   | 23                   | 9515   | 91 *** | 23                   | 9885   | 89 *** | 23                   | 9123   | 90 *** | 10                   | 9480   | 88 *** |
| IKI          | 1                    | 9338   | 90   | 3                    | 9016   | 86 *** | 3                    | 9958   | 89 *** | 8                    | 9038   | 89 *** | 1                    | 9503   | 88 *   |

### Timotei, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Timothy, *Phleum pratense* L., 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike      | kpl    | Vyöhyke 1                    |                |  | kpl    | Vyöhyke 2                    |                |  | kpl    | Vyöhyke 3                    |                |  | kpl    | Vyöhyke 4                    |                |  | kpl    | Vyöhyke 5                    |                |  |
|-------------|--------|------------------------------|----------------|--|--------|------------------------------|----------------|--|--------|------------------------------|----------------|--|--------|------------------------------|----------------|--|--------|------------------------------|----------------|--|
|             |        | Talvi-<br>tuho %             | Suhde-<br>luku |  |        | Talvi-<br>tuho %             | Suhde-<br>luku |  |        | Talvi-<br>tuho %             | Suhde-<br>luku |  |        | Talvi-<br>tuho %             | Suhde-<br>luku |  |        | Talvi-<br>tuho %             | Suhde-<br>luku |  |
| Variety     | trials | Zone 1<br>Winter<br>damage % | rel.           |  | trials | Zone 2<br>Winter<br>damage % | rel.           |  | trials | Zone 3<br>Winter<br>damage % | rel.           |  | trials | Zone 4<br>Winter<br>damage % | rel.           |  | trials | Zone 5<br>Winter<br>damage % | rel.           |  |
| GRINDSTAD   | =C 7   | 2.1                          | 100            |  | 28     | 1.8                          | 100            |  | 28     | 4.5                          | 100            |  | 27     | 7.7                          | 100            |  | 12     | 11.2                         | 100            |  |
| RAKEL       |        |                              |                |  | 4      | 1.0                          | 56             |  | 4      | 1.0                          | 21             |  | 4      | 5.9                          | 77             |  | 2      | 8.9                          | 79             |  |
| BOR 0302    |        |                              |                |  | 6      | 1.2                          | 70             |  | 6      | 4.6                          | 102            |  | 5      | 4.2                          | 54             |  | 3      | 4.6                          | 41             |  |
| BOR 0306    |        |                              |                |  | 6      | 1.6                          | 89             |  | 6      | 6.4                          | 143            |  | 5      | 3.0                          | 39 o           |  | 3      | 3.6                          | 33             |  |
| NUUTTI      | 1      | 1.1                          | 51             |  | 6      | 3.2                          | 182            |  | 9      | 3.8                          | 86             |  | 13     | 5.6                          | 73             |  | 3      | 7.2                          | 65             |  |
| RIGEL       |        |                              |                |  | 6      | 2.1                          | 117            |  | 15     | 4.5                          | 100            |  | 14     | 5.0                          | 65             |  | 6      | 9.0                          | 81             |  |
| TRYGGVE     |        |                              |                |  | 7      | 2.5                          | 142            |  | 10     | 1.8                          | 40             |  | 10     | 6.0                          | 78             |  | 5      | 8.7                          | 78             |  |
| NIILO       |        |                              |                |  | 3      | 1.6                          | 88             |  | 6      | 5.9                          | 131            |  | 8      | 2.7                          | 34 *           |  | 4      | 1.6                          | 15 *           |  |
| TENHO       | 3      | 2.5                          | 122            |  | 12     | 2.0                          | 113            |  | 9      | 4.9                          | 109            |  | 10     | 5.2                          | 68             |  | 6      | 7.1                          | 63             |  |
| TUURE       |        |                              |                |  | 6      | 1.1                          | 62             |  | 12     | 4.6                          | 103            |  | 13     | 3.6                          | 47 *           |  | 6      | 5.6                          | 50             |  |
| UULA        | 3      | 2.5                          | 122            |  | 9      | 1.0                          | 57             |  | 9      | 3.6                          | 81             |  | 8      | 4.6                          | 60             |  | 4      | 1.1                          | 10 *           |  |
| TUUKKA      |        |                              |                |  | 10     | 2.5                          | 142            |  | 16     | 3.8                          | 85             |  | 12     | 3.0                          | 39 *           |  | 3      | 2.6                          | 24 o           |  |
| TAMMISTO II | 7      | 1.6                          | 79             |  | 24     | 2.2                          | 126            |  | 23     | 4.4                          | 98             |  | 23     | 5.2                          | 68             |  | 10     | 7.6                          | 68             |  |
| IKI         | 1      | 2.1                          | 99             |  | 3      | 9.5                          | 536 ***        |  | 3      | 5.9                          | 131            |  | 8      | 2.7                          | 35 *           |  | 1      | 0.0                          | 0 o            |  |



# Timotei, 2004-2011, Viralliset kokeet: Luokittelu vuosittain

Timothy, *Phleum pratense* L., 2004-2011, Official variety trials: Classification according to year

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike       | kpl    | Vuosi 2008 | Suhde- | kpl    | Vuosi 2009 | Suhde- | kpl    | Vuosi 2010 | Suhde- | kpl    | Vuosi 2011 | Suhde- |
|--------------|--------|------------|--------|--------|------------|--------|--------|------------|--------|--------|------------|--------|
|              |        | kg/ha      | luku   |        | kg/ha      | luku   |        | kg/ha      | luku   |        | kg/ha      | luku   |
| Variety      | trials | Year 2008  | rel.   | trials | Year 2009  | rel.   | trials | Year 2010  | rel.   | trials | Year 2011  | rel.   |
|              |        | kg/ha      |        |        | kg/ha      |        |        | kg/ha      |        |        | kg/ha      |        |
| GRINDSTAD =C | 15     | 10183      | 100    | 7      | 10228      | 100    | 13     | 10473      | 100    | 7      | 10217      | 100    |
| RAKEL        |        |            |        |        |            |        | 7      | 10610      | 101    | 7      | 10202      | 100    |
| BOR 0302     | 7      | 9885       | 97     | 7      | 10287      | 101    | 6      | 10454      | 100    |        |            |        |
| BOR 0306     | 7      | 9742       | 96 o   | 7      | 10026      | 98     | 6      | 10626      | 101    |        |            |        |
| NUUTTI       | 8      | 9779       | 96 o   | 2      | 9858       | 96     | 2      | 10259      | 98     | 1      | 9686       | 95     |
| RIGEL        | 6      | 9715       | 95 o   | 6      | 9725       | 95 *   | 7      | 10163      | 97 o   | 1      | 9511       | 93     |
| TRYGGVE      | 6      | 9071       | 89 *** |        |            |        | 7      | 9717       | 93 *** | 7      | 9641       | 94 *   |
| NIILO        | 4      | 9672       | 95     | 4      | 9354       | 91 *** | 5      | 9619       | 92 *** | 1      | 10167      | 100    |
| TENHO        | 13     | 9137       | 90 *** | 7      | 9448       | 92 *** | 7      | 9978       | 95 **  | 1      | 9342       | 91     |
| TUURE        | 12     | 9170       | 90 *** | 6      | 9237       | 90 *** | 6      | 10002      | 96 **  | 1      | 9652       | 94     |
| UULA         | 9      | 9017       | 89 *** | 3      | 9182       | 90 *** | 4      | 10038      | 96 *   | 1      | 10022      | 98     |
| TUUKKA       | 11     | 8949       | 88 *** | 7      | 9196       | 90 *** | 6      | 9740       | 93 *** |        |            |        |
| TAMMISTO II  | 15     | 8918       | 88 *** | 7      | 9329       | 91 *** | 6      | 9759       | 93 *** |        |            |        |
| IKI          |        |            |        |        |            |        | 1      | 10155      | 97     | 1      | 9168       | 90 o   |

**Timotei, 2004-2011, Viralliset kokeet: Luokittelu vuosittain**Timothy, *Phleum pratense* L., 2004-2011, Official variety trials: Classification according to year

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike       | kpl    | Vuosi 2008<br>Talvi-<br>tuho %  | Suhde-<br>luku | kpl    | Vuosi 2009<br>Talvi-<br>tuho %  | Suhde-<br>luku | kpl    | Vuosi 2010<br>Talvi-<br>tuho %  | Suhde-<br>luku | kpl    | Vuosi 2011<br>Talvi-<br>tuho %  | Suhde-<br>luku |
|--------------|--------|---------------------------------|----------------|--------|---------------------------------|----------------|--------|---------------------------------|----------------|--------|---------------------------------|----------------|
| Variety      | trials | Year 2008<br>Winter<br>damage % | rel.           | trials | Year 2009<br>Winter<br>damage % | rel.           | trials | Year 2010<br>Winter<br>damage % | rel.           | trials | Year 2011<br>Winter<br>damage % | rel.           |
| GRINDSTAD =C | 15     | 5.3                             | 100            | 7      | 3.4                             | 100            | 13     | 6.5                             | 100            | 7      | 6.1                             | 100            |
| RAKEL        |        |                                 |                |        |                                 |                | 7      | 4.1                             | 63 o           | 7      | 4.1                             | 67             |
| BOR 0302     | 7      | 4.7                             | 89             | 7      | 2.4                             | 71             | 6      | 2.2                             | 35 **          |        |                                 |                |
| BOR 0306     | 7      | 5.3                             | 100            | 7      | 2.0                             | 58             | 6      | 2.7                             | 42 *           |        |                                 |                |
| NUUTTI       | 8      | 4.0                             | 77             | 2      | 2.6                             | 77             | 2      | 7.3                             | 113            | 1      | 4.4                             | 72             |
| RIGEL        | 6      | 3.4                             | 64             | 6      | 2.0                             | 59             | 7      | 5.1                             | 78             | 1      | 2.4                             | 39             |
| TRYGGVE      | 6      | 5.8                             | 110            |        |                                 |                | 7      | 4.1                             | 63 o           | 7      | 3.3                             | 53 o           |
| NIILO        | 4      | 2.5                             | 48 o           | 4      | 0.5                             | 13 **          | 5      | 3.5                             | 54 o           | 1      | 1.4                             | 23             |
| TENHO        | 13     | 5.8                             | 110            | 7      | 1.9                             | 54 o           | 7      | 4.1                             | 63 o           | 1      | 1.4                             | 23             |
| TUURE        | 12     | 5.1                             | 96             | 6      | 1.7                             | 50 o           | 6      | 3.3                             | 51 *           | 1      | 1.4                             | 23             |
| UULA         | 9      | 3.4                             | 64 o           | 3      | 0.8                             | 24 *           | 4      | 2.3                             | 36 *           | 1      | 2.4                             | 39             |
| TUUKKA       | 11     | 3.9                             | 75             | 7      | 1.7                             | 50 o           | 6      | 4.4                             | 68             |        |                                 |                |
| TAMMISTO II  | 15     | 4.1                             | 77             | 7      | 2.0                             | 58             | 6      | 4.9                             | 76             |        |                                 |                |
| IKI          |        |                                 |                |        |                                 |                | 1      | 1.1                             | 17 o           | 1      | 2.4                             | 39             |

## Timotei, 2004-2011, Viralliset kokeet

Timothy, *Phleum pratense* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike      |        | D-arvo   |  | D-arvo  |          | D-arvo  |          | Käyttök.   |                  | Käyttök.   |                  | Käyttök.   |                  |
|-------------|--------|----------|--|---------|----------|---------|----------|------------|------------------|------------|------------------|------------|------------------|
|             | kpl    | 1.niitto |  | kpl     | 2.niitto | kpl     | 3.niitto | kpl        | sato<br>1.niitto | kpl        | sato<br>2.niitto | kpl        | sato<br>3.niitto |
| Variety     |        | D-value  |  | D-value |          | D-value |          | Digestible |                  | Digestible |                  | Digestible |                  |
|             | trials | 1st cut  |  | trials  | 2nd cut  | trials  | 3rd cut  | trials     | yield<br>1st cut | trials     | yield<br>2nd cut | trials     | yield<br>3rd cut |
| GRINDSTAD   | =C 59  | 66.1     |  | 60      | 65.4     | 3       | 69.9     | 50         | 2958             | 51         | 2945             | 2          | 1587             |
| NIILO       | 11     | 67.3 *** |  | 11      | 69.5 *** |         |          | 9          | 3244 ***         | 9          | 2543 ***         |            |                  |
| TRYGGVE     | 26     | 68.0 *** |  | 26      | 67.8 *** | 1       | 76.3 o   | 21         | 3109 **          | 21         | 2670 ***         |            |                  |
| NUUTTI      | 18     | 68.1 *** |  | 18      | 67.7 *** |         |          | 15         | 3105 **          | 15         | 2790 **          |            |                  |
| TUURE       | 27     | 68.3 *** |  | 27      | 68.8 *** |         |          | 24         | 3104 ***         | 24         | 2550 ***         |            |                  |
| BOR 0302    | 16     | 66.3     |  | 16      | 66.7 *** |         |          | 14         | 3098 **          | 14         | 2911             |            |                  |
| RAKEL       | 14     | 66.2     |  | 14      | 65.9     | 1       | 72.9     | 12         | 3097 *           | 12         | 2964             |            |                  |
| TENHO       | 29     | 67.2 *** |  | 30      | 67.3 *** |         |          | 27         | 3029 o           | 28         | 2641 ***         |            |                  |
| UULA        | 20     | 67.7 *** |  | 21      | 68.8 *** |         |          | 16         | 3025             | 17         | 2577 ***         |            |                  |
| BOR 0306    | 16     | 66.5     |  | 16      | 66.3 **  |         |          | 14         | 3014             | 14         | 2901             |            |                  |
| TUUKKA      | 26     | 67.2 *** |  | 26      | 68.1 *** |         |          | 23         | 2958             | 23         | 2532 ***         |            |                  |
| RIGEL       | 24     | 66.4     |  | 24      | 66.1 *   | 1       | 68.9     | 20         | 2952             | 20         | 2729 ***         | 1          | 1467             |
| TAMMISTO II | 45     | 67.5 *** |  | 46      | 67.1 *** | 2       | 69.7     | 38         | 2944             | 39         | 2561 ***         | 2          | 1308             |
| IKI         | 3      | 66.5     |  | 3       | 69.0 *** |         |          | 3          | 2901             | 3          | 2612 **          |            |                  |

**Timotei, 2004-2011, Viralliset kokeet**Timothy, *Phleum pratense* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike       | ADF    |          | ADF    |          | ADF    |          | NDF    |          | NDF    |          | NDF    |          |
|--------------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|
|              | kpl    | 1.niitto | kpl    | 2.niitto | kpl    | 3.niitto | kpl    | 1.niitto | kpl    | 2.niitto | kpl    | 3.niitto |
| Variety      | trials | 1st cut  | trials | 2nd cut  | trials | 3rd cut  | trials | 1st cut  | trials | 2nd cut  | trials | 3rd cut  |
| GRINDSTAD =C | 59     | 36.5     | 60     | 35.2     | 3      | 33.3     | 59     | 63.6     | 60     | 62.0     | 3      | 58.7     |
| NIILO        | 11     | 36.3     | 11     | 33.7 *** |        |          | 11     | 63.4     | 11     | 60.4 **  |        |          |
| TRYGGVE      | 26     | 35.8 *** | 26     | 34.4 *** | 1      | 29.7     | 26     | 62.9 *   | 26     | 61.4 o   | 1      | 54.3     |
| NUUTTI       | 18     | 35.5 *** | 18     | 34.3 **  |        |          | 18     | 62.8 *   | 18     | 61.4     |        |          |
| TUURE        | 27     | 35.8 *** | 27     | 33.6 *** |        |          | 27     | 62.7 **  | 27     | 60.3 *** |        |          |
| BOR 0302     | 16     | 36.7     | 16     | 35.0     |        |          | 16     | 64.1     | 16     | 62.2     |        |          |
| RAKEL        | 14     | 36.2     | 14     | 35.0     | 1      | 31.4     | 14     | 63.5     | 14     | 61.8     | 1      | 56.6     |
| TENHO        | 29     | 36.2 *   | 30     | 34.6 **  |        |          | 29     | 63.6     | 30     | 61.4 o   |        |          |
| UULA         | 20     | 36.0 *   | 21     | 33.6 *** |        |          | 20     | 63.1     | 21     | 60.3 *** |        |          |
| BOR 0306     | 16     | 36.2     | 16     | 34.8     |        |          | 16     | 63.6     | 16     | 61.5     |        |          |
| TUUKKA       | 26     | 36.1 *   | 26     | 33.8 *** |        |          | 26     | 63.4     | 26     | 60.6 *** |        |          |
| RIGEL        | 24     | 36.8     | 24     | 35.0     | 1      | 34.6     | 24     | 64.2 *   | 24     | 61.9     | 1      | 61.7     |
| TAMMISTO II  | 45     | 36.0 *** | 46     | 34.5 *** | 2      | 32.4     | 45     | 63.2 o   | 46     | 61.5 o   | 2      | 57.9     |
| IKI          | 3      | 36.3     | 3      | 33.5 **  |        |          | 3      | 64.0     | 3      | 60.5 o   |        |          |

## Timotei, 2004-2011, Viralliset kokeet

Timothy, *Phleum pratense* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike      |        | Ligniini |         | Ligniini |          | Ligniini |        | Valkuais- |         | Valkuais- |         | Valkuais- |          |
|-------------|--------|----------|---------|----------|----------|----------|--------|-----------|---------|-----------|---------|-----------|----------|
|             | kpl    | 1.niitto |         | kpl      | 2.niitto |          | kpl    | 3.niitto  | kpl     | sato      |         | kpl       | sato     |
|             |        |          |         |          |          |          |        |           |         | 1.niitto  |         |           | 2.niitto |
|             |        |          |         |          |          |          |        |           |         |           |         |           | 3.niitto |
| Variety     | trials | Lignin   |         | trials   | Lignin   |          | trials | Lignin    |         | Prot.     |         | trials    | Prot.    |
|             |        | 1st cut  |         |          | 2nd cut  |          |        | 3rd cut   |         | yield     |         |           | yield    |
|             |        |          |         |          |          |          |        |           |         | 1st cut   |         |           | 2nd cut  |
|             |        |          |         |          |          |          |        |           |         |           |         |           | 3rd cut  |
| GRINDSTAD   | =C     | 59       | 4.4     | 60       | 4.6      | 3        | 3.9    | 55        | 544     | 56        | 512     | 2         | 297      |
| NIILO       |        | 11       | 4.2 **  | 11       | 4.1 ***  |          |        | 10        | 600 *** | 10        | 462 *** |           |          |
| TRYGGVE     |        | 26       | 4.1 *** | 26       | 4.3 ***  | 1        | 3.1    | 23        | 577 **  | 23        | 494 o   |           |          |
| NUUTTI      |        | 18       | 4.2 *** | 18       | 4.4 ***  |          |        | 17        | 568 o   | 17        | 497     |           |          |
| TUURE       |        | 27       | 4.1 *** | 27       | 4.2 ***  |          |        | 26        | 576 **  | 26        | 479 **  |           |          |
| BOR 0302    |        | 16       | 4.4     | 16       | 4.5 *    |          |        | 15        | 558     | 15        | 512     |           |          |
| RAKEL       |        | 14       | 4.4     | 14       | 4.5      | 1        | 3.5    | 12        | 579 *   | 12        | 514     |           |          |
| TENHO       |        | 29       | 4.3 *   | 30       | 4.4 ***  |          |        | 28        | 573 **  | 29        | 494 o   |           |          |
| UULA        |        | 20       | 4.2 *** | 21       | 4.2 ***  |          |        | 19        | 579 **  | 20        | 473 *** |           |          |
| BOR 0306    |        | 16       | 4.3     | 16       | 4.5 *    |          |        | 15        | 573 *   | 15        | 515     |           |          |
| TUUKKA      |        | 26       | 4.2 *** | 26       | 4.3 ***  |          |        | 24        | 557     | 24        | 476 *** |           |          |
| RIGEL       |        | 24       | 4.4     | 24       | 4.5      | 1        | 3.9    | 23        | 539     | 23        | 481 **  | 1         | 265      |
| TAMMISTO II |        | 45       | 4.2 *** | 46       | 4.4 ***  | 2        | 3.9    | 43        | 560 o   | 44        | 473 *** | 2         | 253      |
| IKI         |        | 3        | 4.3     | 3        | 4.2 **   |          |        | 3         | 522     | 3         | 498     |           |          |

## Nurmi-, rai- ja ruokonata, 2004-2011, Viralliset kokeet

Meadow fescue, *festilolium* and tall fescue, *Festuca pratensis* Huds. & *Festuca arundinacea*, 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   |       | kpl    | Kok.sato<br>kg/ha       | Sato-<br>ero        | Suhde-<br>luku |  | kpl    | 1. niiton<br>sato kg/ha   | Suhde-<br>luku |  | kpl    | Talvi-<br>tuho %   | kpl    | Kevät-<br>tiheys %  |
|----------|-------|--------|-------------------------|---------------------|----------------|--|--------|---------------------------|----------------|--|--------|--------------------|--------|---------------------|
| Variety  |       | trials | Total<br>Yield<br>kg/ha | Yield<br>difference | rel.           |  | trials | Yield<br>1st cut<br>kg/ha | rel.           |  | trials | Winter<br>damage % | trials | Density<br>Spring % |
| KASPER   | NN =C | 93     | 9429                    | 0                   | 100            |  | 94     | 4129                      | 100            |  | 97     | 5.3                | 79     | 89.1                |
| RETU     | RN    | 84     | 10675                   | 1246                | 113 ***        |  | 85     | 3906                      | 95 **          |  | 89     | 4.8                | 73     | 88.2                |
| KAROLINA | RN    | 34     | 10520                   | 1091                | 112 ***        |  | 34     | 3781                      | 92 **          |  | 35     | 7.0                | 29     | 86.7                |
| SW MINTO | NN    | 13     | 9761                    | 332                 | 104            |  | 14     | 4150                      | 101            |  | 14     | 4.3                | 14     | 90.1                |
| INKERI   | NN    | 47     | 9698                    | 269                 | 103            |  | 47     | 4252                      | 103            |  | 48     | 3.6                | 34     | 91.9                |
| VALTTERI | NN    | 18     | 9631                    | 202                 | 102            |  | 18     | 4151                      | 101            |  | 18     | 3.6                | 12     | 90.2                |
| KLAARA   | NN    | 20     | 9615                    | 187                 | 102            |  | 20     | 4476                      | 108 *          |  | 20     | 2.0 o              | 19     | 94.4 *              |
| REVANSCH | NN    | 33     | 9573                    | 144                 | 102            |  | 34     | 4209                      | 102            |  | 34     | 3.7                | 28     | 90.8                |
| ILMARI   | NN    | 25     | 9137                    | -291                | 97             |  | 25     | 3992                      | 97             |  | 25     | 3.8                | 21     | 88.6                |
| FOJTAN   | RAI   | 15     | 7690                    | -1738               | 82 ***         |  | 16     | 2575                      | 62 ***         |  | 16     | 24.2 ***           | 16     | 70.1 ***            |

NN = Nurminata

RN = Ruokonata

RAI = Rainata

## Nurmi-, rai- ja ruokonata, 2004-2011, Viralliset kokeet

Meadow fescue, *festilolium* and tall fescue, *Festuca pratensis* Huds. & *Festuca arundinacea*, 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   |    | kpl    | Sato 1v<br>kg/ha                 | Suhde-<br>luku |     | kpl    | Sato 2v<br>kg/ha                 | Suhde-<br>luku |     | kpl    | Sato 3v<br>kg/ha                 | Suhde-<br>luku |     |
|----------|----|--------|----------------------------------|----------------|-----|--------|----------------------------------|----------------|-----|--------|----------------------------------|----------------|-----|
| Variety  |    | trials | Total yield<br>1st year<br>kg/ha | rel.           |     | trials | Total yield<br>2nd year<br>kg/ha | rel.           |     | trials | Total yield<br>3rd year<br>kg/ha | rel.           |     |
| KASPER   | =C | 32     | 9716                             | 100            |     | 31     | 9945                             | 100            |     | 30     | 7891                             | 100            |     |
| RETU     |    | 28     | 10216                            | 105            | o   | 29     | 11479                            | 115            | *** | 27     | 9613                             | 122            | *** |
| KAROLINA |    | 10     | 9819                             | 101            |     | 10     | 11377                            | 114            | **  | 14     | 9529                             | 121            | *** |
| SW MINTO |    | 7      | 9969                             | 103            |     | 6      | 10170                            | 102            |     |        |                                  |                |     |
| INKERI   |    | 16     | 9824                             | 101            |     | 17     | 10382                            | 104            |     | 14     | 8046                             | 102            |     |
| VALTTERI |    | 6      | 10185                            | 105            |     | 6      | 10009                            | 101            |     | 6      | 7882                             | 100            |     |
| KLAARA   |    | 7      | 9692                             | 100            |     | 7      | 10287                            | 103            |     | 6      | 8066                             | 102            |     |
| REVANSCH |    | 14     | 9701                             | 100            |     | 13     | 10011                            | 101            |     | 6      | 8245                             | 104            |     |
| ILMARI   |    | 8      | 9428                             | 97             |     | 9      | 9754                             | 98             |     | 8      | 7439                             | 94             |     |
| FOJTAN   |    | 8      | 8001                             | 82             | *** | 7      | 7986                             | 80             | *** |        |                                  |                |     |

### Nurmi-, rai- ja ruokonata, 2004-2011, Viralliset kokeet

Meadow fescue, *festilolium* and tall fescue, *Festuca pratensis* Huds. & *Festuca arundinacea*, 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   | kpl    | Bot. anal-<br>% | kpl    | Tähk.alk<br>vrk      | kpl    | Kuiva-<br>aine-% |
|----------|--------|-----------------|--------|----------------------|--------|------------------|
| Variety  | trials | Bot. anal-<br>% | trials | Coming into<br>ear d | trials | Dry<br>matter-%  |
| KASPER   | =C 75  | 95.9            | 73     | 44.2                 | 59     | 20.6             |
| RETU     | 69     | 95.4            | 64     | 45.7 ***             | 55     | 19.1 ***         |
| KAROLINA | 30     | 94.9            | 26     | 46.4 ***             | 25     | 19.5 ***         |
| SW MINTO | 13     | 96.1            | 13     | 44.7 o               | 13     | 21.1 *           |
| INKERI   | 38     | 96.5            | 37     | 44.8 ***             | 26     | 20.4             |
| VALTTERI | 17     | 96.2            | 17     | 44.2                 | 12     | 20.9             |
| KLAARA   | 20     | 96.2            | 19     | 43.9                 | 19     | 20.3             |
| REVANSCH | 27     | 96.0            | 26     | 44.7 **              | 20     | 20.6             |
| ILMARI   | 24     | 95.0            | 24     | 44.0                 | 19     | 20.7             |
| FOJTAN   | 13     | 88.8 ***        | 12     | 46.1 ***             | 12     | 20.3             |



## Nurmi-, rai- ja ruokonata, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Meadow fescue, *festilolium* and tall fescue, *Festuca pratensis* Huds. & *Festuca arundinacea*, 2004-2011,

Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   | kpl    | Vyöhyke 1 Suhde- |         | kpl    | Vyöhyke 2 Suhde- |         | kpl    | Vyöhyke 3 Suhde- |         | kpl    | Vyöhyke 4 Suhde- |        | kpl    | Vyöhyke 5 Suhde- |        |
|----------|--------|------------------|---------|--------|------------------|---------|--------|------------------|---------|--------|------------------|--------|--------|------------------|--------|
|          |        | kg/ha            | luku    |        | kg/ha            | luku    |        | kg/ha            | luku    |        | kg/ha            | luku   |        | kg/ha            | luku   |
| Variety  | trials | Zone 1 kg/ha     | rel.    | trials | Zone 2 kg/ha     | rel.    | trials | Zone 3 kg/ha     | rel.    | trials | Zone 4 kg/ha     | rel.   | trials | Zone 5 kg/ha     | rel.   |
| KASPER   | =C 11  | 8711             | 100     | 20     | 8986             | 100     | 26     | 9968             | 100     | 24     | 8795             | 100    | 12     | 9226             | 100    |
| RETU     | 10     | 11322            | 130 *** | 20     | 9947             | 111 *** | 26     | 11216            | 113 *** | 20     | 9897             | 113 ** | 8      | 9896             | 107 *  |
| KAROLINA | 4      | 11575            | 133 *** | 5      | 10481            | 117 *** | 11     | 10935            | 110 *** | 8      | 9229             | 105    | 6      | 9900             | 107 *  |
| SW MINTO |        |                  |         | 4      | 8900             | 99      | 3      | 10726            | 108 o   | 4      | 9194             | 105    | 2      | 8604             | 93     |
| INKERI   | 5      | 9362             | 107     | 11     | 9007             | 100     | 14     | 10276            | 103     | 11     | 9214             | 105    | 6      | 9325             | 101    |
| VALTTERI |        |                  |         | 3      | 9281             | 103     | 6      | 9538             | 96      | 6      | 9111             | 104    | 3      | 9596             | 104    |
| KLAARA   | 3      | 8956             | 103     | 3      | 9357             | 104     | 6      | 10033            | 101     | 5      | 8922             | 101    | 3      | 8967             | 97     |
| REVANSCH | 2      | 8667             | 99      | 4      | 8408             | 94 o    | 12     | 10386            | 104 o   | 10     | 8934             | 102    | 5      | 9514             | 103    |
| ILMARI   | 2      | 7472             | 86 o    |        |                  |         | 9      | 9146             | 92 **   | 11     | 8834             | 100    | 3      | 8626             | 93     |
| FOJTAN   | 2      | 10349            | 119 *   | 4      | 8985             | 100     | 3      | 10172            | 102     | 4      | 4330             | 49 *** | 2      | 3269             | 35 *** |

### Nurmi-, rai- ja ruokonata, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Meadow fescue, *festilolium* and tall fescue, *Festuca pratensis* Huds. & *Festuca arundinacea*, 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   | Vyöhyke 1 |                    |                | Vyöhyke 2 |                    |                | Vyöhyke 3 |                    |                | Vyöhyke 4 |                    |                | Vyöhyke 5 |                    |                |
|----------|-----------|--------------------|----------------|-----------|--------------------|----------------|-----------|--------------------|----------------|-----------|--------------------|----------------|-----------|--------------------|----------------|
|          | kpl       | Talvi-<br>tuho %   | Suhde-<br>luku | kpl       | Talvi-<br>tuho %   | Suhde-<br>luku | kpl       | Talvi-<br>tuho %   | Suhde-<br>luku | kpl       | Talvi-<br>tuho %   | Suhde-<br>luku | kpl       | Talvi-<br>tuho %   | Suhde-<br>luku |
| Variety  | Zone 1    |                    |                | Zone 2    |                    |                | Zone 3    |                    |                | Zone 4    |                    |                | Zone 5    |                    |                |
|          | trials    | Winter<br>damage % | rel.           | trials    | Winter<br>damage % | rel.           | trials    | Winter<br>damage % | rel.           | trials    | Winter<br>damage % | rel.           | trials    | Winter<br>damage % | rel.           |
| KASPER   | =C 12     | 5.9                | 100            | 22        | 3.8                | 100            | 27        | 5.4                | 100            | 24        | 7.9                | 100            | 12        | 3.1                | 100            |
| RETU     | 11        | 2.7                | 46             | 22        | 1.1                | 30 *           | 27        | 5.3                | 97             | 21        | 10.2               | 129            | 8         | 3.5                | 111            |
| KAROLINA | 4         | 4.1                | 69             | 6         | 5.5                | 147            | 11        | 4.2                | 77             | 8         | 16.6               | 210 *          | 6         | 6.1                | 195            |
| SW MINTO |           |                    |                | 4         | 2.0                | 54             | 4         | 2.1                | 39             | 4         | 8.8                | 111            | 2         | 4.7                | 150            |
| INKERI   | 6         | 5.4                | 92             | 11        | 0.9                | 23 o           | 14        | 4.8                | 89             | 11        | 4.3                | 55             | 6         | 4.2                | 135            |
| VALTTERI |           |                    |                | 3         | 1.1                | 29             | 6         | 4.1                | 76             | 6         | 6.0                | 76             | 3         | 5.4                | 173            |
| KLAARA   | 3         | 2.5                | 43             | 3         | 0.3                | 7              | 6         | 2.8                | 52             | 5         | 3.6                | 45             | 3         | 1.4                | 45             |
| REVANSCH | 2         | 3.6                | 61             | 4         | 2.5                | 67             | 13        | 2.9                | 54             | 10        | 6.5                | 82             | 5         | 2.5                | 80             |
| ILMARI   | 2         | 3.5                | 59             |           |                    |                | 9         | 6.4                | 118            | 11        | 6.0                | 76             | 3         | 3.1                | 99             |
| FOJTAN   | 2         | 5.1                | 86             | 4         | 3.5                | 94             | 4         | 8.1                | 150            | 4         | 53.3               | 672 ***        | 2         | 55.7               | 1789 ***       |

## Nurmi-, rai- ja ruokonata, 2004-2011, Viralliset kokeet: Luokittelu vuosittain

Meadow fescue, *festilolium* and tall fescue, *Festuca pratensis* Huds. & *Festuca arundinacea*, 2004-2011, Official variety trials: Classification according to year

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   |    | kpl    | Vuosi 2008 | Suhde- |  | kpl    | Vuosi 2009 | Suhde- |  | kpl    | Vuosi 2010 | Suhde- |  | kpl    | Vuosi 2011 | Suhde- |
|----------|----|--------|------------|--------|--|--------|------------|--------|--|--------|------------|--------|--|--------|------------|--------|
|          |    |        | kg/ha      | luku   |  |        | kg/ha      | luku   |  |        | kg/ha      | luku   |  |        | kg/ha      | luku   |
| Variety  |    | trials | Year 2008  | rel.   |  | trials | Year 2009  | rel.   |  | trials | Year 2010  | rel.   |  | trials | Year 2011  | rel.   |
|          |    |        | kg/ha      |        |  |        | kg/ha      |        |  |        | kg/ha      |        |  |        | kg/ha      |        |
| KASPER   | =C | 14     | 8684       | 100    |  | 7      | 9624       | 100    |  | 14     | 9011       | 100    |  | 7      | 11051      | 100    |
| RETU     |    | 13     | 9738       | 112 ** |  | 7      | 10787      | 112 ** |  | 13     | 10665      | 118 ** |  | 7      | 13292      | 120 o  |
| KAROLINA |    | 10     | 9709       | 112 ** |  | 5      | 10715      | 111 ** |  | 4      | 10471      | 116 o  |  |        |            |        |
| SW MINTO |    |        |            |        |  |        |            |        |  | 7      | 9728       | 108    |  | 6      | 11392      | 103    |
| INKERI   |    | 6      | 8416       | 97     |  | 1      | 10133      | 105    |  | 2      | 9831       | 109    |  | 1      | 12727      | 115    |
| VALTTERI |    | 6      | 8312       | 96     |  |        |            |        |  |        |            |        |  |        |            |        |
| KLAARA   |    | 7      | 9038       | 104    |  | 7      | 9761       | 101    |  | 6      | 9018       | 100    |  |        |            |        |
| REVANSCH |    |        |            |        |  |        |            |        |  | 8      | 9226       | 102    |  | 7      | 11092      | 100    |
| ILMARI   |    | 6      | 8273       | 95     |  | 4      | 8835       | 92 o   |  | 5      | 8336       | 93     |  | 1      | 12262      | 111    |
| FOJTAN   |    |        |            |        |  |        |            |        |  | 8      | 7757       | 86 *   |  | 7      | 9285       | 84     |

### Nurmi-, rai- ja ruokonata, 2004-2011, Viralliset kokeet: Luokittelu vuosittain

Meadow fescue, *festilolium* and tall fescue, *Festuca pratensis* Huds. & *Festuca arundinacea*, 2004-2011, Official variety trials: Classification according to year

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   | kpl    | Vuosi 2008<br>Talvi-<br>tuho %  | Suhde-<br>luku | kpl    | Vuosi 2009<br>Talvi-<br>tuho %  | Suhde-<br>luku | kpl    | Vuosi 2010<br>Talvi-<br>tuho %  | Suhde-<br>luku | kpl    | Vuosi 2011<br>Talvi-<br>tuho %  | Suhde-<br>luku |
|----------|--------|---------------------------------|----------------|--------|---------------------------------|----------------|--------|---------------------------------|----------------|--------|---------------------------------|----------------|
| Variety  | trials | Year 2008<br>Winter<br>damage % | rel.           | trials | Year 2009<br>Winter<br>damage % | rel.           | trials | Year 2010<br>Winter<br>damage % | rel.           | trials | Year 2011<br>Winter<br>damage % | rel.           |
| KASPER   | =C 14  | 6.7                             | 100            | 7      | 2.6                             | 100            | 14     | 2.4                             | 100            | 8      | 2.4                             | 100            |
| RETU     | 13     | 7.3                             | 108            | 7      | 4.0                             | 156            | 14     | 5.3                             | 218            | 8      | 2.1                             | 89             |
| KAROLINA | 10     | 10.0                            | 149            | 5      | 2.0                             | 79             | 4      | 10.0                            | 412            |        |                                 |                |
| SW MINTO |        |                                 |                |        |                                 |                | 7      | 3.3                             | 134            | 7      | 2.9                             | 121            |
| INKERI   | 6      | 4.6                             | 68             | 1      | 0.0                             | 0              | 2      | 0.0                             | 0              | 1      | 0.0                             | 0              |
| VALTTERI | 6      | 6.2                             | 92             |        |                                 |                |        |                                 |                |        |                                 |                |
| KLAARA   | 7      | 1.2                             | 17             | 7      | 2.0                             | 78             | 6      | 2.7                             | 112            |        |                                 |                |
| REVANSCH |        |                                 |                |        |                                 |                | 8      | 2.5                             | 101            | 8      | 2.9                             | 121            |
| ILMARI   | 6      | 6.3                             | 93             | 4      | 5.3                             | 207            | 5      | 2.5                             | 104            | 1      | 0.0                             | 0              |
| FOJTAN   |        |                                 |                |        |                                 |                | 8      | 20.6                            | 848 ***        | 8      | 24.6                            | 1037 **        |

## Nurmi-, rai- ja ruokonata, 2004-2011, Viralliset kokeet

Meadow fescue, *festilolium* and tall fescue, *Festuca pratensis* Huds. & *Festuca arundinacea*, 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   | D-arvo |                    | D-arvo |                    | D-arvo |                    | Käyttök. |                                | Käyttök. |                                | Käyttök. |                                |
|----------|--------|--------------------|--------|--------------------|--------|--------------------|----------|--------------------------------|----------|--------------------------------|----------|--------------------------------|
|          | kpl    | 1.niitto           | kpl    | 2.niitto           | kpl    | 3.niitto           | kpl      | sato<br>1.niitto               | kpl      | sato<br>2.niitto               | kpl      | sato<br>3.niitto               |
| Variety  | trials | D-value<br>1st cut | trials | D-value<br>2nd cut | trials | D-value<br>3rd cut | trials   | Digestible<br>yield<br>1st cut | trials   | Digestible<br>yield<br>2nd cut | trials   | Digestible<br>yield<br>3rd cut |
| KASPER   | =C 56  | 69.6               | 55     | 70.6               | 13     | 71.0               | 52       | 2646                           | 51       | 2359                           | 11       | 1671                           |
| KLAARA   | 15     | 69.4               | 15     | 70.8               |        |                    | 15       | 2837                           | *        | 2281                           |          |                                |
| INKERI   | 26     | 70.4               | * 25   | 69.8               | o 11   | 70.9               | 24       | 2747                           | 23       | 2386                           | 11       | 1709                           |
| SW MINTO | 13     | 70.2               | 13     | 72.2               | ** 2   | 71.8               | 11       | 2691                           | 11       | 2508                           |          |                                |
| VALTTERI | 12     | 70.1               | 12     | 71.2               | 2      | 71.5               | 10       | 2652                           | 10       | 2485                           | 2        | 1716                           |
| REVANSCH | 21     | 70.4               | o 21   | 71.7               | * 6    | 71.5               | 19       | 2645                           | 19       | 2425                           | 4        | 1800                           |
| ILMARI   | 16     | 69.9               | 16     | 71.3               | 2      | 70.9               | 16       | 2556                           | 16       | 2268                           | 2        | 1679                           |
| RETU     | 53     | 69.3               | 53     | 67.9               | *** 12 | 69.5               | ** 49    | 2439                           | *** 48   | 2846                           | *** 10   | 1983                           |
| KAROLINA | 21     | 70.2               | 21     | 67.8               | *** 3  | 69.0               | * 21     | 2322                           | *** 21   | 2902                           | *** 3    | 1962                           |
| FOJTAN   | 13     | 67.3               | *** 14 | 66.3               | *** 2  | 69.0               | * 11     | 1775                           | *** 12   | 2151                           | o        |                                |

# Nurmi-, rai- ja ruokonata, 2004-2011, Viralliset kokeet

Meadow fescue, *festilolium* and tall fescue, *Festuca pratensis* Huds. & *Festuca arundinacea*, 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   | kpl    | ADF<br>1.niitto | kpl    | ADF<br>2.niitto | kpl    | ADF<br>3.niitto | kpl    | NDF<br>1.niitto | kpl    | NDF<br>2.niitto | kpl    | NDF<br>3.niitto |
|----------|--------|-----------------|--------|-----------------|--------|-----------------|--------|-----------------|--------|-----------------|--------|-----------------|
| Variety  | trials | ADF<br>1st cut  | trials | ADF<br>2nd cut  | trials | ADF<br>3rd cut  | trials | NDF<br>1st cut  | trials | NDF<br>2nd cut  | trials | NDF<br>3rd cut  |
| KASPER   | =C 56  | 34.1            | 55     | 33.1            | 13     | 32.8            | 56     | 58.5            | 55     | 58.0            | 13     | 59.1            |
| KLAARA   | 15     | 34.8            | 15     | 32.8            |        |                 | 15     | 58.9            | 15     | 57.5            |        |                 |
| INKERI   | 26     | 33.3 *          | 25     | 32.4 **         | 11     | 32.2 o          | 26     | 57.4 *          | 25     | 57.2 o          | 11     | 57.4 **         |
| SW MINTO | 13     | 33.4            | 13     | 32.9            | 2      | 32.9            | 13     | 57.3 o          | 13     | 56.7 *          | 2      | 58.1            |
| VALTTERI | 12     | 34.0            | 12     | 32.4 *          | 2      | 32.8            | 12     | 58.5            | 12     | 57.6            | 2      | 59.2            |
| REVANSCH | 21     | 34.0            | 21     | 32.9            | 6      | 33.1            | 21     | 58.0            | 21     | 57.3            | 6      | 59.0            |
| ILMARI   | 16     | 34.0            | 16     | 32.1 **         | 2      | 33.0            | 16     | 58.3            | 16     | 56.9 *          | 2      | 60.2            |
| RETU     | 53     | 33.0 ***        | 53     | 33.3            | 12     | 32.8            | 53     | 56.5 ***        | 53     | 56.4 ***        | 12     | 56.9 ***        |
| KAROLINA | 21     | 32.4 ***        | 21     | 34.1 **         | 3      | 34.4 **         | 21     | 56.3 ***        | 21     | 57.3            | 3      | 58.3            |
| FOJTAN   | 13     | 33.0 *          | 14     | 33.3            | 2      | 33.0            | 13     | 56.9 *          | 14     | 56.4 **         | 2      | 56.8 o          |

## Nurmi-, rai- ja ruokonata, 2004-2011, Viralliset kokeet

Meadow fescue, *festilolium* and tall fescue, *Festuca pratensis* Huds. & *Festuca arundinacea*, 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   | kpl    | Ligniini<br>1.niitto | kpl    | Ligniini<br>2.niitto | kpl    | Ligniini<br>3.niitto | kpl    | Valkuais-<br>sato<br>1.niitto | kpl    | Valkuais-<br>sato<br>2.niitto | kpl    | Valkuais-<br>sato<br>3.niitto |
|----------|--------|----------------------|--------|----------------------|--------|----------------------|--------|-------------------------------|--------|-------------------------------|--------|-------------------------------|
| Variety  | trials | Lignin<br>1st cut    | trials | Lignin<br>2nd cut    | trials | Lignin<br>3rd cut    | trials | Prot.<br>yield<br>1st cut     | trials | Prot.<br>yield<br>2nd cut     | trials | Prot.<br>yield<br>3rd cut     |
| KASPER   | =C 56  | 3.4                  | 55     | 3.1                  | 13     | 3.2                  | 53     | 553                           | 52     | 518                           | 11     | 328                           |
| KLAARA   | 15     | 3.4                  | 15     | 3.0                  |        |                      | 15     | 612                           | *      | 15                            | 491    |                               |
| INKERI   | 26     | 3.2                  | ** 25  | 3.1                  | 11     | 3.2                  | 25     | 560                           | 24     | 556                           | o 11   | 341                           |
| SW MINTO | 13     | 3.3                  | o 13   | 2.8                  | ** 2   | 3.2                  | 11     | 557                           | 11     | 517                           |        |                               |
| VALTTERI | 12     | 3.4                  | 12     | 3.0                  | 2      | 3.2                  | 11     | 559                           | 11     | 551                           | 2      | 326                           |
| REVANSCH | 21     | 3.3                  | 21     | 2.9                  | * 6    | 3.1                  | 19     | 550                           | 19     | 531                           | 4      | 337                           |
| ILMARI   | 16     | 3.3                  | 16     | 2.9                  | * 2    | 3.2                  | 16     | 534                           | 16     | 502                           | 2      | 322                           |
| RETU     | 53     | 3.1                  | *** 53 | 3.1                  | 12     | 3.1                  | 50     | 528                           | o 49   | 599                           | *** 10 | 362                           |
| KAROLINA | 21     | 3.2                  | ** 21  | 3.2                  | ** 3   | 3.2                  | 21     | 488                           | ** 21  | 613                           | *** 3  | 359                           |
| FOJTAN   | 13     | 3.6                  | o 14   | 3.4                  | *** 2  | 3.3                  | 11     | 444                           | *** 12 | 491                           |        |                               |

# Nurmi-, rai- ja ruokonata, 2004-2011, Viralliset kokeet

Meadow fescue, *festilolium* and tall fescue, *Festuca pratensis* Huds. & *Festuca arundinacea*, 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   |       | kpl    | Kok.sato<br>kg/ha       | Sato-<br>ero        | Suhde-<br>luku |  | kpl    | 1. niiton<br>sato kg/ha   | Suhde-<br>luku |  | kpl    | Talvi-<br>tuho %   |  | kpl    | Kevät-<br>tiheys %  |
|----------|-------|--------|-------------------------|---------------------|----------------|--|--------|---------------------------|----------------|--|--------|--------------------|--|--------|---------------------|
| Variety  |       | trials | Total<br>Yield<br>kg/ha | Yield<br>difference | rel.           |  | trials | Yield<br>1st cut<br>kg/ha | rel.           |  | trials | Winter<br>damage % |  | trials | Density<br>Spring % |
| RETU     | RN =C | 84     | 10675                   | 0                   | 100            |  | 85     | 3906                      | 100            |  | 89     | 4.8                |  | 73     | 88.2                |
| KAROLINA | RN    | 34     | 10520                   | -155                | 99             |  | 34     | 3781                      | 97             |  | 35     | 7.0                |  | 29     | 86.7                |
| SW MINTO | NN    | 13     | 9761                    | -914                | 91 **          |  | 14     | 4150                      | 106            |  | 14     | 4.3                |  | 14     | 90.1                |
| INKERI   | NN    | 47     | 9698                    | -976                | 91 ***         |  | 47     | 4252                      | 109 ***        |  | 48     | 3.6                |  | 34     | 91.9 *              |
| VALTTERI | NN    | 18     | 9631                    | -1043               | 90 ***         |  | 18     | 4151                      | 106 o          |  | 18     | 3.6                |  | 12     | 90.2                |
| KLAARA   | NN    | 20     | 9615                    | -1059               | 90 ***         |  | 20     | 4476                      | 115 ***        |  | 20     | 2.0                |  | 19     | 94.4 **             |
| REVANSCH | NN    | 33     | 9573                    | -1101               | 90 ***         |  | 34     | 4209                      | 108 **         |  | 34     | 3.7                |  | 28     | 90.8                |
| KASPER   | NN    | 93     | 9429                    | -1245               | 88 ***         |  | 94     | 4129                      | 106 **         |  | 97     | 5.3                |  | 79     | 89.1                |
| ILMARI   | NN    | 25     | 9137                    | -1538               | 86 ***         |  | 25     | 3992                      | 102            |  | 25     | 3.8                |  | 21     | 88.6                |
| FOJTAN   | RAI   | 15     | 7690                    | -2985               | 72 ***         |  | 16     | 2575                      | 66 ***         |  | 16     | 24.2 ***           |  | 16     | 70.1 ***            |

N = Nurminata

RN = Ruoko-  
nata

RAI = Rainata



## Nurmi-, rai- ja ruokonata, 2004-2011, Viralliset kokeet

Meadow fescue, *festilolium* and tall fescue, *Festuca pratensis* Huds. & *Festuca arundinacea*, 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   | kpl    | Sato 1v<br>kg/ha                 | Suhde-<br>luku | kpl    | Sato 2v<br>kg/ha                 | Suhde-<br>luku | kpl    | Sato 3v<br>kg/ha                 | Suhde-<br>luku |
|----------|--------|----------------------------------|----------------|--------|----------------------------------|----------------|--------|----------------------------------|----------------|
| Variety  | trials | Total yield<br>1st year<br>kg/ha | rel.           | trials | Total yield<br>2nd year<br>kg/ha | rel.           | trials | Total yield<br>3rd year<br>kg/ha | rel.           |
| RETU     | =C 28  | 10216                            | 100            | 29     | 11479                            | 100            | 27     | 9613                             | 100            |
| KAROLINA | 10     | 9819                             | 96             | 10     | 11377                            | 99             | 14     | 9529                             | 99             |
| SW MINTO | 7      | 9969                             | 98             | 6      | 10170                            | 89             | *      |                                  |                |
| INKERI   | 16     | 9824                             | 96             | 17     | 10382                            | 90             | **     | 14                               | 8046 84 ***    |
| VALTTERI | 6      | 10185                            | 100            | 6      | 10009                            | 87             | *      | 6                                | 7882 82 ***    |
| KLAARA   | 7      | 9692                             | 95             | 7      | 10287                            | 90             | *      | 6                                | 8066 84 ***    |
| REVANSCH | 14     | 9701                             | 95             | 13     | 10011                            | 87             | **     | 6                                | 8245 86 ***    |
| KASPER   | 32     | 9716                             | 95             | o 31   | 9945                             | 87             | ***    | 30                               | 7891 82 ***    |
| ILMARI   | 8      | 9428                             | 92             | o 9    | 9754                             | 85             | ***    | 8                                | 7439 77 ***    |
| FOJTAN   | 8      | 8001                             | 78             | *** 7  | 7986                             | 70             | ***    |                                  |                |

### Nurmi-, rai- ja ruokonata, 2004-2011, Viralliset kokeet

Meadow fescue, *festilolium* and tall fescue, *Festuca pratensis* Huds. & *Festuca arundinacea*, 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   | kpl    | Bot. anal-<br>% | kpl    | Tähk.alk<br>vrk      | kpl    | Kuiva-<br>aine-% |
|----------|--------|-----------------|--------|----------------------|--------|------------------|
| Variety  | trials | Bot. anal-<br>% | trials | Coming into<br>ear d | trials | Dry<br>matter-%  |
| RETU =C  | 69     | 95.4            | 64     | 45.7                 | 55     | 19.1             |
| KAROLINA | 30     | 94.9            | 26     | 46.4 ***             | 25     | 19.5 *           |
| SW MINTO | 13     | 96.1            | 13     | 44.7 ***             | 13     | 21.1 ***         |
| INKERI   | 38     | 96.5            | 37     | 44.8 ***             | 26     | 20.4 ***         |
| VALTTERI | 17     | 96.2            | 17     | 44.2 ***             | 12     | 20.9 ***         |
| KLAARA   | 20     | 96.2            | 19     | 43.9 ***             | 19     | 20.3 ***         |
| REVANSCH | 27     | 96.0            | 26     | 44.7 ***             | 20     | 20.6 ***         |
| KASPER   | 75     | 95.9            | 73     | 44.2 ***             | 59     | 20.6 ***         |
| ILMARI   | 24     | 95.0            | 24     | 44.0 ***             | 19     | 20.7 ***         |
| FOJTAN   | 13     | 88.8 ***        | 12     | 46.1                 | 12     | 20.3 ***         |

## Nurmi-, rai- ja ruokonata, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Meadow fescue, *festilolium* and tall fescue, *Festuca pratensis* Huds. & *Festuca arundinacea*, 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   | kpl Vyöhyke 1 Suhde-<br>kg/ha luku |                 |        | kpl Vyöhyke 2 Suhde-<br>kg/ha luku |                 |        | kpl Vyöhyke 3 Suhde-<br>kg/ha luku |                 |        | kpl Vyöhyke 4 Suhde-<br>kg/ha luku |                 |        | kpl Vyöhyke 5 Suhde-<br>kg/ha luku |                 |        |
|----------|------------------------------------|-----------------|--------|------------------------------------|-----------------|--------|------------------------------------|-----------------|--------|------------------------------------|-----------------|--------|------------------------------------|-----------------|--------|
| Variety  | trials                             | Zone 1<br>kg/ha | rel.   | trials                             | Zone 2<br>kg/ha | rel.   | trials                             | Zone 3<br>kg/ha | rel.   | trials                             | Zone 4<br>kg/ha | rel.   | trials                             | Zone 5<br>kg/ha | rel.   |
| RETU     | =C 10                              | 11322           | 100    | 20                                 | 9947            | 100    | 26                                 | 11216           | 100    | 20                                 | 9897            | 100    | 8                                  | 9896            | 100    |
| KAROLINA | 4                                  | 11575           | 102    | 5                                  | 10481           | 105 o  | 11                                 | 10935           | 97     | 8                                  | 9229            | 93     | 6                                  | 9900            | 100    |
| SW MINTO |                                    |                 |        | 4                                  | 8900            | 89 **  | 3                                  | 10726           | 96     | 4                                  | 9194            | 93     | 2                                  | 8604            | 87 *   |
| INKERI   | 5                                  | 9362            | 83 *** | 11                                 | 9007            | 91 *** | 14                                 | 10276           | 92 *** | 11                                 | 9214            | 93     | 6                                  | 9325            | 94     |
| VALTTERI |                                    |                 |        | 3                                  | 9281            | 93 o   | 6                                  | 9538            | 85 *** | 6                                  | 9111            | 92     | 3                                  | 9596            | 97     |
| KLAARA   | 3                                  | 8956            | 79 *** | 3                                  | 9357            | 94     | 6                                  | 10033           | 89 *** | 5                                  | 8922            | 90     | 3                                  | 8967            | 91 *   |
| REVANSCH | 2                                  | 8667            | 77 *** | 4                                  | 8408            | 85 *** | 12                                 | 10386           | 93 *** | 10                                 | 8934            | 90 o   | 5                                  | 9514            | 96     |
| KASPER   | 11                                 | 8711            | 77 *** | 20                                 | 8986            | 90 *** | 26                                 | 9968            | 89 *** | 24                                 | 8795            | 89 **  | 12                                 | 9226            | 93 *   |
| ILMARI   | 2                                  | 7472            | 66 *** |                                    |                 |        | 9                                  | 9146            | 82 *** | 11                                 | 8834            | 89 *   | 3                                  | 8626            | 87 **  |
| FOJTAN   | 2                                  | 10349           | 91     | 4                                  | 8985            | 90 **  | 3                                  | 10172           | 91 *   | 4                                  | 4330            | 44 *** | 2                                  | 3269            | 33 *** |

### Nurmi-, rai- ja ruokonata, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Meadow fescue, *festilolium* and tall fescue, *Festuca pratensis* Huds. & *Festuca arundinacea*, 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   | Vyöhyke 1 |                              |                | Vyöhyke 2 |                              |                | Vyöhyke 3 |                              |                | Vyöhyke 4 |                              |                | Vyöhyke 5 |                              |                |
|----------|-----------|------------------------------|----------------|-----------|------------------------------|----------------|-----------|------------------------------|----------------|-----------|------------------------------|----------------|-----------|------------------------------|----------------|
|          | kpl       | Talvi-<br>tuho %             | Suhde-<br>luku | kpl       | Talvi-<br>tuho %             | Suhde-<br>luku | kpl       | Talvi-<br>tuho %             | Suhde-<br>luku | kpl       | Talvi-<br>tuho %             | Suhde-<br>luku | kpl       | Talvi-<br>tuho %             | Suhde-<br>luku |
| Variety  | trials    | Zone 1<br>Winter<br>damage % | rel.           | trials    | Zone 2<br>Winter<br>damage % | rel.           | trials    | Zone 3<br>Winter<br>damage % | rel.           | trials    | Zone 4<br>Winter<br>damage % | rel.           | trials    | Zone 5<br>Winter<br>damage % | rel.           |
| RETU     | =C 11     | 2.7                          | 100            | 22        | 1.1                          | 100            | 27        | 5.3                          | 100            | 21        | 10.2                         | 100            | 8         | 3.5                          | 100            |
| KAROLINA | 4         | 4.1                          | 149            | 6         | 5.5                          | 492 *          | 11        | 4.2                          | 79             | 8         | 16.6                         | 163            | 6         | 6.1                          | 175            |
| SW MINTO |           |                              |                | 4         | 2.0                          | 181            | 4         | 2.1                          | 41             | 4         | 8.8                          | 86             | 2         | 4.7                          | 135            |
| INKERI   | 6         | 5.4                          | 198            | 11        | 0.9                          | 79             | 14        | 4.8                          | 92             | 11        | 4.3                          | 42             | 6         | 4.2                          | 122            |
| VALTTERI |           |                              |                | 3         | 1.1                          | 99             | 6         | 4.1                          | 78             | 6         | 6.0                          | 59             | 3         | 5.4                          | 155            |
| KLAARA   | 3         | 2.5                          | 92             | 3         | 0.3                          | 23             | 6         | 2.8                          | 53             | 5         | 3.6                          | 35             | 3         | 1.4                          | 41             |
| REVANSCH | 2         | 3.6                          | 130            | 4         | 2.5                          | 226            | 13        | 2.9                          | 55             | 10        | 6.5                          | 64             | 5         | 2.5                          | 72             |
| KASPER   | 12        | 5.9                          | 215            | 22        | 3.8                          | 335 *          | 27        | 5.4                          | 103            | 24        | 7.9                          | 78             | 12        | 3.1                          | 90             |
| ILMARI   | 2         | 3.5                          | 128            |           |                              |                | 9         | 6.4                          | 121            | 11        | 6.0                          | 59             | 3         | 3.1                          | 89             |
| FOJTAN   | 2         | 5.1                          | 185            | 4         | 3.5                          | 315            | 4         | 8.1                          | 154            | 4         | 53.3                         | 521 ***        | 2         | 55.7                         | 1612 ***       |

## Nurmi-, rai- ja ruokonata, 2004-2011, Viralliset kokeet: Luokittelu vuosittain

Meadow fescue, *festilolium* and tall fescue, *Festuca pratensis* Huds. & *Festuca arundinacea*, 2004-2011, Official variety trials: Classification according to year

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   | kpl    | Vuosi 2008 | Suhde- | kpl    | Vuosi 2009 | Suhde- | kpl    | Vuosi 2010 | Suhde- | kpl    | Vuosi 2011 | Suhde- |
|----------|--------|------------|--------|--------|------------|--------|--------|------------|--------|--------|------------|--------|
|          |        | kg/ha      | luku   |        | kg/ha      | luku   |        | kg/ha      | luku   |        | kg/ha      | luku   |
| Variety  | trials | Year 2008  | rel.   | trials | Year 2009  | rel.   | trials | Year 2010  | rel.   | trials | Year 2011  | rel.   |
|          |        | kg/ha      |        |        | kg/ha      |        |        | kg/ha      |        |        | kg/ha      |        |
| RETU =C  | 13     | 9738       | 100    | 7      | 10787      | 100    | 13     | 10665      | 100    | 7      | 13292      | 100    |
| KAROLINA | 10     | 9709       | 100    | 5      | 10715      | 99     | 4      | 10471      | 98     |        |            |        |
| SW MINTO |        |            |        |        |            |        | 7      | 9728       | 91     | 6      | 11392      | 86     |
| INKERI   | 6      | 8416       | 86 **  | 1      | 10133      | 94     | 2      | 9831       | 92     | 1      | 12727      | 96     |
| VALTTERI | 6      | 8312       | 85 **  |        |            |        |        |            |        |        |            |        |
| KLAARA   | 7      | 9038       | 93 o   | 7      | 9761       | 90 **  | 6      | 9018       | 85 *   |        |            |        |
| REVANSCH |        |            |        |        |            |        | 8      | 9226       | 87 *   | 7      | 11092      | 83 o   |
| KASPER   | 14     | 8684       | 89 **  | 7      | 9624       | 89 **  | 14     | 9011       | 84 **  | 7      | 11051      | 83 o   |
| ILMARI   | 6      | 8273       | 85 **  | 4      | 8835       | 82 *** | 5      | 8336       | 78 **  | 1      | 12262      | 92     |
| FOJTAN   |        |            |        |        |            |        | 8      | 7757       | 73 *** | 7      | 9285       | 70 **  |

### Nurmi-, rai- ja ruokonata, 2004-2011, Viralliset kokeet: Luokittelu vuosittain

Meadow fescue, *festilolium* and tall fescue, *Festuca pratensis* Huds. & *Festuca arundinacea*, 2004-2011, Official variety trials: Classification according to year

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   | kpl    | Vuosi 2008<br>Talvi-<br>tuho %  | Suhde-<br>luku | kpl    | Vuosi 2009<br>Talvi-<br>tuho %  | Suhde-<br>luku | kpl    | Vuosi 2010<br>Talvi-<br>tuho %  | Suhde-<br>luku | kpl    | Vuosi 2011<br>Talvi-<br>tuho %  | Suhde-<br>luku |
|----------|--------|---------------------------------|----------------|--------|---------------------------------|----------------|--------|---------------------------------|----------------|--------|---------------------------------|----------------|
| Variety  | trials | Year 2008<br>Winter<br>damage % | rel.           | trials | Year 2009<br>Winter<br>damage % | rel.           | trials | Year 2010<br>Winter<br>damage % | rel.           | trials | Year 2011<br>Winter<br>damage % | rel.           |
| RETU     | =C 13  | 7.3                             | 100            | 7      | 4.0                             | 100            | 14     | 5.3                             | 100            | 8      | 2.1                             | 100            |
| KAROLINA | 10     | 10.0                            | 137            | 5      | 2.0                             | 51             | 4      | 10.0                            | 189            |        |                                 |                |
| SW MINTO |        |                                 |                |        |                                 |                | 7      | 3.3                             | 62             | 7      | 2.9                             | 135            |
| INKERI   | 6      | 4.6                             | 63             | 1      | 0.0                             | 0 o            | 2      | 0.0                             | 0              | 1      | 0.0                             | 0              |
| VALTTERI | 6      | 6.2                             | 85             |        |                                 |                |        |                                 |                |        |                                 |                |
| KLAARA   | 7      | 1.2                             | 16 o           | 7      | 2.0                             | 50             | 6      | 2.7                             | 51             |        |                                 |                |
| REVANSCH |        |                                 |                |        |                                 |                | 8      | 2.5                             | 47             | 8      | 2.9                             | 135            |
| KASPER   | 14     | 6.7                             | 92             | 7      | 2.6                             | 64             | 14     | 2.4                             | 46             | 8      | 2.4                             | 112            |
| ILMARI   | 6      | 6.3                             | 86             | 4      | 5.3                             | 133            | 5      | 2.5                             | 48             | 1      | 0.0                             | 0              |
| FOJTAN   |        |                                 |                |        |                                 |                | 8      | 20.6                            | 389 **         | 8      | 24.6                            | 1159 **        |

## Nurmi-, rai- ja ruokonata, 2004-2011, Viralliset kokeet

Meadow fescue, *festilolium* and tall fescue, *Festuca pratensis* Huds. & *Festuca arundinacea*, 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   |        | D-arvo   |  | D-arvo  |          | D-arvo  |          | Käyttök.   |                  | Käyttök.   |                  | Käyttök.   |                  |
|----------|--------|----------|--|---------|----------|---------|----------|------------|------------------|------------|------------------|------------|------------------|
|          | kpl    | 1.niitto |  | kpl     | 2.niitto | kpl     | 3.niitto | kpl        | sato<br>1.niitto | kpl        | sato<br>2.niitto | kpl        | sato<br>3.niitto |
| Variety  |        | D-value  |  | D-value |          | D-value |          | Digestible |                  | Digestible |                  | Digestible |                  |
|          | trials | 1st cut  |  | trials  | 2nd cut  | trials  | 3rd cut  | trials     | yield<br>1st cut | trials     | yield<br>2nd cut | trials     | yield<br>3rd cut |
| RETU     | =C 53  | 69.3     |  | 53      | 67.9     | 12      | 69.5     | 49         | 2439             | 48         | 2846             | 10         | 1983             |
| KLAARA   | 15     | 69.4     |  | 15      | 70.8 *** |         |          | 15         | 2837 ***         | 15         | 2281 ***         |            |                  |
| INKERI   | 26     | 70.4 **  |  | 25      | 69.8 *** | 11      | 70.9 **  | 24         | 2747 ***         | 23         | 2386 ***         | 11         | 1709 ***         |
| SW MINTO | 13     | 70.2 o   |  | 13      | 72.2 *** | 2       | 71.8 *   | 11         | 2691 *           | 11         | 2508 **          |            |                  |
| VALTTERI | 12     | 70.1     |  | 12      | 71.2 *** | 2       | 71.5 *   | 10         | 2652 *           | 10         | 2485 **          | 2          | 1716 *           |
| KASPER   | 56     | 69.6     |  | 55      | 70.6 *** | 13      | 71.0 **  | 52         | 2646 ***         | 51         | 2359 ***         | 11         | 1671 ***         |
| REVANSCH | 21     | 70.4 *   |  | 21      | 71.7 *** | 6       | 71.5 **  | 19         | 2645 *           | 19         | 2425 ***         | 4          | 1800 *           |
| ILMARI   | 16     | 69.9     |  | 16      | 71.3 *** | 2       | 70.9     | 16         | 2556             | 16         | 2268 ***         | 2          | 1679 **          |
| KAROLINA | 21     | 70.2 *   |  | 21      | 67.8     | 3       | 69.0     | 21         | 2322             | 21         | 2902             | 3          | 1962             |
| FOJTAN   | 13     | 67.3 *** |  | 14      | 66.3 **  | 2       | 69.0     | 11         | 1775 ***         | 12         | 2151 ***         |            |                  |

### Nurmi-, rai- ja ruokonata, 2004-2011, Viralliset kokeet

Meadow fescue, *festilolium* and tall fescue, *Festuca pratensis* Huds. & *Festuca arundinacea*, 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   | ADF    |          |  | ADF    |          |  | ADF    |          |  | NDF    |          |  | NDF    |          |  | NDF    |          |  |
|----------|--------|----------|--|--------|----------|--|--------|----------|--|--------|----------|--|--------|----------|--|--------|----------|--|
|          | kpl    | 1.niitto |  | kpl    | 2.niitto |  | kpl    | 3.niitto |  | kpl    | 1.niitto |  | kpl    | 2.niitto |  | kpl    | 3.niitto |  |
| Variety  | trials | ADF      |  | trials | ADF      |  | trials | ADF      |  | trials | NDF      |  | trials | NDF      |  | trials | NDF      |  |
|          |        | 1st cut  |  |        | 2nd cut  |  |        | 3rd cut  |  |        | 1st cut  |  |        | 2nd cut  |  |        | 3rd cut  |  |
| RETU     | =C 53  | 33.0     |  | 53     | 33.3     |  | 12     | 32.8     |  | 53     | 56.5     |  | 53     | 56.4     |  | 12     | 56.9     |  |
| KLAARA   | 15     | 34.8 *** |  | 15     | 32.8     |  |        |          |  | 15     | 58.9 *** |  | 15     | 57.5 *   |  |        |          |  |
| INKERI   | 26     | 33.3     |  | 25     | 32.4 **  |  | 11     | 32.2     |  | 26     | 57.4 o   |  | 25     | 57.2 *   |  | 11     | 57.4     |  |
| SW MINTO | 13     | 33.4     |  | 13     | 32.9     |  | 2      | 32.9     |  | 13     | 57.3     |  | 13     | 56.7     |  | 2      | 58.1     |  |
| VALTTERI | 12     | 34.0 *   |  | 12     | 32.4 **  |  | 2      | 32.8     |  | 12     | 58.5 **  |  | 12     | 57.6 *   |  | 2      | 59.2 o   |  |
| KASPER   | 56     | 34.1 *** |  | 55     | 33.1     |  | 13     | 32.8     |  | 56     | 58.5 *** |  | 55     | 58.0 *** |  | 13     | 59.1 *** |  |
| REVANSCH | 21     | 34.0 **  |  | 21     | 32.9     |  | 6      | 33.1     |  | 21     | 58.0 **  |  | 21     | 57.3 o   |  | 6      | 59.0 **  |  |
| ILMARI   | 16     | 34.0 *   |  | 16     | 32.1 *** |  | 2      | 33.0     |  | 16     | 58.3 **  |  | 16     | 56.9     |  | 2      | 60.2 **  |  |
| KAROLINA | 21     | 32.4 o   |  | 21     | 34.1 **  |  | 3      | 34.4 **  |  | 21     | 56.3     |  | 21     | 57.3 *   |  | 3      | 58.3     |  |
| FOJTAN   | 13     | 33.0     |  | 14     | 33.3     |  | 2      | 33.0     |  | 13     | 56.9     |  | 14     | 56.4     |  | 2      | 56.8     |  |



## Nurmi-, rai- ja ruokonata, 2004-2011, Viralliset kokeet

Meadow fescue, *festilolium* and tall fescue, *Festuca pratensis* Huds. & *Festuca arundinacea*, 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   | Ligniini |          | Ligniini |          | Ligniini |          | Valkuais-sato |                     | Valkuais-sato |                     | Valkuais-sato |                     |
|----------|----------|----------|----------|----------|----------|----------|---------------|---------------------|---------------|---------------------|---------------|---------------------|
|          | kpl      | 1.niitto | kpl      | 2.niitto | kpl      | 3.niitto | kpl           | 1.niitto            | kpl           | 2.niitto            | kpl           | 3.niitto            |
| Variety  | trials   | 1st cut  | trials   | 2nd cut  | trials   | 3rd cut  | trials        | Prot. yield 1st cut | trials        | Prot. yield 2nd cut | trials        | Prot. yield 3rd cut |
| RETU     | =C 53    | 3.1      | 53       | 3.1      | 12       | 3.1      | 50            | 528                 | 49            | 599                 | 10            | 362                 |
| KLAARA   | 15       | 3.4 **   | 15       | 3.0      |          |          | 15            | 612 ***             | 15            | 491 ***             |               |                     |
| INKERI   | 26       | 3.2      | 25       | 3.1      | 11       | 3.2      | 25            | 560 o               | 24            | 556 *               | 11            | 341                 |
| SW MINTO | 13       | 3.3      | 13       | 2.8 ***  | 2        | 3.2      | 11            | 557                 | 11            | 517 **              |               |                     |
| VALTTERI | 12       | 3.4 *    | 12       | 3.0 o    | 2        | 3.2      | 11            | 559                 | 11            | 551                 | 2             | 326                 |
| KASPER   | 56       | 3.4 ***  | 55       | 3.1      | 13       | 3.2      | 53            | 553 o               | 52            | 518 ***             | 11            | 328 *               |
| REVANSCH | 21       | 3.3 **   | 21       | 2.9 **   | 6        | 3.1      | 19            | 550                 | 19            | 531 **              | 4             | 337                 |
| ILMARI   | 16       | 3.3 *    | 16       | 2.9 ***  | 2        | 3.2      | 16            | 534                 | 16            | 502 ***             | 2             | 322                 |
| KAROLINA | 21       | 3.2      | 21       | 3.2 o    | 3        | 3.2      | 21            | 488 *               | 21            | 613                 | 3             | 359                 |
| FOJTAN   | 13       | 3.6 ***  | 14       | 3.4 ***  | 2        | 3.3      | 11            | 444 **              | 12            | 491 ***             |               |                     |

**Italianraiheinä, 2004-2011, Viralliset kokeet**Italian rye-grass, *Lolium multiflorum* Lam., 2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike       |    | kpl    | Kok.sato<br>kg/ha       | Sato-<br>ero        | Suhde-<br>luku | kpl    | 1. niiton<br>sato kg/ha   | Suhde-<br>luku | kpl    | Bot. anal-<br>% | kpl    | Kuiva-<br>aine-% |
|--------------|----|--------|-------------------------|---------------------|----------------|--------|---------------------------|----------------|--------|-----------------|--------|------------------|
| Variety      |    | trials | Total<br>Yield<br>kg/ha | Yield<br>difference | rel.           | trials | Yield<br>1st cut<br>kg/ha | rel.           | trials | Bot. anal-<br>% | trials | Dry<br>matter-%  |
| FABIO        | =C | 4      | 7820                    | 0                   | 100            | 4      | 1234                      | 100            | 4      | 91.0            | 3      | 13.5             |
| BARMULTRA II |    | 4      | 8084                    | 264                 | 103            | 4      | 1284                      | 104            | 4      | 90.8            | 3      | 13.8             |

**Italianraiheinä, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin**Italian rye-grass, *Lolium multiflorum* Lam., 2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike       |    | kpl    | Vyöhyke 2-3<br>kg/ha | Suhde-<br>luku | kpl    | Vyöhyke 4-5<br>kg/ha | Suhde-<br>luku |
|--------------|----|--------|----------------------|----------------|--------|----------------------|----------------|
| Variety      |    | trials | Yield<br>kg/ha       | rel.           | trials | Yield<br>kg/ha       | rel.           |
| FABIO        | =C | 2      | 8391                 | 100            | 2      | 7250                 | 100            |
| BARMULTRA II |    | 2      | 8699                 | 104            | 2      | 7470                 | 103            |

### Italianraiheinä, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Italian rye-grass, *Lolium multiflorum* Lam., 2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike       |    | kpl    | Vyöhyke 2-3<br>1.niitto kg/ha | Suhde-<br>luku | kpl    | Vyöhyke 4-5<br>1.niitto kg/ha | Suhde-<br>luku |
|--------------|----|--------|-------------------------------|----------------|--------|-------------------------------|----------------|
| Variety      |    | trials | Yield<br>1st cut kg/ha        | rel.           | trials | Yield<br>1st cut kg/ha        | rel.           |
| FABIO        | =C | 2      | 903                           | 100            | 2      | 1565                          | 100            |
| BARMULTRA II |    | 2      | 1035                          | 115            | 2      | 1534                          | 98             |

### Italianraiheinä, 2004-2011, Viralliset kokeet

Italian rye-grass, *Lolium multiflorum* Lam., 2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike       |    | kpl    | D-arvo<br>1.niitto | kpl    | D-arvo<br>2.niitto | kpl    | Käyttök.<br>sato<br>1.niitto   | kpl    | Käyttök.<br>sato<br>2.niitto   |
|--------------|----|--------|--------------------|--------|--------------------|--------|--------------------------------|--------|--------------------------------|
| Variety      |    | trials | D-value<br>1st cut | trials | D-value<br>2nd cut | trials | Digestible<br>yield<br>1st cut | trials | Digestible<br>yield<br>2nd cut |
| FABIO        | =C | 3      | 78.3               | 3      | 76.8               | 3      | 918                            | 3      | 1927                           |
| BARMULTRA II |    | 3      | 78.4               | 3      | 75.6               | 3      | 902                            | 3      | 1879                           |

### Italianraiheinä, 2004-2011, Viralliset kokeet

Italian rye-grass, *Lolium multiflorum* Lam., 2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike       | kpl | ADF      |        | ADF      |        | NDF      |        | NDF      |      |
|--------------|-----|----------|--------|----------|--------|----------|--------|----------|------|
|              |     | 1.niitto | kpl    | 2.niitto | kpl    | 1.niitto | kpl    | 2.niitto |      |
| Variety      |     | ADF      | trials | ADF      | trials | NDF      | trials | NDF      |      |
|              |     | 1st cut  |        | 2nd cut  |        | 1st cut  |        | 2nd cut  |      |
| FABIO        | =C  | 3        | 24.8   | 3        | 27.3   | 3        | 41.9   | 3        | 45.2 |
| BARMULTRA II |     | 3        | 24.8   | 3        | 28.2o  | 3        | 42.1   | 3        | 46.0 |

### Italianraiheinä, 2004-2011, Viralliset kokeet

Italian rye-grass, *Lolium multiflorum* Lam., 2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike       | kpl | Ligniini |        | Ligniini |        | Valkuais- |        | Valkuais- |     |
|--------------|-----|----------|--------|----------|--------|-----------|--------|-----------|-----|
|              |     | 1.niitto | kpl    | 2.niitto | kpl    | sato      | kpl    | sato      |     |
|              |     |          |        |          |        | 1.niitto  |        | 2.niitto  |     |
| Variety      |     | Lignin   | trials | Lignin   | trials | Prot.     | trials | Prot.     |     |
|              |     | 1st cut  |        | 2nd cut  |        | yield     |        | yield     |     |
|              |     |          |        |          |        | 1st cut   |        | 2nd cut   |     |
| FABIO        | =C  | 3        | 2.7    | 3        | 2.6    | 3         | 276    | 3         | 598 |
| BARMULTRA II |     | 3        | 2.6    | 3        | 2.7    | 3         | 266    | 3         | 603 |

## Puna-apila, 2004-2011, Viralliset kokeet

Red clover, *Trifolium pratense* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   | kpl    | Kok.sato<br>kg/ha       | Sato-<br>ero        | suhde-<br>luku |  | kpl    | 1. niiton<br>sato kg/ha   | Suhde-<br>luku |  | kpl    | Talvi-<br>tuho %   | kpl    | Kevät-<br>tiheys %  |
|----------|--------|-------------------------|---------------------|----------------|--|--------|---------------------------|----------------|--|--------|--------------------|--------|---------------------|
| Variety  | trials | Total<br>Yield<br>kg/ha | Yield<br>difference | rel.           |  | trials | Yield<br>1st cut<br>kg/ha | rel.           |  | trials | Winter<br>damage % | trials | Density<br>Spring % |
| BJURSELE | =C 22  | 5150                    | 0                   | 100            |  | 22     | 3483                      | 100            |  | 22     | 11.3               | 21     | 69.0                |
| SW TORUN | 31     | 6183                    | 1033                | 120 ***        |  | 31     | 4002                      | 115 **         |  | 31     | 10.1               | 25     | 78.4 **             |
| SW YNGVE | 14     | 5869                    | 719                 | 114 *          |  | 14     | 3969                      | 114 *          |  | 14     | 10.0               | 14     | 77.0 *              |
| BETTY    | 42     | 5786                    | 637                 | 112 **         |  | 42     | 3898                      | 112 *          |  | 42     | 9.3                | 35     | 78.3 **             |
| SAIJA    | 21     | 5553                    | 404                 | 108            |  | 21     | 3802                      | 109 o          |  | 21     | 12.5               | 21     | 71.8                |
| SW ARES  | 14     | 4917                    | -231                | 95             |  | 14     | 3318                      | 95             |  | 14     | 20.6 *             | 14     | 65.0                |
| SUEZ     | 15     | 4025                    | -1124               | 78 ***         |  | 15     | 2188                      | 63 ***         |  | 16     | 34.5 ***           | 16     | 51.0 ***            |

## Puna-apila, 2004-2011, Viralliset kokeet

Red clover, *Trifolium pratense* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   | kpl    | Sato 1v<br>kg/ha                 | Suhde-<br>luku |  | kpl    | Sato 2v<br>kg/ha                 | Suhde-<br>luku |  | kpl    | Sato 3v<br>kg/ha                 | Suhde-<br>luku |
|----------|--------|----------------------------------|----------------|--|--------|----------------------------------|----------------|--|--------|----------------------------------|----------------|
| Variety  | trials | Total yield<br>1st year<br>kg/ha | rel.           |  | trials | Total yield<br>2nd year<br>kg/ha | rel.           |  | trials | Total yield<br>3rd year<br>kg/ha | rel.           |
| BJURSELE | =C 10  | 5222                             | 100            |  | 10     | 5046                             | 100            |  | 2      | 1139                             | 100            |
| SW TORUN | 13     | 5834                             | 112 o          |  | 13     | 6146                             | 122 **         |  | 5      | 4876                             | 428 **         |
| SW YNGVE | 7      | 5609                             | 107            |  | 7      | 5725                             | 113 o          |  |        |                                  |                |
| BETTY    | 15     | 5235                             | 100            |  | 15     | 5588                             | 111 o          |  | 12     | 4898                             | 430 **         |
| SAIJA    | 8      | 5299                             | 101            |  | 8      | 5370                             | 106            |  | 5      | 4565                             | 401 *          |
| SW ARES  | 7      | 4918                             | 94             |  | 7      | 4532                             | 90             |  |        |                                  |                |
| SUEZ     | 7      | 4596                             | 88 o           |  | 8      | 3157                             | 63 ***         |  |        |                                  |                |

### Puna-apila, 2004-2011, Viralliset kokeet

Red clover, *Trifolium pratense* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   |    | kpl    | Tähk.alk<br>vrk      |     | kpl    | Bot. anal-<br>% |     | kpl    | Kuiva-<br>aine-% |
|----------|----|--------|----------------------|-----|--------|-----------------|-----|--------|------------------|
| Variety  |    | trials | Coming into<br>ear d |     | trials | Bot. anl-<br>%  |     | trials | Dry<br>matter-%  |
| BJURSELE | =C | 12     | 62.7                 |     | 21     | 52.1            |     | 17     | 18.5             |
| SW TORUN |    | 15     | 63.1                 |     | 30     | 58.6            | *   | 24     | 17.3             |
| SW YNGVE |    | 8      | 62.4                 |     | 13     | 57.4            |     | 13     | 18.9             |
| BETTY    |    | 25     | 61.5                 |     | 41     | 55.7            |     | 32     | 17.6             |
| SAIJA    |    | 13     | 64.9                 | o   | 20     | 54.4            |     | 19     | 18.7             |
| SW ARES  |    | 8      | 61.9                 |     | 13     | 46.2            |     | 12     | 19.9             |
| SUEZ     |    | 11     | 56.2                 | *** | 14     | 29.6            | *** | 13     | 21.0             |

### Puna-apila, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Red clover, *Trifolium pratense* L., 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   |    | kpl    | Vyöhyke 1 | Suhde- |   | kpl    | Vyöhyke 2 | Suhde- |     | kpl    | Vyöhyke 3 | Suhde- |   | kpl    | Vyöhyke 4 | Suhde- |    | kpl    | Vyöhyke 5 | Suhde- |   |
|----------|----|--------|-----------|--------|---|--------|-----------|--------|-----|--------|-----------|--------|---|--------|-----------|--------|----|--------|-----------|--------|---|
|          |    |        | kg/ha     | luku   |   |        | kg/ha     | luku   |     |        | kg/ha     | luku   |   |        | kg/ha     | luku   |    |        | kg/ha     | luku   |   |
| Variety  |    | trials | Yield     | rel.   |   | trials | Yield     | rel.   |     | trials | Yield     | rel.   |   | trials | Yield     | rel.   |    | trials | Yield     | rel.   |   |
|          |    |        | kg/ha     |        |   |        | kg/ha     |        |     |        | kg/ha     |        |   |        | kg/ha     |        |    |        | kg/ha     |        |   |
| BJURSELE | =C | 2      | 7594      | 100    |   | 4      | 7212      | 100    |     | 7      | 6562      | 100    |   | 7      | 2400      | 100    |    | 2      | 1633      | 100    |   |
| SW TORUN |    | 2      | 9545      | 126    | o | 7      | 7095      | 98     |     | 7      | 7857      | 120    | * | 10     | 4417      | 184    | ** | 5      | 1781      | 109    |   |
| SW YNGVE |    |        |           |        |   | 4      | 7779      | 108    |     | 4      | 7287      | 111    |   | 4      | 3587      | 149    |    | 2      | 1886      | 116    |   |
| BETTY    |    | 2      | 7294      | 96     |   | 10     | 7520      | 104    |     | 10     | 6819      | 104    |   | 14     | 3802      | 158    | *  | 6      | 1969      | 121    |   |
| SAIJA    |    | 2      | 7531      | 99     |   | 7      | 7211      | 100    |     | 4      | 7213      | 110    |   | 5      | 3555      | 148    |    | 3      | 1522      | 93     |   |
| SW ARES  |    | 2      | 7806      | 103    |   | 4      | 6492      | 90     |     | 4      | 6902      | 105    |   | 4      | 2153      | 90     |    |        |           |        |   |
| SUEZ     |    | 2      | 6220      | 82     |   | 4      | 5220      | 72     | *** | 4      | 6456      | 98     |   | 4      | 1544      | 64     |    | 1      | 175       | 11     | * |

### Puna-apila, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

Red clover, *Trifolium pratense* L., 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   | kpl    | Vyöhyke 1<br>Talvi-<br>tuho % | Suhde-<br>luku | kpl    | Vyöhyke 2<br>Talvi-<br>tuho % | Suhde-<br>luku | kpl    | Vyöhyke 3<br>Talvi-<br>tuho % | Suhde-<br>luku | kpl    | Vyöhyke 4<br>Talvi-<br>tuho % | Suhde-<br>luku | kpl    | Vyöhyke 5<br>Talvi-<br>tuho % | Suhde-<br>luku |
|----------|--------|-------------------------------|----------------|--------|-------------------------------|----------------|--------|-------------------------------|----------------|--------|-------------------------------|----------------|--------|-------------------------------|----------------|
| Variety  | trials | Zone 1<br>Winter<br>damage %  | rel.           | trials | Zone 2<br>Winter<br>damage %  | rel.           | trials | Zone 3<br>Winter<br>damage %  | rel.           | trials | Zone 4<br>Winter<br>damage %  | rel.           | trials | Zone 5<br>Winter<br>damage %  | rel.           |
| BJURSELE | =C 2   | 0.0                           | 100            | 4      | 8.0                           | 100            | 7      | 6.5                           | 100            | 7      | 16.0                          | 100            | 2      | 24.9                          | 100            |
| SW TORUN | 2      | 5.0                           |                | 7      | 9.1                           | 114            | 7      | 8.9                           | 137            | 10     | 9.2                           | 58             | 5      | 21.5                          | 87             |
| SW YNGVE |        |                               |                | 4      | 6.7                           | 84             | 4      | 4.7                           | 72             | 4      | 15.0                          | 94             | 2      | 25.9                          | 104            |
| BETTY    | 2      | 1.0                           |                | 10     | 6.8                           | 85             | 10     | 6.2                           | 95             | 14     | 11.8                          | 74             | 6      | 20.2                          | 81             |
| SAIJA    | 2      | 1.5                           |                | 7      | 8.7                           | 110            | 4      | 7.4                           | 114            | 5      | 17.3                          | 108            | 3      | 25.4                          | 102            |
| SW ARES  | 2      | 5.5                           |                | 4      | 11.5                          | 144            | 4      | 12.4                          | 191            | 4      | 36.3                          | 227            | *      |                               |                |
| SUEZ     | 2      | 1.0                           |                | 4      | 34.7                          | 436            | ***    | 4                             | 18.4           | 284    | **                            | 4              | 50.8   | 318                           | ***            |

### Puna-apila, 2004-2011, Viralliset kokeet: Luokittelu vuosittain

Red clover, *Trifolium pratense* L., 2004-2011, Official variety trials: Classification according to year

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   | kpl    | Vuosi 2008<br>kg/ha | Suhde-<br>luku | kpl    | Vuosi 2010<br>kg/ha | Suhde-<br>luku | kpl    | Vuosi 2011<br>kg/ha | Suhde-<br>luku |
|----------|--------|---------------------|----------------|--------|---------------------|----------------|--------|---------------------|----------------|
| Variety  | trials | Year 2008<br>kg/ha  | rel.           | trials | Year 2010<br>kg/ha  | rel.           | trials | Year 2011<br>kg/ha  | rel.           |
| BJURSELE | =C 1   | 5842                | 100            | 9      | 6684                | 100            | 8      | 5651                | 100            |
| SW TORUN | 5      | 4870                | 83             | 8      | 7469                | 112            | 8      | 7030                | 124            |
| SW YNGVE |        |                     |                | 7      | 7138                | 107            | 7      | 6352                | 112            |
| BETTY    | 6      | 4989                | 85             | 9      | 6723                | 101            | 8      | 5988                | 106            |
| SAIJA    |        |                     |                | 8      | 6830                | 102            | 8      | 6000                | 106            |
| SW ARES  |        |                     |                | 7      | 6458                | 97             | 7      | 5168                | 91             |
| SUEZ     |        |                     |                | 7      | 6136                | 92             | 8      | 3787                | 67             |

### Puna-apila, 2004-2011, Viralliset kokeet: Luokittelu vuosittain

Red clover, *Trifolium pratense* L., 2004-2011, Official variety trials: Classification according to year

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike   | kpl    | Vuosi 2008<br>Talvi-<br>tuho %  | Suhde-<br>luku | kpl    | Vuosi 2010<br>Talvi-<br>tuho %  | Suhde-<br>luku | kpl    | Vuosi 2011<br>Talvi-<br>tuho %  | Suhde-<br>luku |
|----------|--------|---------------------------------|----------------|--------|---------------------------------|----------------|--------|---------------------------------|----------------|
| Variety  | trials | Year 2008<br>Winter<br>damage % | rel.           | trials | Year 2010<br>Winter<br>damage % | rel.           | trials | Year 2011<br>Winter<br>damage % | rel.           |
| BJURSELE | =C 1   | 5.3                             | 100            | 9      | 19.1                            | 100            | 8      | 10.0                            | 100            |
| SW TORUN | 5      | 9.3                             | 177            | 8      | 12.2                            | 64 o           | 8      | 10.6                            | 106            |
| SW YNGVE |        |                                 |                | 7      | 15.6                            | 81             | 7      | 8.7                             | 87             |
| BETTY    | 6      | 5.5                             | 104            | 9      | 15.9                            | 83             | 8      | 10.3                            | 103            |
| SAIJA    |        |                                 |                | 8      | 20.4                            | 107            | 8      | 7.5                             | 75             |
| SW ARES  |        |                                 |                | 7      | 21.2                            | 111            | 7      | 24.4                            | 244 *          |
| SUEZ     |        |                                 |                | 8      | 28.4                            | 149 *          | 8      | 44.8                            | 448 ***        |



### Valkoapila, 2004-2011, Viralliset kokeet

White clover, *Trifolium repens* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    | kpl    | Kok.sato<br>kg/ha       | Sato-<br>ero        | Suhde-<br>luku | kpl    | 1. niiton<br>sato kg/ha   | Suhde-<br>luku | kpl    | Talvi-<br>tuho %   | kpl    | Syys-<br>tiheys %   | kpl    | Kevät-<br>tiheys %  |
|-----------|--------|-------------------------|---------------------|----------------|--------|---------------------------|----------------|--------|--------------------|--------|---------------------|--------|---------------------|
| Variety   | trials | Total<br>Yield<br>kg/ha | Yield<br>difference | rel.           | trials | Yield<br>1st cut<br>kg/ha | rel.           | trials | Winter<br>damage % | trials | Density<br>Autumn % | trials | Density<br>Spring % |
| JÖ 4      | =C 9   | 4073                    | 0                   | 100            | 9      | 2317                      | 100            | 10     | 25.0               | 9      | 97.3                | 9      | 79.4                |
| SILVESTER | 9      | 3688                    | -383                | 91 *           | 9      | 2074                      | 90 o           | 10     | 32.7 *             | 9      | 95.7                | 9      | 70.0 *              |

### Valkoapila, 2004-2011, Viralliset kokeet

White clover, *Trifolium repens* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    | kpl    | Sato 1v<br>kg/ha                 | Suhde-<br>luku | kpl    | Sato 2v<br>kg/ha                 | Suhde-<br>luku |
|-----------|--------|----------------------------------|----------------|--------|----------------------------------|----------------|
| Variety   | trials | Total yield<br>1st year<br>kg/ha | rel.           | trials | Total yield<br>2nd year<br>kg/ha | rel.           |
| JÖ 4      | =C 5   | 4634                             | 100            | 4      | 3807                             | 100            |
| SILVESTER | 5      | 4125                             | 89 o           | 4      | 3579                             | 94             |

### Valkoapila, 2004-2011, Viralliset kokeet

White clover, *Trifolium repens* L., 2004-2011, Official variety trials

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    |    | kpl    | Bot. anal-<br>% | kpl    | Tähk.alk<br>vrk      | kpl    | Kuiva-<br>aine-% |
|-----------|----|--------|-----------------|--------|----------------------|--------|------------------|
| Variety   |    | trials | Bot. anal-<br>% | trials | Coming into<br>ear d | trials | Dry<br>matter-%  |
| JÖ 4      | =C | 9      | 55.0            | 7      | 55.4                 | 9      | 15.6             |
| SILVESTER |    | 9      | 51.9            | 7      | 55.2                 | 9      | 16.4             |

### Valkoapila, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

White clover, *Trifolium repens* L., 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    |    | kpl    | Vyöhyke 2<br>kg/ha | Suhde-<br>luku | kpl    | Vyöhyke 3<br>kg/ha | Suhde-<br>luku | kpl    | Vyöhyke 4<br>kg/ha | Suhde-<br>luku |
|-----------|----|--------|--------------------|----------------|--------|--------------------|----------------|--------|--------------------|----------------|
| Variety   |    | trials | Zone 2<br>kg/ha    | rel.           | trials | Zone 3<br>kg/ha    | rel.           | trials | Zone 4<br>kg/ha    | rel.           |
| JÖ 4      | =C | 2      | 2761               | 100            | 4      | 5885               | 100            | 2      | 4415               | 100            |
| SILVESTER |    | 2      | 2199               | 80             | 4      | 5610               | 95             | 2      | 3881               | 88             |

### Valkoapila, 2004-2011, Viralliset kokeet: Luokittelu vyöhykkeittäin

White clover, *Trifolium repens* L., 2004-2011, Official variety trials: Classification according to zones

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    |    | kpl    | Vyöhyke 2<br>Talvi-<br>tuho % | Suhde-<br>luku | kpl    | Vyöhyke 3<br>Talvi-<br>tuho % | Suhde-<br>luku | kpl    | Vyöhyke 4<br>Talvi-<br>tuho % | Suhde-<br>luku | kpl    | Vyöhyke 5<br>Talvi-<br>tuho % | Suhde-<br>luku |
|-----------|----|--------|-------------------------------|----------------|--------|-------------------------------|----------------|--------|-------------------------------|----------------|--------|-------------------------------|----------------|
| Variety   |    | trials | Zone 2<br>Winter<br>damage %  | rel.           | trials | Zone 3<br>Winter<br>damage %  | rel.           | trials | Zone 4<br>Winter<br>damage %  | rel.           | trials | Zone 5<br>Winter<br>damage %  | rel.           |
| JÖ 4      | =C | 2      | 19.5                          | 100            | 4      | 10.3                          | 100            | 2      | 13.0                          | 100            | 2      | 72.0                          | 100            |
| SILVESTER |    | 2      | 27.0                          | 138            | 4      | 15.0                          | 146            | 2      | 29.0                          | 223            | 2      | 77.5                          | 108            |

### Valkoapila, 2004-2011, Viralliset kokeet: Luokittelu vuosittain

White clover, *Trifolium repens* L., 2004-2011, Official variety trials: Classification according to years

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    |    | kpl    | Vuosi 2010<br>kg/ha | Suhde-<br>luku |  | kpl    | Vuosi 2011<br>kg/ha | Suhde-<br>luku |
|-----------|----|--------|---------------------|----------------|--|--------|---------------------|----------------|
| Variety   |    | trials | Year 2010<br>kg/ha  | rel.           |  | trials | Year 2011<br>kg/ha  | rel.           |
| JÖ 4      | =C | 5      | 4634                | 100            |  | 4      | 3807                | 100            |
| SILVESTER |    | 5      | 4125                | 89             |  | 4      | 3579                | 94             |

### Valkoapila, 2004-2011, Viralliset kokeet: Luokittelu vuosittain

White clover, *Trifolium repens* L., 2004-2011, Official variety trials: Classification according to years

Estimoidut lajikekeskiarvot, Estimated variety means

| Lajike    |    | kpl    | Vuosi 2010<br>Talvi-<br>tuho %  | Suhde-<br>luku |  | kpl    | Vuosi 2011<br>Talvi-<br>tuho %  | Suhde-<br>luku |
|-----------|----|--------|---------------------------------|----------------|--|--------|---------------------------------|----------------|
| Variety   |    | trials | Year 2010<br>Winter<br>damage % | rel.           |  | trials | Year 2011<br>Winter<br>damage % | rel.           |
| JÖ 4      | =C | 5      | 21.2                            | 100            |  | 5      | 28.8                            | 100            |
| SILVESTER |    | 5      | 29.6                            | 140 o          |  | 5      | 35.8                            | 124            |



## Viralliset lajikekokeet

Uusien peltokasvilajikkeiden viljelyarvo selvitetään virallisilla lajikekokeilla, joita MTT tekee vuosittain. Kokeissa tutkitaan käytännön viljelyä vastaavissa olosuhteissa uusien lajikkeiden satoisuutta, viljelyominaisuuksia ja sadon laatua. Tässä julkaisussa esitellään virallisten lajikekokeiden tulokset vuosilta 2004–2011.

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