



Luonnonvara- ja
biotalouden
tutkimus 3/2016

Virallisten lajikekokeiden tulokset 2008–2015

Results of the Official Variety Trials 2008–2015

Antti Laine, Merja Högnäsbacka, Marja Kujala, Markku Niskanen,
Lauri Jauhiainen ja Hannele Nikander

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Tiivistelmä

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Virallisia lajikekokeita tehdään uusien kasvilajikkeiden viljelyarvon arvioimiseksi. Tiedot kasvilajikkeiden satoisuudesta, viljelyominaisuuksista ja sadon laadusta auttavat viljelijöitä ja pellon tuotteiden jalostajia valitsemaan oikeat lajikkeet käyttöönsä. Myös kasvilajikeluetteloon otettavat lajikkeet päätetään virallisten lajikekokeiden tulosten perusteella. Lajikkeiden viljelyarvoa arvioidaan käytännön viljelyä vastaavissa kenttäkokeissa, joissa uusia lajikkeita verrataan tunnettuihin mittarilajikkeisiin. Kokeet toteutetaan valtakunnallisesti kattavasti, vuonna 2015 kahdellatoista koepaikalla. Lisäksi järjestetään erilliset kokeet viljojen taudinkestävyyden ja ohralajikkeiden happamuudenkestävyyden selvittämiseksi. Myllyvehnistä määritetään leivontalaatu.

Uuden kasvilajikkeen viljelyarvo selvitetään kahden vuoden kokeilla. Monivuotisilla nurmikasveilla koejakso kestää kuitenkin perustamisvuoden jälkeen kolme satovuotta. Lajikeluetteloon hyväksytyistä lajikkeista voidaan peruskoejakson jälkeen tehdä täydentäviä neuvonnallisia kokeita. Lajikekokeiden tulokset esitetään kahdeksan vuoden yhdistelminä. Tulokset analysoidaan käyttäen lineaarisia sekamalleja.

Asiasanat: lajikkeet, leipävilja, rehuvilja, palkokasvit, öljykasvit, nurmikasvit, peruna

Abstract

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The purpose of the official variety trials is to evaluate plant varieties for the value for cultivation and use. Information about the yield potential and suitability for cultivation and the crop quality help farmers and processing industry to choose the best varieties for their purposes. The decision to accept a variety to the official plant variety list is also based on the results of the official variety trials. The value for cultivation and use is assessed in field trials where new varieties are cultivated in common cultivation methods side by side with well known varieties.

The official variety trials include all cropping zones in Finland. In 2015 the trials were located in 12 trial sites. Along with the field trials there are separate trials to estimate crop varieties' resistance to plant diseases and barley varieties' tolerance for low pH in soil. The baking quality of bread wheat varieties is assessed in a baking laboratory.

The official variety tests take two years on annual plants and on perennial grasses the evaluation is based on the results of three years. After a variety has been added to the official plant variety list it is allowed to be tested in the official variety trials as an advisory variety.

The results of the variety trials are summaries over the past eight years. The results are analyzed using a linear mixed model procedure so that the estimated means of the varieties are comparable despite of different trial years.

Keywords: plant varieties, bread grain, fodder grain, leguminous plants, oil plants, pasture plants, potato

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1. Viralliset lajikekokeet

Virallisten lajikekokeiden tehtävänä on selvittää uusien peltokasvilajikkeiden viljelyarvo. Kokeista säädetään maa- ja metsätalousministeriön asetuksessa 51/2004. Peltokasvien viralliset lajikekokeet järjestää Luonnonvarakeskus (Luke). 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 kasvilajikeluetteluun. Tämän jälkeen lajikkeen omistaja voi vielä halutessaan ilmoittaa lajikkeen lisäkokeisiin.

Lajikekokeet tehdään kunkin lajikkeen viljelyyn soveltuvalla alueella. Ne ovat käytännön viljelyä vastaavia kenttäkokeita. Kokeita oli vuonna 2015 kaikkiaan 12 koepaikalla (Kuva 1). Virallisia lajikekokeita suorittavat Luken toimeksiannosta ProAgria Nylands Svenska Lantbrukssällskap, Boreal Kasvinjalostus Oy ja K-maatalouden koetila. Sokerijuurikkaan lajikekokeet hoitaa Sokerijuurikkaan tutkimuskeskus.

Vehniä koeleivonnat tehdään Eviran Viljalaboratoriossa.

Nurmikkokasvien lajikekokeet hoidetaan Pohjoismaisena yhteistyönä. Kokeiden koordinoinnista vastaa Norwegian Institute of Bioeconomy Research (NIBIO), joka toimii Norjan maatalous- ja elintarvikeministeriön alaisuudessa. Suomen osalta kokeiden yhdyshenkilönä toimii Markku Niskanen.

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

1 Official variety trials

Official variety trials are conducted by Natural Resources Institute Finland (Luke) 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 cultivation value, 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.

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 12 trial sites in 2015 (Figure 1). They are also conducted by ProAgria Nylands Svenska Lantbrukssällskap (a regional agricultural advisory organisation located in Southern Finland), Boreal Plant Breeding Ltd and the K-Group Experimental Farm. The sugar beet variety trials are carried out by the Sugar Beet Research Centre.

The baking quality tests of bread wheat are made by the Grain Laboratory of the Finnish Food Safety Authority Evira.

The turf grass trials take place in Scandinavian cooperation and the variety trials are conducted by the Norwegian Institute of Bioeconomy Research (NIBIO) which is a merger between the Norwegian Institute for Agricultural and Environmental Research, the Norwegian Agricultural Economics Research Institute and the Norwegian Forest and Landscape Institute. In Finland the contact person is Markku Niskanen.

Decisions on the inclusion of varieties in the National List of Plant Varieties 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.

2. Koetulosten tulkinta

2.1. Yleistä

Tässä julkaisussa on esitetty virallisten lajikekokeiden tulokset vuosilta 2008 – 2015. Vehniä leivontalaatutulokset ovat toistaiseksi vuosilta 2008 – 2014.

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, koevuosien, maalajin ja satotason mukaan ryhmiteltyinä. Nurmikasvien satotulokset on lisäksi laskettu nurmen iän mukaan eriteltyinä.

Maalajin ja satotason mukaisilla ryhmitellyillä tarkastellaan lajikkeiden viihtyvyyttä. Ohralajikkeilla on lisäksi erillinen happamuuksitietokoe, jossa maan pH on erityisen alhainen.

Viljojen, öljykasvien ja palkoviljojen lajikkeet ovat tuloksissa kasvuajan mukaisessa järjestyksessä. Vehniä leivontatulokset ovat jauhosaannon mukaisessa järjestyksessä. Rehunurmilajikkeet on tuloksissa järjestetty kokonaisadon mukaan.

Aineisto on analysoitu sekamallilla, jossa lajike on kiinteä tekijä. 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 monesta kokeesta lajikkeella on tuloksia.

Sato (kg/ha) on lajikkeen vertailukelpoinen sato keskimääräisissä kasvuolosuhteissa. Sato ilmoitetaan viljoilla ja palkokasveilla 15 prosentin ja öljykasveilla 9 prosentin kosteudessa.

Suhdeluku (SI) on lajikkeen keskimääräinen suhteellinen sato verrattuna mittarin satoon.

2 Evaluation of results

2.1 General

This annual bulletin presents the results of the official variety trials for 2008 – 2015. The results of baking quality tests on wheat cover the years 2008 – 2014.

The results have been analysed with 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 give yields by cropping zones, trial years, soil types and yield levels. The yields of grasses were calculated also by the age of the lay.

The results classified by soil types and yield levels can be used to evaluate the adaptability of varieties. The tolerance of low pH in soil has been tested on barley in a separate trial.

The varieties of cereals, oilseeds and pulses have been sorted by growing time. The baking quality results have been sorted by flour yield. The feed grass varieties have been sorted by the total yield.

The data has been analysed by using the mixed model approach in which the variety is assumed to be a fixed effect 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 below:

Trials indicates the number of trials in which the variety has been assessed.

Yield (kg/ha) is the estimated mean yield of the variety considering environmental conditions. The yields of grains and pulses are calculated in 15 % and oilseed yields in 9 % moisture content.

Ratio (Rel.) is the average yield of the variety relative to the yield of the control variety.

2.2. Viljat, palko- ja öljykasvit

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

Lako (%) kertoo kasvuston keskimääräisestä lakoutumisasteesta. 100 on täysin lakoutunut.

Kasvu aika (vrk) on jakso kylvöstä keltatu-leentumiseen.

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

Pituus (cm) kertoo kasvien keskimääräisen korkeuden.

Tjp (g) on 1000 siemenen paino.

Hehtolitrapaino (kg) on sadon tilavuus-pai-no.

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

Lajittelu (%) on 2.5 mm seulan päälle jäävien jyvien osuus sadosta.

Tärkkelys (%) kuvaa jyvien tärkkelyspitoisuutta.

Kuori (%) kuvaa kauran kuoren osuutta sadosta.

Sakoluku 1 on sakoluku normaalina viljan-korjuuaikana.

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

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

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

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

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

2.2 Cereals, pulses and oil-seeds

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

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

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

Temperature sum (dd) is days calculated from sowing to yellow ripening. +5 °C is used as the threshold value for calculation.

Length (cm) is the average height of the plants.

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.

Sieving (%) describes the seed size. It is the proportion of seeds on the top of 2.5 mm sieve.

Starch (%) is the proportion of starch in the yield.

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

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

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

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

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

Chlorophyll (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.

2.3. 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 mittalasisissa isopropylal-koholin ja maitohapon seoksessa sekoitetun jauhon liettyneen sitkopatsaan korkeus

Vedensidonta (%) on vesimäärä, joka tarvitaan määrätyn kiinteyden omaavan taikinan valmistamiseen jauhosta (kosteus 14 %).

Valorimetriluku ilmaisee taikinan muodostumisajan, 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 (mm) eli taikinan venytysvastus on ekstensografin piirtämän käyrän korkeus, kun taikinaa venytetään katkeamiseen asti.

Ekstensogrammin pinta-ala (cm²) eli ekstensografin piirtämän käyrän rajaaman alueen pinta-ala, kun taikinaa venytetään katkeamiseen asti.

Taikinan pehmenemisaste (FU) määritetään farinografilla.

Tuhka (%) kuiva-aineessa.

2.4. Rehunurmet

Sadot (kg/ha) ilmoitetaan kuiva-aineena.

Botaaninen analyysi (%) kuvaa testattavan kasvin osuutta sadosta. Määritys on huomioitu koekasvin puhtaan sadon määrässä.

Röyhylle tai tähkälle tulo ja kukinnan alkaminen (vrk) ilmoittaa päivien määrän toukokuun 1. päivästä siihen asti, jolloin viisi prosenttia kasveista on tässä kehitysvaiheessa.

2.3 Baking quality of wheat

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

Falling number (s) is the falling number of the flour.

Protein content (%) presents protein content in dry matter.

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

Zeleny number is the height of flour gluten pole after shaking in the mixture of isopropyl alcohol and lactic acid.

Water absorption (%) is the amount of water needed to obtain a specified consistency of dough (starting with flour at 14 % moisture).

Valorimeter value is a quality score based on dough development time and tolerance to mixing. It is measured with a farinogram.

Extensogram length (mm) or extensibility of the dough is the length of the curve drawn by an extensograph, when the dough is stretched to breaking point.

Extensogram height (mm) or resistance of dough is the height of the curve which an extensograph draws when the dough is stretched to breaking point.

Extensogram area (cm²) is the area confined by the curve drawn by an extensograph, when the dough is stretched to breaking point.

Degree of softening (FU) has been tested in a farinograph

Ash (%) in dry matter.

2.4 Grasses for feed

Yields (kg/ha) are expressed in dry matter.

Botanical analysis (%) describes the percentage of the tested plant species in the yield. The evaluation is included in the net yield.

Coming into ear and start of blossoming (days) expresses the number of days from May 1st to the date when 5 % of the plants have reached this growth stage.

Syystiheys (%) ilmoittaa peittävyden kasvun päätyttyä, 100 = täyspeittävyys

Kevättiheys (%) ilmoittaa peittävyden kasvun selvästi alettua, 100 = täyspeittävyys

Talvituho (%) ilmoittaa syys- ja kevättiheiden eron, 100 = täysin tuhoutunut

Nurmisadon laatu määritetään NIRS-tekniikalla eli lähi-infrapuna-heijastus-spektroskopiolla.

D-arvo (g/kg ka) kuvaa sulavan orgaanisen aineen määrää kuiva-aineessa

NDF (g/kg ka) neutraalidetergenttikuitu eli solunseinämäkuitu kertoo kokonaiskuitumäärän sadon kuiva-aineessa

iNDF (g/kg ka) kertoo neutraalidetergenttikuidun sulamattoman osan määrän

Ligniini (g/kg ka) kuvaa kuiva-aineen ligniinipitoisuutta

Sokeri (g/kg ka) kertoo kuiva-aineen soke-ripitoisuuden

ME (MJ/kg ka) Muuntokelpoisen energian määrä eli energia-arvo kuiva-aineessa

Valkuaissato (kg/ha) on NIRS-analyysillä saatu N-% kerrottuna 6,25 ja kuiva-ainesadolla

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

2.5. Tilastollinen merkitsevyys

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

- o = merkitsevä 10 prosentin tasolla
- * = merkitsevä 5 prosentin tasolla
- ** = merkitsevä 1 prosentin tasolla
- *** = merkitsevä 0.1 prosentin tasolla

2.6. Lisätietoja

Lajikekokeisiin liittyvää tietoa on saatavilla osoitteesta www.luke.fi/lajikekokeet .

Autumn Cover (%) is assessed when growth has stopped (100 = full cover)

Spring Cover (%) is assessed when growth has clearly started (100 = full cover)

Winter damage (%) is the difference between autumn and spring cover, 100 = total winter damage.

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

D value (g/kg DM) Digestible organic matter in the dry matter

NDF (g/kg DM) Neutral Detergent Fiber i.e. total fiber content in the dry matter

iNDF (g/kg DM) Indigestible Neutral Detergent Fiber in the dry matter

Lignin (g/kg DM) Lignin content in the dry matter

Sugar (g/kg DM) Sugar content in the dry matter

ME (MJ/kg DM) Metabolisable energy content in the dry matter

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

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

2.5 Statistical significance

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

- o = significant at 10 percent level
- * = significant at 5 percent level
- ** = significant at 1 percent level
- *** = significant at 0.1 percent level

2.6 Additional information

More information is available (in Finnish) at www.mtt.fi/lajikekokeet .

Tutkijat

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Virallisten lajikekokeiden vastuuhenkilö
Syys- ja kevätruus, syys- ja kevätvehnä,
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ninraiheinä, italianraiheinä, westerwoldin
raiheinä, puna-apila, valkoapila, sinimai-
lanen, ruokohelpi, punanata, niittynur-
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ä = a, ö = o

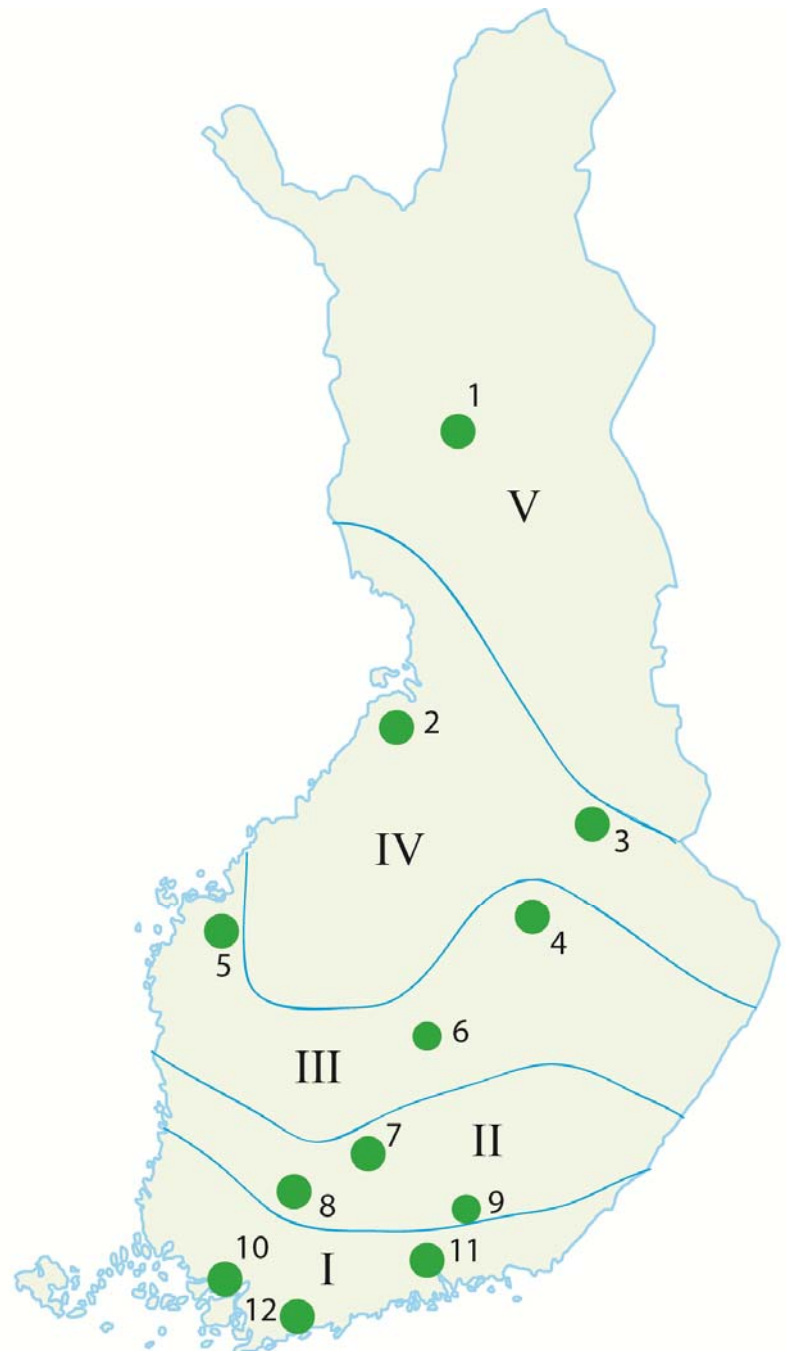
Luken toimipisteet :

Units of Natural Resources Institute Finland (Luke):

1. ROVANIEMI
2. RUUKKI, SIIKAJOKI
3. SOTKAMO
4. MAANINKA
5. YLISTARO, SEINÄJOKI
8. JOKIOINEN

Muut koepaikat/ *The other trial sites*

6. LAUKAA, Jyväskylän seutu
7. HAUHO, Hämeenlinna
K-maatalouden koetila
Experimental farm of K Group
8. JOKIOINEN
Boreal Kasvinjalostus Oy
Boreal Plant Breeding Ltd.
9. IITTI
Pilotti-hanke – maatila
Pilot-project – Farm
10. LIETO, Turun seutu
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 viljelyvyöhykkeet 2015.

Figure 1. Cropping zones and trial sites of the official variety trials in 2015.

Taulukko 1. Viljojen sekä palko- ja öljykasvien koepaikat 2015. S = Satokoe, H = Hylätty koe.

Table 1. Trial sites for cereals, pulses and oilseeds 2015. S = Standard trial, H = Cancelled trial.

	LIETO	INKOO	PERNAJA	JOKIOINEN	IITTI	HAUHO	YLISTARO	JYVÄSKYLÄ	RUUKKI	SOTKAMO
Vyöhyke – Cropping zone	1	1	1	2	2	2	3	3	4	4
Syysruis - Winter rye	S	S		S		S	S	S		
Ruisvehnä - Triticale		S				S				
Syysvehnä - Winter wheat	H	S	S	S		S				
Syysrapsi - Winter oilseed rape	S	S		H		S				
Kevätvehnä - Spring wheat	H	S	S	S	S	S	S	S	S	
Ohra - Barley	S	S	S	S		S	S	S	S	H
Kaura - Oat	S	S	S	S		S	S		S	
Herne - Pea	H	S		S		S	S			
Härkäpapu - Broad bean	S			S						
Kevätropsi - Spring turnip rape	S	S		S		S	S	S	S	
Kevätropsi - Spring oilseed rape	H	S	S	S	S	S				

Taulukko 2. Rehunurmien koepaikat 2015. S = Satokoe, H = Hylätty koe.

Table 2. Trial sites for feed grasses 2015. S = Standard trial, H = Cancelled trial

	JOKIOINEN	YLISTARO	JYVÄSKYLÄ	MAANINKA	RUUKKI	SOTKAMO	ROVANIEMI
Vyöhyke – Cropping zone	2	3	3	3	4	4	5
Vuonna 2013 perustetut kokeet – Sowing year 2013							
Timotei – Timothy	S	S	S	S	S	S	S
Nurminata – Meadow fescue	S	S	S	S	S	S	S
Ruokonata – Tall fescue	S	S	S	S	S		
Italian raiheinä – Annual ryegrass		S			S	S	S
Puna-apila – Red clover	S	S		S	S	S	S
Vuonna 2015 perustetut kokeet – Sowing year 2015							
Timotei – Timothy	S	S	S	S	S	S	S
Nurminata – Meadow fescue	S	S	S	S	S	S	S
Ruokonata – Tall fescue	S	S	S	S	S		
Italian raiheinä – Annual ryegrass		S			S	S	S
Puna-apila – Red clover	S	S		S	S	S	S

Taulukko 3. Lajikkeita, jotka ovat aikaisempien vuosien tuloksissa linjanumerolla.

Table 3. Code numbers of varieties, which have been used in previous years results.

Kasvi	Lajikkeen nimi	Linjanumero
syysruis – winter rye		
11	Evolo	LHP 71
11	Reetta	Bor 03001
11	Riihi	Jo 8242
syysvehnä – winter wheat		
12	Arktika	BOR 95109
12	Ceylon	SW 75107
12	SW Magnifik	SW 47672
12	Rehti	Bor 9114
12	Urho	Jo 5454
12	Janne	NIC05-4588A
12	Veeti	Bor 95406
kevätvehnä – spring wheat		
13	Aallotar	Bor 03026
13	Amaretto	STRG 110-98
13	Anniina	Bor 25113
13	Bjarne	NK 97520
13	Calixo	SEC426-01-2b
13	Cornetto	SECFK-431-01-9
13	Demonstrant	NK 01568
13	Draco	SECFK 415-00-4
13	DSV 0410.42111	TRI 0410.42111
13	Epos	SCHW 41-91 54
13	Herttua	Bor 07569
13	Kreivi	Bor 09026
13	Kruunu	Bor 25445
13	Licamero	Calimero
13	Lumikki	Bor 09321
13	Marble	Bor 01563
13	Puntari	SW 41365
13	Wanamo	Bor 03041
13	Wappu	Bor 04086
13	Wellamo	Bor 02012
13	Wicki	SECFK 431-01-03
13	Zebra	SW 35098
ohra – barley		
14	Alvari	Bor 10686
14	Amber	SW 37868
14	Aukusti	Bor 04509
14	Edel	NK 96300

14	Edvin	Bor 00725
14	Einar	Bor 01522
14	Elmeri	Bor 00722
14	Fennica	Bor 10035
14	Fortuna	AC 0760254
14	Gesine	NORD 10/2530
14	Harbinger	Bor 03180
14	Jalmari	Bor 07533
14	Justus	Bor 09704
14	Kaarle	Bor 10661
14	Marthe	NORD 2125
14	Melius	SYN 409–228
14	Pompe	NORD 09/2417
14	RGT Planet	LSB 0769-3306
14	Rusalka	AC 659482
14	Saana	Jo 1754
14	Salome	NORD 08/241
14	Severi	Bor 09707
14	Soulmate	NOS 16111-55
14	Streif	STRG 678.04
14	Trekker	Bor 05183
14	Trym	GN 06003
14	Uta	NORD 11/2412
14	Vertti	Bor 10572
14	Vilde	NK 98268 (Nina)
14	Vilgott	SWÅ 01448
14	Voitto	Bor 98516
14	Wolmari	Bor 04559
kaura – oats		
15	Akseli	Bor 03071
15	Alku	BOR 07036 (Gitta)
15	Avetron	GN 08207 (Aamu)
15	Avanti	SW 081212
15	Belinda	SW 92190
15	Bettina	SW 031805
15	Charly	NORD 08/320
15	Eemeli	Bor 96022
15	Harald	Baub 2009.1968
15	Iiris	Bor 04093
15	Marika	NK 96166
15	Meeri	Bor 07015
15	Matty	NORD 10/316
15	Mirella	Bor 04114
15	Moby	NORD 09/127
15	Niklas	Bor 08024

15	Obelix	Baub 2008.1978
15	Peppi	Bor 95119
15	Riina	Bor 07011
15	Ringsaker	NK 02084
15	Rocky	NORD 09/307
15	Roope	Jo 1367
15	Steinar	Bor 3148
15	Symphony	NORD 09/128
15	Venla	Bor 97065
15	Viviana	Bor 02026
herne – pea		
21	Antti	SW C6198
21	Hulda	Bor 58766
21	Ingrid	SW E 5053
21	Jermu	Bor 00006
21	Jymy	Bor 03009
21	Karita	SVF 35122
21	Rokka	SW 96664
härkäpapu – broad bean		
25	Kontu	Bor 61437
25	Louhi	Bor 11002
25	Sampo	Bor 11003
kevättrypsi – spring turnip rape		
31	Apollo	Bor 4391
31	Cordelia	Bor 04565
31	Henrika	Bor 05075
31	Juliet	Bor 04567
31	SW Petita	SW F3164
kevättrapsi – spring oilseed rape		
33	Brander	RG40301
33	Brando	SW J 2827
33	Builder	RG40201
33	Campino	NZP SR 11/03
33	Cleopatra	SOSR 0811
33	DK 7175	D3273
33	Dodger	RG 40101
33	Drago	DLE 1417
33	SilverShadow	Top 430
33	Smilla	DLE 1006
33	Sunder	RG 40203
33	Tamarin	SW L2838
33	Trapper	NZP SR 0707

syysrapsi – winter oilseed rape		
32	Legato-syysrypsi	JO1-13051
34	Thure	NPZ 1203 Z
34	PR46W24	Müller 24
timotei – timothy		
61	Jonatan	SV Å 78181
61	Niilo	Bor 94384
61	Nuutti	Bor 94363
61	Rakel	SWN TT 0004
61	Rhonia	Bor 0306
61	Rubinia	Bor 0302
61	Switch	SW TT 2528
61	Tammisto II	HJA 80102
61	Tenho	Bor 94322
61	Tryggve	SWN TT 9304
61	Tuure	Bor 94372
61	Uula	Bor 94371
nurminata – meadow fescue		
62	Evert	Bor 20603
62	Ilmari	Jo 0807
62	Inkeri	Bor 0843
62	Karolina	Bor 86218 (Ruokonata)
62	Kasper	SV A 01277
62	Klaara	Bor 20202
62	Retu	Hja 2170 (Ruokonata)
62	Swaj	SW VS 4509 (Ruokonata)
62	SW Minto	SW ÅS 85
62	SW Revansch	SWN ÅS 9301
62	Valtteri	Bor 22003
puna-apila – red clover		
69	Saija	Bor 0902
69	SW Yngve	SWÅ RK 95095

3. Tulokset

3.1. Syysruis / Winter rye / *Secale cereale* L.

Syysruis, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot

Winter rye, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Sato kg/ha	Sato- ero	Suhde- luku		kpl	Talvi- tuho %		kpl	Kasvu- aika pv		kpl	Lako- %		kpl	Pituus cm
Variety		trials	Yield kg/ha	Yield difference	rel.		trials	Winter damage %		trials	Growing time d		trials	Lodging %		trials	Length cm
EVOLO	=C H	42	6678	0	100		33	15		36	338		23	31		42	117
RIIHI		13	4998	-1679	75 ***		6	10		10	336 ***		7	40 o		13	154 ***
REETTA		42	5615	-1062	84 ***		33	13		36	336 ***		23	28		42	136 ***
KIER		26	5175	-1502	77 ***		19	23 *		23	337 ***		13	15 ***		26	123 ***
DANKOWSKIE AGAT		16	6190	-487	93 *		14	15		13	337 *		10	24 o		16	123 ***
SU ALLAWI	H	11	7058	379	106		9	21		10	337 *		8	24		11	117
KWS MAGNIFICO	H	11	6264	-413	94		9	16		10	337 *		8	29		11	118
ELVI		26	4962	-1715	74 ***		19	29 ***		23	337 o		13	32		26	144 ***
SU PERFORMER	H	6	7362	684	110 *		5	15		6	337		5	22 o		6	114
HELLTOP	H	15	5644	-1033	85 ***		15	23 *		14	337		7	16 **		15	121 **
KAPITÄN	S	11	5445	-1233	82 ***		10	22		9	338		6	17 **		11	118
CASPIAN	H	16	6162	-515	92 *		15	22 o		13	338		9	20 **		16	123 ***
BRASETTO	H	11	6328	-349	95		11	23 *		9	338		6	18 **		11	119 o
KWS LIVADO	H	6	7579	901	113 **		5	14		6	339		5	23		6	117

H = hybridilajike / Hybrid variety

S = syntetinen lajike / Synthetic population variety

Syysruis, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
 Winter rye, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Tjg		Hlp		Valk.-		Sako-		Sako-
Variety		trials	1000 seed weight g		HI weight kg		Prot.-		Falling number 1		Falling number 3
EVOLO	=C	42	37.1	42	74.7	41	9.6	42	216	8	158
RIIHI		13	31.3 ***	13	72.9 ***	13	11.3 ***	13	169 ***	4	109 ***
REETTA		42	31.3 ***	42	74.6	41	11.0 ***	42	172 ***	8	100 ***
KIER		26	35.4 ***	26	73.7 ***	26	10.7 ***	26	170 ***	7	112 ***
DANKOWSKIE AGAT		16	34.1 ***	16	73.5 ***	15	10.3 ***	16	186 ***		
SU ALLAWI		11	38.9 **	11	75.0	10	9.6	11	206		
KWS MAGNIFICO		11	35.1 **	11	75.4 *	10	9.1 *	11	222		
ELVI		26	35.1 ***	26	73.7 ***	26	11.1 ***	26	145 ***	7	97 ***
SU PERFORMER		6	35.7 o	6	74.5	6	9.0 **	6	236 *		
HELLTOP		15	36.9	15	75.5 *	15	10.7 ***	15	173 ***	4	118 **
KAPITÄN		11	34.8 ***	11	75.5 *	11	10.0 *	11	183 ***	4	131 *
CASPIAN		16	35.7 *	16	73.3 ***	15	9.2 **	16	194 ***	2	121 *
BRASETTO		11	38.2 o	11	74.3	11	9.7	11	193 **	2	132
KWS LIVADO		6	35.2 *	6	74.6	6	10.0 o	6	198 o		

Syysruis, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Winter rye, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike		Vyöhyke I	Suhde-		Vyöhyke II	Suhde-		Vyöhyke III	Suhde-	
	kpl	kg/ha	luku		kg/ha	luku		kg/ha	luku	
Variety	trials	Zone I	rel.		Zone II	rel.		Zone III	rel.	
		kg/ha			kg/ha			kg/ha		
EVOLO =C	15	5633	100		13	7257	100	14	7333	100
RIIHI	5	3832	68 ***		4	5999	83 *	4	5221	71 ***
REETTA	15	4856	86 ***		13	5809	80 ***	14	6270	86 ***
KIER	11	4615	82 ***		7	4914	68 ***	8	5852	80 ***
DANKOWSKIE AGAT	4	5705	101		6	6288	87 *	6	6897	94
SU ALLAWI	3	6733	120 *		4	6887	95	4	7887	108
KWS MAGNIFICO	3	4847	86 o		4	6082	84 *	4	7874	107
ELVI	11	4144	74 ***		7	5451	75 ***	8	5363	73 ***
SU PERFORMER	2	7024	125 **		2	7318	101	2	7959	109
HELLTOP	6	4752	84 **		4	6052	83 *	5	6320	86 **
KAPITÄN	3	4734	84 *		4	5557	77 **	4	6185	84 **
CASPIAN	5	5191	92		5	6885	95	6	6644	91 *
BRASETTO	4	5310	94		3	5958	82 *	4	7727	105
KWS LIVADO	2	7128	127 **		2	7929	109	2	7959	109

Syysruis, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vuosittain

Winter rye, Official variety trials 2008 – 2015, Estimated variety means, Classification according to years

Lajike	Vuosi 2012			Vuosi 2013			Vuosi 2014			Vuosi 2015		
	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku
Variety	trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.
EVOLO =C	5	6631	100				5	7131	100	6	7467	100
REETTA	5	5546	84 o				5	5848	82 *	6	6729	90 o
DANKOWSKIE AGAT	5	5720	86				5	6426	90	6	7400	99
SU ALLAWI							5	6551	92	6	8621	115 **
KWS MAGNIFICO							5	6491	91	6	7182	96
SU PERFORMER										6	8457	113 *
HELLTOP	2	6244	94									
KAPITÄN	5	5147	78 *									
CASPIAN	5	6341	96				5	5770	81 *			
BRASETTO	5	5793	87									
KWS LIVADO										6	8695	116 **

Syysruis, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu maajeittain

Winter rye, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike		kpl	Karkeat kiv. maat kg/ha	Sato- ero	Suhde- luku		kpl	Savimaat kg/ha	Sato- ero	Suhde- luku
Variety		trials	Coarse mineral kg/ha	Yield difference	rel.		trials	Clay kg/ha	Yield difference	rel.
EVOLO	=C	12	7088	0	100		27	6730	0	100
RIIHI		2	6447	-639	91		10	4738	-1990	70 ***
REETTA		12	5838	-1248	82 ***		27	5684	-1044	84 ***
KIER		6	5126	-1961	72 ***		19	5397	-1332	80 ***
DANKOWSKIE AGAT		6	6305	-782	89 *		8	6318	-410	94
SU ALLAWI		3	7487	399	106		6	6910	180	103
KWS MAGNIFICO		3	7469	381	105		6	5903	-825	88 *
ELVI		6	5197	-1890	73 ***		19	4987	-1742	74 ***
SU PERFORMER		2	7563	476	107		3	7743	1013	115 *
HELLTOP		5	5445	-1642	77 ***		10	5990	-739	89 **
KAPITÄN		4	5800	-1287	82 **		7	5462	-1267	81 ***
CASPIAN		6	6569	-518	93		9	6380	-349	95
BRASETTO		5	6451	-636	91		6	6575	-154	98
KWS LIVADO		2	7564	476	107		3	7838	1108	116 *

Syysruis, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu satotason mukaan
 Winter rye, Official variety trials 2008 – 2015, Estimated variety means, Classification according to crop yields

Lajike		Alhainen satotaso kg/ha	Suhde- luku		Keskimääräinen satotaso kg/ha	Suhde- luku		Korkea satotaso kg/ha	Suhde- luku
Variety	trials	Low yield kg/ha	rel.	trials	Medium yield kg/ha	rel.	trials	High yield kg/ha	rel.
EVOLO	=C 13	4605	100	14	6764	100	15	8488	100
RIIHI	3	3880	84 o	6	5050	75 ***	4	5925	70 ***
REETTA	13	3916	85 **	14	5691	84 ***	15	7087	83 ***
KIER	9	3219	70 ***	9	5234	77 ***	8	6914	81 ***
DANKOWSKIE AGAT	4	4777	104	5	6382	94	7	7464	88 ***
SU ALLAWI	2	3282	71 *	3	7593	112 o	6	8979	106 o
KWS MAGNIFICO	2	3664	80 o	3	6610	98	6	7871	93 *
ELVI	9	3241	70 ***	9	5112	76 ***	8	6347	75 ***
SU PERFORMER				2	6742	100	4	9314	110 *
HELLTOP	6	3411	74 ***	4	6060	90	5	7667	90 **
KAPITÄN	4	3849	84 *	5	5778	85 *	2	6332	75 ***
CASPIAN	7	3999	87 *	4	6113	90	5	8390	99
BRASETTO	5	4723	103	3	5738	85 *	3	8522	100
KWS LIVADO				2	7786	115 o	4	9134	108 *

Syysruis, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu talvituhotason mukaan

Winter rye, Official variety trials 2008 – 2015, Estimated variety means, Yield classification according to winter damage level

Lajike		kpl	Alhainen taso sato kg/ha	Suhde- luku		kpl	Keskim. taso sato kg/ha	Suhde- luku		kpl	Korkea taso sato kg/ha	Suhde- luku	
Variety		trials	Low level yield kg/ha	rel.		trials	Medium level yield kg/ha	rel.		trials	High level yield kg/ha	rel.	
EVOLO	=C	10	6901	100		11	7551	100		12	5461	100	
RIIHI						2	4978	66	***	3	4836	89	
REETTA		10	6036	87	***	11	6338	84	***	12	4540	83	**
KIER		8	5679	82	***	3	6045	80	*	8	3674	67	***
DANKOWSKIE AGAT		2	7291	106		8	7036	93		4	4814	88	
SU ALLAWI		2	7700	112	o	7	7825	104					
KWS MAGNIFICO		2	7836	114	o	7	6727	89	*				
ELVI		8	5098	74	***	3	5390	71	***	8	3973	73	***
SU PERFORMER						4	8371	111					
HELLTOP		7	6079	88	**	2	7005	93		6	4179	77	**
KAPITÄN		2	5847	85	*	2	5685	75	**	6	4423	81	*
CASPIAN		4	6348	92		5	6965	92		6	4998	92	
BRASETTO		3	6994	101		2	7345	97		6	4935	90	
KWS LIVADO						4	8354	111					

Alhainen talvituho / Low winter damage

Keskitasoinen talvituho / Medium winter damage

Korkea talvituho / High winter damage

Syysruis, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
 Winter rye, Official variety trials 2008 – 2015, Estimated variety means

Lajike		Sato	Sato-	Suhde-		Talvi-		Kasvu-		Lako-		Pituus						
Variety	kpl	kg/ha	ero	luku		tuho %		aika pv		%		cm						
	trials	Yield	Yield	rel.		Winter		Growing		Lodging		Length						
		kg/ha	difference			damage		time d		%		cm						
						%												
REETTA	=C	42	5615	0	100	33	13	36	336	23	28	42	136					
RIIHI		13	4998	-616	89	**	6	10	336	7	40	*	13	154	***			
KIER		26	5175	-439	92	*	19	23	**	23	337	13	15	***	26	123	***	
DANKOWSKIE AGAT		16	6190	575	110	**	14	15		13	337	10	24		16	123	***	
SU ALLAWI		11	7058	1443	126	***	9	21	o	10	337	8	24		11	117	***	
KWS MAGNIFICO		11	6264	649	112	*	9	16		10	337	8	29		11	118	***	
ELVI		26	4962	-652	88	***	19	29	***	23	337	**	13	32		26	144	***
SU PERFORMER		6	7362	1747	131	***	5	15		6	337	o	5	22		6	114	***
HELLTOP		15	5644	29	101		15	23	**	14	337	**	7	16	*	15	121	***
KAPITÄN		11	5445	-169	97		10	22	*	9	338	*	6	17	*	11	118	***
CASPIAN		16	6162	547	110	*	15	22	*	13	338	**	9	20	o	16	123	***
EVOLO		42	6678	1063	119	***	33	15		36	338	***	23	31		42	117	***
BRASETTO		11	6328	713	113	**	11	23	*	9	338	**	6	18	o	11	119	***
KWS LIVADO		6	7579	1964	135	***	5	14		6	339	***	5	23		6	117	***

Syysruis, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
 Winter rye, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Tjp g	kpl	Hlp kg	kpl	Valk.- %		kpl	Sako- luku 1	kpl	Sako- luku 3
Variety		trials	1000 seed weight g	trials	HI weight kg	trials	Prot.- %		trials	Falling number 1	trials	Falling number 3
REETTA	=C	42	31.3	42	74.6	41	11.0		42	172	8	100
RIIHI		13	31.3	13	72.9 ***	13	11.3 o		13	169	4	109
KIER		26	35.4 ***	26	73.7 ***	26	10.7 *		26	170	7	112
DANKOWSKIE AGAT		16	34.1 ***	16	73.5 ***	15	10.3 ***		16	186 *		
SU ALLAWI		11	38.9 ***	11	75.0	10	9.6 ***		11	206 ***		
KWS MAGNIFICO		11	35.1 ***	11	75.4 *	10	9.1 ***		11	222 ***		
ELVI		26	35.1 ***	26	73.7 ***	26	11.1		26	145 ***	7	97
SU PERFORMER		6	35.7 ***	6	74.5	6	9.0 ***		6	236 ***		
HELLTOP		15	36.9 ***	15	75.5 **	15	10.7 o		15	173	4	118
KAPITÄN		11	34.8 ***	11	75.5 *	11	10.0 ***		11	183	4	131 *
CASPIAN		16	35.7 ***	16	73.3 ***	15	9.2 ***		16	194 ***	2	121
EVOLO		42	37.1 ***	42	74.7	41	9.6 ***		42	216 ***	8	158 ***
BRASETTO		11	38.2 ***	11	74.3	11	9.7 ***		11	193 **	2	132 *
KWS LIVADO		6	35.2 ***	6	74.6	6	10.0 ***		6	198 *		

Syysruis, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Winter rye, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike		Vyöhyke I	Suhde-		Vyöhyke II	Suhde-		Vyöhyke III	Suhde-
	kpl	kg/ha	luku		kg/ha	luku		kg/ha	luku
Variety	trials	Zone I	rel.	trials	Zone II	rel.	trials	Zone III	rel.
		kg/ha			kg/ha			kg/ha	
REETTA =C	15	4856	100	13	5809	100	14	6270	100
RIIHI	5	3832	79 **	4	5999	103	4	5221	83 **
KIER	11	4615	95	7	4914	85 *	8	5852	93
DANKOWSKIE AGAT	4	5705	117 *	6	6288	108	6	6897	110 *
SU ALLAWI	3	6733	139 ***	4	6887	119 *	4	7887	126 ***
KWS MAGNIFICO	3	4847	100	4	6082	105	4	7874	126 ***
ELVI	11	4144	85 **	7	5451	94	8	5363	86 **
SU PERFORMER	2	7024	145 ***	2	7318	126 *	2	7959	127 ***
HELLTOP	6	4752	98	4	6052	104	5	6320	101
KAPITÄN	3	4734	97	4	5557	96	4	6185	99
CASPIAN	5	5191	107	5	6885	119 *	6	6644	106
EVOLO	15	5633	116 ***	13	7257	125 ***	14	7333	117 ***
BRASETTO	4	5310	109	3	5958	103	4	7727	123 ***
KWS LIVADO	2	7128	147 ***	2	7929	137 **	2	7959	127 ***

Syysruis, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vuosittain

Winter rye, Official variety trials 2008 – 2015, Estimated variety means, Classification according to years

Lajike		Vuosi 2012			Vuosi 2013			Vuosi 2014			Vuosi 2015		
		kpl	kg/ha	Suhde- luku	kpl	kg/ha	Suhde- luku	kpl	kg/ha	Suhde- luku	kpl	kg/ha	Suhde- luku
Variety		trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.
REETTA	=C	5	5546	100				5	5848	100	6	6729	100
DANKOWSKIE AGAT		5	5720	103				5	6426	110	6	7400	110 o
SU ALLAWI								5	6551	112	6	8621	128 ***
KWS MAGNIFICO								5	6491	111	6	7182	107
SU PERFORMER											6	8457	126 ***
HELLTOP		2	6244	113									
KAPITÄN		5	5147	93									
CASPIAN		5	6341	114				5	5770	99			
EVOLO		5	6631	120 o				5	7131	122 *	6	7467	111 o
BRASETTO		5	5793	104									
KWS LIVADO											6	8695	129 ***

Syysruis, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu maajeittain

Winter rye, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike		Karkeat kiv. maat kg/ha	Sato- ero	Suhde- luku		Savimaat kg/ha	Sato- ero	Suhde- luku	
Variety	trials	Coarse mineral kg/ha	Yield difference	rel.		Clay kg/ha	Yield difference	rel.	
REETTA	=C 12	5838	0	100		5684	0	100	
RIIHI	2	6447	609	110		4738	-945	83	***
KIER	6	5126	-712	88	o	5397	-287	95	
DANKOWSKIE AGAT	6	6305	466	108		6318	634	111	*
SU ALLAWI	3	7487	1648	128	**	6910	1226	122	***
KWS MAGNIFICO	3	7469	1631	128	**	5903	219	104	
ELVI	6	5197	-640	89	o	4987	-696	88	***
SU PERFORMER	2	7563	1725	130	**	7743	2058	136	***
HELLTOP	5	5445	-393	93		5990	305	105	
KAPITÄN	4	5800	-37	99		5462	-221	96	
CASPIAN	6	6569	731	113	*	6380	695	112	**
EVOLO	12	7088	1249	121	***	6730	1045	118	***
BRASETTO	5	6451	613	110		6575	891	116	**
KWS LIVADO	2	7564	1725	130	**	7838	2154	138	***

Syysruis, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu satotason mukaan
 Winter rye, Official variety trials 2008 – 2015, Estimated variety means, Classification according to crop yields

Lajike		kpl	Alhainen satotaso kg/ha	Suhde- luku		kpl	Keskimääräinen satotaso kg/ha	Suhde- luku		kpl	Korkea satotaso kg/ha	Suhde- luku
Variety		trials	Low yield kg/ha	rel.		trials	Medium yield kg/ha	rel.		trials	High yield kg/ha	rel.
REETTA	=C	13	3916	100		14	5691	100		15	7087	100
RIIHI		3	3880	99		6	5050	89	o	4	5925	84 ***
KIER		9	3219	82	*	9	5234	92		8	6914	98
DANKOWSKIE AGAT		4	4777	122	*	5	6382	112	o	7	7464	105
SU ALLAWI		2	3282	84		3	7593	133	***	6	8979	127 ***
KWS MAGNIFICO		2	3664	94		3	6610	116	o	6	7871	111 **
ELVI		9	3241	83	*	9	5112	90	o	8	6347	90 **
SU PERFORMER						2	6742	118	o	4	9314	131 ***
HELLTOP		6	3411	87		4	6060	106		5	7667	108 *
KAPITÄN		4	3849	98		5	5778	102		2	6332	89 o
CASPIAN		7	3999	102		4	6113	107		5	8390	118 ***
EVOLO		13	4605	118	**	14	6764	119	***	15	8488	120 ***
BRASETTO		5	4723	121	*	3	5738	101		3	8522	120 ***
KWS LIVADO						2	7786	137	***	4	9134	129 ***

Syysruis, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu talvituhotason mukaan

Winter rye, Official variety trials 2008 – 2015, Estimated variety means, Yield classification according to winter damage level

Lajike		Alhainen taso sato kg/ha	Suhde- luku		Keskim. taso sato kg/ha	Suhde- luku		Korkea taso sato kg/ha	Suhde- luku
Variety	trials	Low level yield kg/ha	rel.	trials	Medium level yield kg/ha	rel.	trials	High level yield kg/ha	rel.
REETTA	=C 10	6036	100	11	6338	100	12	4540	100
RIIHI				2	4978	79 o	3	4836	107
KIER	8	5679	94	3	6045	95	8	3674	81 *
DANKOWSKIE AGAT	2	7291	121 *	8	7036	111 o	4	4814	106
SU ALLAWI	2	7700	128 **	7	7825	123 ***			
KWS MAGNIFICO	2	7836	130 ***	7	6727	106			
ELVI	8	5098	84 ***	3	5390	85	8	3973	88
SU PERFORMER				4	8371	132 ***			
HELLTOP	7	6079	101	2	7005	111	6	4179	92
KAPITÄN	2	5847	97	2	5685	90	6	4423	97
CASPIAN	4	6348	105	5	6965	110	6	4998	110
EVOLO	10	6901	114 ***	11	7551	119 ***	12	5461	120 **
BRASETTO	3	6994	116 *	2	7345	116	6	4935	109
KWS LIVADO				4	8354	132 ***			

Alhainen talvituho / Low winter damage = x – y %

Keskitasoinen talvituho / Medium winter damage = x – y %

Korkea talvituho / High winter damage = x – y %

3.2. Syysvehnä / Winter wheat / *Triticum aestivum* L.

Syysvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot

Winter wheat, Official variety trials 2008 – 2015, Estimated variety means

Lajike		Sato	Sato-	Suhde-		Talvi-		Kasvu-		Lako-		Pituus	
Variety		kg/ha	ero	luku		tuho %		aika pv		%		cm	
		Yield	Yield	rel.		Winter		Growing		Lodging		Length	
		kg/ha	difference			damage %		time d		%		cm	
		trials				trials		trials		trials		trials	
URHO	=C	32	5787	0	100	19	21	28	330	6	18	32	95
ARKADIA		9	5730	-56	99	5	32 *	7	329	2	2 o	9	78 ***
ROTAX		4	6912	1125	119 **			4	330	2	39 *	4	77 ***
LINUS		3	5962	175	103	2	53 ***	2	331			3	72 ***
KWS MALIBU		2	7786	1999	135 ***			2	331	2	12	2	81 ***
REHTI		11	6220	433	107 o	7	20	11	331 *	3	16	11	97 o
FRONTAL		9	6374	588	110 *	5	35 **	9	331 *	3	36 *	9	70 ***
BOR 05809		9	6298	511	109 o	5	19	7	331 **	2	11	9	87 ***
CEYLON		10	6593	806	114 **	5	15	7	332 ***	2	0 *	10	69 ***
SKAGEN		17	6464	677	112 **	12	20	16	332 ***	2	18	17	77 ***
ARKTIKA		15	6087	301	105	10	19	15	332 ***	4	24	15	98 *
JANNE		6	5952	165	103	4	26	5	332 **			6	68 ***
OLIVIN		11	6511	724	113 **	5	32 *	9	332 ***	4	7	11	77 ***
JULIUS		9	6107	320	106	5	49 ***	7	333 ***	2	14	9	76 ***
SW MAGNIFIK		6	6358	571	110 o			5	333 ***	2	9	6	82 ***
NIC11-11637-D		4	6398	611	111			4	334 ***	2	26	4	69 ***
LGWD11-10918-D		4	5853	66	101			4	334 ***	2	0 *	4	76 ***

Syysvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
 Winter wheat, Official variety trials 2008 – 2015, Estimated variety means

Lajike	kpl	Tjp g	kpl	Hlp kg	kpl	Valk.- %	kpl	Sako- luku 1
Variety	trials	1000 seed weight g	trials	HI weight kg	trials	Prot.- %	trials	Falling number 1
URHO =C	32	41.2	32	77.9	32	12.7	32	372
ARKADIA	9	46.1 ***	9	77.3	9	11.8 ***	9	295 ***
ROTAX	4	39.5	4	74.9 ***	4	10.8 ***	4	270 ***
LINUS	3	41.7	3	75.5 **	3	12.2 o	3	315 *
KWS MALIBU	2	41.8	2	77.9	2	11.0 ***	2	291 **
REHTI	11	42.1	11	78.7 o	11	11.8 ***	11	267 ***
FRONTAL	9	42.0	9	74.9 ***	9	11.8 ***	9	255 ***
BOR 05809	9	40.8	9	79.5 **	9	12.1 **	9	298 ***
CEYLON	10	41.4	10	79.5 **	10	11.5 ***	10	333 **
SKAGEN	17	46.9 ***	17	77.4	17	12.1 ***	17	358
ARKTIKA	15	39.8 *	15	79.7 ***	15	11.7 ***	15	299 ***
JANNE	6	40.3	6	79.1 o	6	12.2 *	6	289 ***
OLIVIN	11	38.9 **	11	79.2 **	11	12.1 ***	11	330 **
JULIUS	9	43.3 *	9	77.6	9	11.7 ***	9	318 ***
SW MAGNIFIK	6	39.9	6	80.2 ***	6	11.8 ***	6	284 ***
NIC11-11637-D	4	40.7	4	76.0 **	4	11.0 ***	4	230 ***
LGWD11-10918-D	4	40.8	4	77.7	4	12.2 *	4	332 o

Syysvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Winter wheat, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike		Vyöhyke I kg/ha	Suhde- luku		Vyöhyke II kg/ha	Suhde- luku	
Variety		Zone I kg/ha	rel.		Zone II kg/ha	rel.	
URHO	=C	21	5475	100	11	6483	100
ARKADIA		5	5254	96	4	6675	103
ROTAX		2	7181	131 **	2	7144	110
LINUS		3	5611	102			
REHTI		7	5958	109	4	6796	105
FRONTAL		7	6069	111 *	2	7048	109
BOR 05809		5	6115	112 o	4	6926	107
CEYLON		6	6162	113 *	4	7529	116 *
SKAGEN		13	6132	112 **	4	7191	111
ARKTIKA		10	5741	105	5	6804	105
JANNE		5	5628	103			
OLIVIN		7	6090	111 *	4	7477	115 *
JULIUS		5	5561	102	4	7152	110
SW MAGNIFIK		3	5677	104	3	7508	116 o
NIC11-11637-D		2	6499	119 o	2	6738	104
LGWD11-10918-D		2	5575	102	2	6568	101

Syysvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vuosittain

Winter wheat, Official variety trials 2008 – 2015, Estimated variety means, Classification according to years

Lajike		Vuosi 2012	Suhde-		Vuosi 2013	Suhde-		Vuosi 2014	Suhde-		Vuosi 2015	Suhde-
Variety		kg/ha	luku		kg/ha	luku		kg/ha	luku		kg/ha	luku
		Year 2012	rel.		Year 2013	rel.		Year 2014	rel.		Year 2015	rel.
		kg/ha	rel.		kg/ha	rel.		kg/ha	rel.		kg/ha	rel.
URHO	=C	3	5733	100			5	5687	100	4	7607	100
ARKADIA							5	5163	91	4	8178	108
ROTAX										4	8980	118 *
LINUS							2	5110	90			
KWS MALIBU										2	9830	129 **
FRONTAL		2	6632	116						4	8564	113 o
BOR 05809							5	6322	111	4	8057	106
CEYLON		3	6250	109			5	6758	119	2	8082	106
JANNE		3	5587	97								
OLIVIN							5	6392	112			
JULIUS							5	5445	96			
SW MAGNIFIK		3	6212	108								
NIC11-11637-D										4	8356	110
LGWD11-10918-D										4	8685	114 *

Syysvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu maajeittain

Winter wheat, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike		Savimaat kg/ha	Sato- ero	Suhde- luku		Liejusavi kg/ha	Sato- ero	Suhde- luku	
Variety		Clay kg/ha	Yield difference	rel.		Clay kg/ha	Yield difference	rel.	
URHO	=C	24	5357	0	100	6	6753	0	100
ARKADIA		6	5151	-205	96	2	7334	581	109
ROTAX		2	5794	437	108				
LINUS						2	7914	1161	117 *
REHTI		9	5803	446	108	2	6981	228	103
FRONTAL		6	5645	288	105	2	7907	1154	117 *
BOR 05809		6	5935	578	111 o	2	7104	351	105
CEYLON		8	6200	843	116 **	2	7588	835	112 o
SKAGEN		13	5906	549	110 *	3	7748	995	115 *
ARCTIKA		14	5627	270	105				
JANNE		5	5427	70	101				
OLIVIN		7	6095	739	114 *	3	7634	881	113 *
JULIUS		6	5298	-58	99	2	8321	1568	123 **
SW MAGNIFIK		5	6068	711	113 *				
NIC11-11637-D		2	6389	1033	119 o				
LGWD11-10918-D		2	5522	165	103				

Syysvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Leivontalaatu
 Winter wheat, Official variety trials 2008 – 2015, Estimated variety means, Baking quality

Lajike	Jauho- saanto		Sako- luku		Valk. NIR		Kostea sitko		Zeleny- luku		Vedensidonta (kost. 14%)							
	kpl	%	kpl	sek.	kpl	%	kpl	%	kpl		kpl	%						
Variety	Flour yield		Falling number		Protein content		Wet gluten		Zeleny number		Water absorpti- on (moisture 14%)							
	trials	%	trials	sec	trials	%	trials	%	trials		trials	%						
URHO =C	13	71.7	11	408	13	12.3	13	30	13	38	13	66.8						
JULIUS	2	74.1	o		2	11.2	*	2	28	2	49	**	2	60.5	***			
ARKTIKA	4	66.6	***	4	316	***	4	11.0	***	4	25	***	4	37	***			
SW MAGNIFIK	2	71.0		2	354	o	2	10.6	**	2	23	***	2	47	**	2	56.7	***
CEYLON	4	72.5		2	379		4	10.7	***	4	25	***	4	41		4	57.3	***
SKAGEN	7	71.8		7	443	*	7	11.4	**	7	25	***	7	56	***	7	57.7	***
JANNE	3	52.9	***	3	342	*	3	11.1	**	3	23	***	3	50	***	3	55.3	***
FRONTAL	2	71.6		2	321	**	2	10.6	***	2	24	***	2	53	***	2	55.8	***

Syysvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Leivontalaatu
 Winter wheat, Official variety trials 2008 – 2015, Estimated variety means, Baking quality

Lajike	Valori- metri luku	Ekstenso- gram. 90 min pituus, mm	Ekstenso- gram. 90 min korkeus, mm	Ekstenso- gram. 90 min pinta-ala, cm ²	Farino- grammi Pehme- misaste FU	Tuhka kuiva- aineena %
Variety	trials value	trials length mm	trials height mm	trials area cm ²	trials FU	trials % d.m.
URHO =C	13 47	13 182	13 246	11 70	4 77	13 0.67
JULIUS	2 51	2 193	2 298	2 88 o	2 66	2 0.52 **
ARCTIKA	4 41 *	4 171 o	4 444 ***	3 112 ***		4 0.42 ***
SW MAGNI- FIK	2 47	2 164 *	2 351 o	2 106 **	2 72	2 0.51 ***
CEYLON	4 48	4 169 *	4 369 *	4 87 *	4 75	4 0.53 ***
SKAGEN	7 52 **	7 208 ***	7 423 ***	7 135 ***		7 0.49 ***
JANNE	3 48	3 173	3 455 ***	3 159 ***	2 56	3 0.49 ***
FRONTAL	2 47	2 196 o	2 383 *	2 118 ***	2 74	2 0.5 ***

3.3. Ruisvehnä / Triticale/ *Triticosecale Wittmack*

Ruisvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot

Winter Triticale, Official variety trials 2008 – 2015, Estimated variety means

Lajike		Sato kg/ha	Sato- ero	Suhde- luku	Talvi- tuho %	Kasvu- aika pv	Lako- %	Pituus cm
Variety		Yield kg/ha	Yield difference	rel.	Winter damage %	Growing time d	Lodging %	Length cm
WOLTARIO	=C	15 5777	0	100	12 36	13 330	3 8	15 83
REMIKO		4 6690	913	116	4 16 o	3 328		4 82
GRENADO		4 5325	-451	92	4 17 o	3 329		4 75 **
EMPERO		6 6084	307	105	6 26	5 329		6 75 **
SEQUENZ		6 6997	1219	121 *	4 27	5 330		6 89 *
KINERIT		9 5856	79	101	9 37	8 330	3 24	9 89 **
TULUS		4 6308	531	109	4 28	3 330		4 89 *

Ruisvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
 Winter triticale, Official variety trials 2008 – 2015, Estimated variety means

Lajike	kpl	Tjp g	kpl	Hlp kg	kpl	Valk.- %	kpl	Sako- luku 1
Variety	trials	1000 seed weight g	trials	HI weight kg	trials	Prot.- %	trials	Falling number 1
WOLTARIO =C	14	45.6	14	73.8	15	12.2	14	118
REMIKO	4	42.9 o	4	74.5	4	11.4 *	3	115
GRENADO	4	37.1 ***	4	70.6 **	4	11.2 **	3	119
EMPERO	6	48.4 *	6	72.4 o	6	11.3 **	5	137 o
SEQUENZ	6	47.9 o	6	74.8	6	11.4 *	5	112
KINERIT	9	49.1 **	9	70.6 ***	9	12	8	124
TULUS	4	48.9 *	4	72.3	4	11.6 o	3	121

3.4. Kevätvehnä / Spring wheat / *Triticum aestivum* L.

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Spring wheat, Official variety trials 2008 – 2015, Estimated variety means

Lajike		Sato	Sato-	Suhde-		Kasvu-		Lako-		Pituus	
Variety		kg/ha	ero	luku		aikapv		%		cm	
	trials	kg/ha	Yield difference	rel.	trials	Growing time d	trials	Lodging %	trials	Length cm	
AMARETTO	=C	55	6150	0	100	54	107	26	16	54	88
ANNIINA		7	5226	-923	85 ***	7	98 ***	3	0 **	6	81 ***
BOR 09004		5	5933	-216	96	5	100 ***	3	0 *	5	79 ***
LUMIKKI		16	4281	-1868	70 ***	16	101 ***	8	2 **	16	76 ***
WAPPU		31	5144	-1005	84 ***	30	101 ***	12	7 *	31	80 ***
WANAMO		16	5012	-1137	81 ***	16	102 ***	7	11	15	81 ***
HERTTUA		15	5311	-838	86 ***	14	103 ***	5	6 o	15	85 **
BJARNE		16	5194	-955	84 ***	16	103 ***	8	5 *	15	72 ***
KRUUNU		58	5470	-679	89 ***	57	103 ***	27	8 **	57	87
QUARNA		12	5507	-642	90 ***	12	103 ***	5	6 o	11	78 ***
SG-S 910-12		2	5678	-471	92	2	103 *	2	0 *	2	76 ***
AALLOTAR		17	5476	-673	89 ***	17	104 ***	8	5 *	16	85 **
BOR 12664		6	5685	-464	92 *	6	104 ***	5	6 *	6	82 ***
KREIVI		13	5621	-529	91 ***	13	104 ***	3	8	13	81 ***
KRABAT		16	5407	-742	88 ***	16	104 ***	10	6 *	16	75 ***
WELLAMO		17	5543	-606	90 ***	17	105 ***	7	11	16	86 o
LENNOX		14	5544	-605	90 ***	14	105 **	6	12	14	77 ***
PROSA		15	4907	-1242	80 ***	14	105 **	7	8 o	15	79 ***
KWS 655-3-10		14	6708	558	109 ***	13	105 **	10	8 *	14	82 ***
DSV 0410.42111		8	5809	-340	94 o	7	105 *	5	16	8	86

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Spring wheat, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Sato kg/ha	Sato- ero	Suhde- luku		kpl	Kasvu- aikapv		kpl	Lako- %		kpl	Pituus cm
Variety		trials	Yield kg/ha	Yield difference	rel.		trials	Growing time d		trials	Lodging %		trials	Length cm
AMARETTO	=C	55	6150	0	100		54	107		26	16		54	88
ZEBRA		9	5583	-567	91	**	9	105	*	5	6	o	9	88
DEMONSTRANT		23	5782	-368	94	**	23	106	**	12	5	**	22	81
MARBLE		13	5404	-745	88	***	13	106	o	6	4	*	12	83
KW 518-1-10		13	6107	-42	99		12	106	o	9	21		13	82
LICAMERO		7	6015	-135	98		6	106		4	10		7	82
ANABEL		13	6420	269	104	o	12	106		9	21		13	74
DAFNE		13	6114	-35	99		12	106		6	16		13	82
MANDARYNA		6	6054	-95	98		6	106		5	5	*	6	91
BOR 12657		6	5281	-868	86	***	6	107		5	52	***	6	89
CALIXO		17	6066	-83	99		16	107		9	21		17	84
SERTORI		18	5568	-581	91	***	18	107		8	3	**	17	75
KWS 646-3-10		14	6245	95	102		13	107		9	14		14	88
STRU 093736S21		6	6342	191	103		6	107		5	11		6	84
PUNTARI		21	5876	-273	96	*	20	107		9	10		21	79
SEC 523-07-8		6	6126	-23	100		6	108		5	6	o	6	86
SEC 404-00-1		13	5891	-259	96	o	12	108		9	21		13	79
STRU 093754S14		6	6606	456	107	*	6	108		5	9		6	80
EPOS		11	5789	-360	94	*	11	108		5	4	*	10	84
DRACO		25	6069	-80	99		25	108	*	10	7	*	25	89

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Spring wheat, Official variety trials 2008 – 2015, Estimated variety means

Lajike	kpl	Sato kg/ha	Sato- ero	Suhde- luku	kpl	Kasvu- aikapv	kpl	Lako- %	kpl	Pituus cm
Variety	trials	Yield kg/ha	Yield difference	rel.	trials	Growing time d	trials	Lodging %	trials	Length cm
AMARETTO =C	55	6150	0	100	54	107	26	16	54	88
WICKI	17	6042	-107	98	17	108 o	10	9 o	17	77 ***
BOR 09243	9	6230	80	101	8	108 *	5	11	9	85 **
CORNETTO	14	6392	242	104	14	109 ***	9	22	14	81 ***
KWS W 272	3	6164	14	100	3	109 o	3	8	3	75 ***
CHASSERAL	2	5439	-710	88 *	2	109 o	2	6	2	84
KW 535-2-12	2	5086	-1063	83 **	2	110 *	2	70 ***	2	86
WPB ORYX	2	6023	-126	98	2	110 *	2	21	2	81 **
BOR 09268	11	6041	-108	98	10	110 ***	5	12	11	83 ***
KW 432-1-12	2	6431	281	105	2	110 *	2	12	2	75 ***

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Spring wheat, Official variety trials 2008 – 2015, Estimated variety means

Lajike	kpl	Tjp g		kpl	Hlp kg		Valk.- %		kpl	Valk.sato kg/ha		kpl	Sako- luku 1
Variety	trials	1000 seed weight g		trials	HI weight kg		Prot.- %		trials	Prot. yield kg/ha		trials	Falling number 1
AMARETTO =C	55	38.8		55	79.0		11.9		55	731		55	239
ANNIINA	7	34.1 ***		7	78.8		14.8 ***		7	778 o		7	264
BOR 09004	5	36.5 *		5	77.7 *		13.3 ***		5	794 *		5	267
LUMIKKI	16	35.7 ***		16	74.9 ***		14.4 ***		16	612 ***		16	219
WAPPU	31	37.5 **		31	77.2 ***		14.6 ***		31	746		31	270 **
WANAMO	16	34.2 ***		16	77.5 ***		14.2 ***		16	710		16	329 ***
HERTTUA	15	37.5 *		15	77.9 **		13.6 ***		15	724		15	259
BJARNE	16	32.3 ***		16	77.2 ***		13.6 ***		16	710		16	288 ***
KRUUNU	58	36.2 ***		58	76.4 ***		12.9 ***		58	708 *		58	298 ***
QUARNA	12	37.6 o		12	79.4		14.9 ***		12	814 ***		12	271 *
SG-S 910-12	2	38.2		2	79.2		13.7 ***		2	790		2	196
AALLOTAR	17	34.1 ***		17	77.5 ***		13.0 ***		17	708		17	233
BOR 12664	6	42.0 ***		6	80.4 *		13.7 ***		6	783 o		6	253
KREIVI	13	36.2 ***		13	78.4		12.8 ***		13	724		13	304 ***
KRABAT	16	33.9 ***		16	77.8 **		13.3 ***		16	721		16	297 ***
WELLAMO	17	34.8 ***		17	79.1		13.3 ***		17	742		17	250
LENNOX	14	40.8 **		14	78.8		13.4 ***		14	738		14	259
PROSA	15	43.3 ***		15	79.1		15.9 ***		15	765 o		15	255
KWS 655-3-10	14	43.2 ***		14	81.3 ***		12.4 **		14	830 ***		14	211 *
DSV 0410.42111	8	41.2 **		8	78.0 *		12.6 ***		8	725		8	282 **

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Spring wheat, Official variety trials 2008 – 2015, Estimated variety means

Lajike	kpl	Tjp g		kpl	Hlp kg		Valk.- %		kpl	Valk.sato kg/ha		kpl	Sako- luku 1
Variety	trials	1000 seed weight g		trials	HI weight kg		Prot.- %		trials	Prot. yield kg/ha		trials	Falling number 1
AMARETTO =C	55	38.8		55	79.0		11.9		55	731		55	239
ZEBRA	9	38.3		9	79.3		12.6 ***		9	705		9	286 **
DEMONSTRANT	23	36.7 ***		23	79.5		12.8 ***		23	740		23	279 ***
MARBLE	13	39.1		13	79.7		12.8 ***		13	691 *		13	258
KW 518-1-10	13	43.6 ***		13	80.8 ***		12.6 ***		13	764 o		13	208 *
LICAMERO	7	44.5 ***		7	78.9		12.8 ***		7	770		7	184 **
ANABEL	13	36.2 ***		13	78.8		12.0		13	765 o		13	193 ***
DAFNE	13	38.5		13	78.2 *		12.0		13	735		13	179 ***
MANDARYNA	6	37.4 o		6	79.6		11.8		6	702		6	207 o
BOR 12657	6	40.8 *		6	77.3 **		13.4 ***		6	712		6	229
CALIXO	17	41.6 ***		17	78.4 o		12.3 **		17	748		17	205 **
SERTORI	18	40.5 **		18	80.7 ***		13.6 ***		18	753		18	276 **
KWS 646-3-10	14	44.4 ***		14	80.1 *		13.5 ***		14	837 ***		14	175 ***
STRU 093736S21	6	42.6 ***		6	78.5		12.2		6	761		6	234
PUNTARI	21	35.5 ***		21	80.1 **		11.8		21	691 *		21	199 ***
SEC 523-07-8	6	38.3		6	78.1 o		13.4 ***		6	822 ***		6	198 *
SEC 404-00-1	13	42.5 ***		13	78.2 *		13.0 ***		13	768 o		13	293 ***
STRU 093754S14	6	43.4 ***		6	79.5		12.8 ***		6	844 ***		6	267
EPOS	11	37.0 **		11	76.5 ***		12.9 ***		11	744		11	294 ***
DRACO	25	42.8 ***		25	78.0 **		11.9		25	729		25	251

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Spring wheat, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Tjp g		kpl	Hlp kg		kpl	Valk.- %		kpl	Valk.sato kg/ha		kpl	Sako- luku 1
Variety		trials	1000 seed weight g		trials	HI weight kg		trials	Prot.- %		trials	Prot. yield kg/ha		trials	Falling number 1
AMARETTO	=C	55	38.8		55	79.0		55	11.9		55	731		55	239
WICKI		17	41.9	***	17	79.1		17	12.0		17	723		17	279 ***
BOR 09243		9	44.9	***	9	79.4		9	12.3	o	9	769	o	9	248
CORNETTO		14	44.0	***	14	77.2	***	14	12.0		14	765	o	14	221
KWS W 272		3	35.3	**	3	76.3	***	3	13.1	***	3	803	o	3	308 **
CHASSERAL		2	37.4		2	79.5		2	14.5	***	2	803		2	218
KW 535-2-12		2	47.0	***	2	78.5		2	14.2	***	2	753		2	151 **
WPB ORYX		2	40.7		2	74.5	***	2	11.8		2	697		2	206
BOR 09268		11	43.2	***	11	78.3	o	11	12.5	**	11	751		11	191 ***
KW 432-1-12		2	45.0	***	2	79.3		2	13.7	***	2	888	***	2	185 o

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike		Vyöhyke I kg/ha	Suhde- luku		Vyöhyke II kg/ha	Suhde- luku		Vyöhyke III kg/ha	Suhde- luku	
Variety	trials	Zone I kg/ha	rel.	trials	Zone II kg/ha	rel.	trials	Zone III kg/ha	rel.	
AMARETTO	=C	27	6065	100	17	6488	100	11	6527	100
ANNIINA					2	5663	87 *	3	5598	86 **
BOR 09004					2	6388	98	2	6249	96
LUMIKKI		8	4551	75 ***	4	3946	61 ***	3	4305	66 ***
WAPPU		12	5029	83 ***	8	5476	84 ***	8	5530	85 ***
WANAMO		8	4856	80 ***	6	5330	82 ***	2	5541	85 *
HERTTUA		5	5154	85 ***	6	5615	87 ***	3	5713	88 *
BJARNE		5	4454	73 ***	4	5792	89 **	5	5735	88 **
KRUUNU		27	5362	88 ***	17	5995	92 ***	11	5669	87 ***
QUARNA		5	5516	91 *	5	5905	91 *	2	5402	83 **
AALLOTAR		9	5291	87 ***	5	5877	91 **	3	5949	91 o
BOR 12664		2	5711	94	3	6081	94			
KREIVI		2	5615	93	5	5974	92 *	4	5804	89 *
KRABAT		8	5242	86 ***	6	5860	90 **	2	5690	87 *
WELLAMO		8	5598	92 *	6	5646	87 ***	3	5914	91 o
LENNOX		8	5596	92 *	4	5937	92 *	2	5402	83 **
PROSA		7	5318	88 ***	5	5551	86 ***	3	3698	57 ***
KWS 655-3-10		7	6998	115 ***	6	6831	105			
DSV 0410.42111		4	5888	97	3	6432	99			

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike		Vyöhyke I	Suhde-		Vyöhyke II	Suhde-		Vyöhyke III	Suhde-	
	kpl	kg/ha	luku		kg/ha	luku		kg/ha	luku	
Variety	trials	Zone I	rel.		Zone II	rel.		Zone III	rel.	
		kg/ha			kg/ha			kg/ha		
AMARETTO =C	27	6065	100		17	6488	100	11	6527	100
ZEBRA	8	5436	90 **							
DEMONSTRANT	12	5636	93 *		7	6203	96	4	6173	95
MARBLE	6	5271	87 ***		5	5809	90 **	2	5606	86 *
KW 518-1-10	5	5962	98		6	6720	104	2	6066	93
LICAMERO	3	5803	96		3	6495	100			
ANABEL	5	6642	110 *		6	6911	107 *	2	5815	89 o
DAFNE	6	5982	99		5	6591	102	2	6545	100
MANDARYNA	2	6273	103		3	6484	100			
BOR 12657	2	4894	81 **		3	6323	97			
CALIXO	8	5983	99		6	6318	97	3	6781	104
SERTORI	10	5550	91 **		5	5715	88 ***	3	5926	91 o
KWS 646-3-10	7	6306	104		5	6818	105	2	5862	90 o
STRU 093736S21	2	6612	109		3	6763	104			
PUNTARI	8	5722	94 o		8	6181	95 o	5	6476	99
SEC 523-07-8	2	6791	112 *		3	6256	96			
SEC 404-00-1	5	6131	101		6	6152	95	2	5880	90 o
STRU 093754S14	2	6858	113 *		3	6880	106			
EPOS	8	5548	91 *		2	6538	101			
DRACO	14	5909	97		7	6536	101	4	6430	99

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike		Vyöhyke I kg/ha	Suhde- luku		Vyöhyke II kg/ha	Suhde- luku		Vyöhyke III kg/ha	Suhde- luku
Variety	trials	Zone I kg/ha	rel.	trials	Zone II kg/ha	rel.	trials	Zone III kg/ha	rel.
AMARETTO	=C 27	6065	100	17	6488	100	11	6527	100
WICKI	8	5751	95	7	6798	105	2	5956	91
BOR 09243	6	6213	102	2	6594	102			
CORNETTO	7	6233	103	5	7066	109 **	2	6337	97
KWS W 272	2	6291	104						
CHASSERAL	2	5498	91						
KW 535-2-12	2	5145	85 *						
WPB ORYX	2	6082	100						
BOR 09268	7	6270	103	3	6333	98			

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vuosittain

Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Classification according to years

Lajike		Vuosi 2013 kg/ha	Suhde- luku		Vuosi 2014 kg/ha	Suhde- luku		Vuosi 2015 kg/ha	Suhde- luku
Variety	kpl trials	Year 2013 kg/ha	rel.	kpl trials	Year 2014 kg/ha	rel.	kpl trials	Year 2015 kg/ha	rel.
AMARETTO =C	7	5971	100	8	6288	100	7	6977	100
ANNIINA	2	5112	86 *						
BOR 09004							5	6710	96
LUMIKKI	3	4560	76 ***						
WAPPU	2	5456	91	9	5359	85 ***	4	5859	84 ***
HERTTUA	6	5273	88 **	2	5757	92			
BJARNE							5	6493	93
KRUUNU	8	5376	90 **	9	5673	90 *	8	6029	86 ***
SG-S 910-12							2	6444	92
BOR 12664							6	6413	92 *
KREIVI	6	5434	91 *	6	6077	97			
KRABAT							2	6509	93
LENNOX	6	5573	93 o	2	5749	91			
PROSA	6	5256	88 **	7	5002	80 ***			
KWS 655-3-10	2	7210	121 ***	6	7272	116 ***	6	6980	100
DSV 0410.42111				7	6046	96			
DEMONSTRANT							5	6647	95
KW 518-1-10				7	6153	98	6	7072	101
LICAMERO				4	6320	101	3	6653	95
ANABEL				7	6607	105	6	7218	103

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vuosittain

Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Classification according to years

Lajike		Vuosi 2013 kg/ha	Suhde- luku	kpl	Vuosi 2014 kg/ha	Suhde- luku	kpl	Vuosi 2015 kg/ha	Suhde- luku		
Variety		Year 2013 kg/ha	rel.	trials	Year 2014 kg/ha	rel.	trials	Year 2015 kg/ha	rel.		
AMARETTO	=C	7	5971	100	8	6288	100	7	6977	100	
DAFNE		6	6035	101	7	6432	102				
MANDARYNA							6	6790	97		
BOR 12657							6	6022	86	***	
CALIXO		6	5885	99	6	6218	99	5	7135	102	
KWS 646-3-10		2	6233	104	6	6420	102	6	7086	102	
STRU 093736S21							6	7081	101		
PUNTARI					8	5823	93	4	6817	98	
SEC 523-07-8							6	6860	98		
SEC 404-00-1					7	6341	101	6	6364	91	*
STRU 093754S14							6	7345	105		
DRACO		6	6050	101							
WICKI		4	6253	105	2	6783	108	2	6171	88	*
BOR 09243		2	6156	103	6	6469	103				
CORNETTO					5	7004	111	2	6532	94	*
KWS W 272								3	6892	99	
CHASSERAL								2	6173	88	o
KW 535-2-12								2	5820	83	**
WPB ORYX								2	6757	97	
BOR 09268		2	6457	108	6	5973	95				
KW 432-1-12								2	7160	103	

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu maajeittain

Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike	kpl	Karkeat kiv.	Sato-	Suhde-		kpl	Savimaat	Sato-	Suhde-		kpl	Liejusavi	Sato-	Suhde-
		maat	ero	luku			kg/ha	ero	luku			kg/ha	ero	luku
Variety	trials	Coarse mineral	Yield	rel.		trials	Clay	Yield	rel.		trials	Gyttja clay	Yield	rel.
		kg/ha	difference				kg/ha	difference				kg/ha	difference	
AMARETTO	=C	5	6600	0	100	44	6177	0	100		5	5508	0	100
ANNIINA		3	5632	-966	85 **	4	5254	-923	85 ***					
BOR 09004		2	6128	-471	93	3	6108	-68	99					
LUMIKKI		3	5003	-1596	76 ***	11	4060	-2116	66 ***		2	4723	-784	86
WAPPU		6	5531	-1067	84 ***	23	5120	-1057	83 ***					
WANAMO						13	4896	-1280	79 ***		3	4950	-557	90
HERTTUA		3	6045	-554	92 o	11	5321	-855	86 ***					
BJARNE		3	6259	-340	95	12	5065	-1111	82 ***					
KRUUNU		8	5761	-838	87 **	44	5485	-692	89 ***		5	5050	-457	92
QUARNA						9	5478	-699	89 ***		3	5134	-373	93
AALLOTAR						15	5490	-687	89 ***		2	4753	-753	86
BOR 12664						6	5689	-488	92 *					
KREIVI		5	6170	-428	93	7	5547	-629	90 **					
KRABAT						13	5438	-738	88 ***		2	4938	-568	90
WELLAMO						14	5446	-731	88 ***		3	5451	-55	99
LENNOX						12	5521	-655	89 ***					
PROSA						12	5058	-1118	82 ***					
KWS 655-3-10						12	6622	444	107 **					
DSV 0410.42111						6	5912	-265	96					

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu maajeittain

Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike		Karkeat kiv. maat kpl	kg/ha	Sato- ero	Suhde- luku	Savimaat kpl	kg/ha	Sato- ero	Suhde- luku	Liejusavi kpl	kg/ha	Sato- ero	Suhde- luku
Variety		Coarse mineral trials	kg/ha	Yield difference	rel.	Clay trials	kg/ha	Yield difference	rel.	Gyttja clay trials	kg/ha	Yield difference	rel.
AMARETTO	=C	5	6600	0	100	44	6177	0	100	5	5508	0	100
ZEBRA						6	5559	-617	90 **	3	5267	-239	96
DEMONSTRANT						20	5752	-424	93 **	3	5470	-37	99
MARBLE						10	5368	-809	87 ***	3	5039	-467	91
KW 518-1-10						11	6191	14	100				
LICAMERO						6	5994	-183	97				
ANABEL						11	6473	296	105 o				
DAFNE						10	6004	-173	97				
MANDARYNA						6	6066	-111	98				
BOR 12657						6	5298	-879	86 ***				
CALIXO						15	6004	-173	97				
SERTORI						16	5527	-650	89 ***	2	5255	-252	95
KWS 646-3-10						12	6359	181	103				
STRU 093736S21						6	6357	179	103				
PUNTARI		3	6379	-219	97	16	5826	-351	94 *				
SEC 523-07-8						6	6136	-41	99				
SEC 404-00-1						11	5847	-330	95 *				
STRU 093754S14						6	6620	443	107 *				
EPOS						9	5846	-330	95 o	2	5045	-462	92
DRACO						20	6052	-124	98	4	5741	234	104

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu maajeittain

Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike		Karkeat kiv. maat kpl	kg/ha	Sato- ero	Suhde- luku	Savimaat kpl	kg/ha	Sato- ero	Suhde- luku	Liejusavi kpl	kg/ha	Sato- ero	Suhde- luku
Variety		trials	Coarse mineral kg/ha	Yield difference	rel.	trials	Clay kg/ha	Yield difference	rel.	trials	Gyttja clay kg/ha	Yield difference	rel.
AMARETTO	=C	5	6600	0	100	44	6177	0	100	5	5508	0	100
WICKI						15	6055	-122	98				
BOR 09243						7	6166	-10	100				
CORNETTO		2	6959	359	105	12	6337	159	103				
KWS W 272						3	6174	-2	100				
CHASSERAL						2	5447	-729	88	*			
KW 535-2-12						2	5094	-1082	82	**			
WPB ORYX						2	6031	-145	98				
BOR 09268						9	6137	-40	99				
KW 432-1-12						2	6444	266	104				

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu satotason mukaan

Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Classification according to crop yield levels

Lajike		kpl	Alhainen sato- taso kg/ha	Suhde- luku		kpl	Keskimääräinen satotaso kg/ha	Suhde- luku		kpl	Korkea sato- taso kg/ha	Suhde- luku
Variety		trials	Low yield kg/ha	rel.		trials	Medium yield kg/ha	rel.		trials	High yield kg/ha	rel.
AMARETTO	=C	17	4777	100		18	6237	100		20	7228	100
ANNIINA						4	5430	87 **		2	5876	81 ***
BOR 09004						2	6195	99		2	6792	94
LUMIKKI		4	3072	64 ***		8	4278	69 ***		4	5125	71 ***
WAPPU		11	3877	81 ***		9	5256	84 ***		11	6090	84 ***
WANAMO		6	4076	85 ***		7	5164	83 ***		3	5194	72 ***
HERTTUA		7	4097	86 ***		3	5593	90 o		5	6067	84 ***
BJARNE		3	4167	87 *		7	5456	87 **		6	5817	80 ***
KRUUNU		18	4383	92 **		19	5472	88 ***		21	6381	88 ***
QUARNA		4	4333	91 *		5	5322	85 **		3	6766	94
AALLOTAR		6	4016	84 ***		7	5641	90 *		4	6686	93 o
BOR 12664										4	6891	95
KREIVI		6	4267	89 **						6	6578	91 **
KRABAT		2	4196	88 *		8	5382	86 ***		6	6387	88 ***
WELLAMO		6	4325	91 *		7	5730	92 *		4	6267	87 ***
LENNOX		5	4413	92 o		2	5250	84 *		7	6607	91 **
PROSA		4	4222	88 *		3	3820	61 ***		8	6054	84 ***
KWS 655-3-10		3	5170	108		2	6649	107		9	7861	109 **
DSV 0410.42111						2	5288	85 *		5	6975	97

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu satotason mukaan

Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Classification according to crop yield levels

Lajike		kpl	Alhainen sato- taso kg/ha	Suhde- luku		kpl	Keskimääräinen satotaso kg/ha	Suhde- luku		kpl	Korkea sato- taso kg/ha	Suhde- luku
Variety		trials	Low yield kg/ha	rel.		trials	Medium yield kg/ha	rel.		trials	High yield kg/ha	rel.
AMARETTO	=C	17	4777	100		18	6237	100		20	7228	100
ZEBRA		4	4485	94		3	5704	91		2	6271	87 *
DEMONSTRANT		8	4473	94 o		9	5869	94 o		6	6837	95 o
MARBLE		4	4081	85 **		6	5449	87 **		3	6493	90 *
KW 518-1-10		2	5138	108		3	5877	94		8	7153	99
LICAMERO						2	6223	100		4	7035	97
ANABEL		2	5061	106		3	5918	95		8	7664	106 *
DAFNE		4	4661	98		2	6351	102		7	7199	100
MANDARYNA										4	7262	100
BOR 12657										4	6315	87 **
CALIXO		5	4566	96		3	6275	101		9	7179	99
SERTORI		7	4435	93 o		7	5553	89 **		4	6583	91 *
KWS 646-3-10		3	5252	110 o		3	5980	96		8	7275	101
STRU 093736S21										4	7551	104
PUNTARI		5	4739	99		4	6079	97		12	6772	94 *
SEC 523-07-8										4	7404	102
SEC 404-00-1		2	4176	87 *		3	5970	96		8	7006	97
STRU 093754S14										4	7778	108 *
EPOS		5	4427	93 o		4	6025	97		2	6930	96
DRACO		10	4855	102		8	5958	96		7	7168	99

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu satotason mukaan

Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Classification according to crop yield levels

Lajike		Alhainen satotaso kg/ha	Suhde- luku		Keskimääräinen satotaso kg/ha	Suhde- luku		Korkea satotaso kg/ha	Suhde- luku
Variety	trials	Low yield kg/ha	rel.	trials	Medium yield kg/ha	rel.	trials	High yield kg/ha	rel.
AMARETTO	=C 17	4777	100	18	6237	100	20	7228	100
WICKI	6	4815	101	5	5933	95	6	7144	99
BOR 09243	2	4896	102	2	6269	101	5	7260	100
CORNETTO	4	5137	108 o	3	6353	102	7	7469	103
KWS W 272							3	7261	100
CHASSERAL							2	6546	91 o
KW 535-2-12							2	6193	86 **
WPB ORYX							2	7130	99
BOR 09268	3	5127	107	2	5419	87 *	6	7116	98
KW 432-1-12							2	7529	104

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Leivontalaatu
Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Baking quality

Lajike	Jauho- saanto		Sako- luku		Valk. NIR		Kostea sitko		Zeleny- luku		Vedensidonta (kost. 14%)	
	kpl	%	kpl	sek.	kpl	%	kpl	%	kpl		kpl	%
Variety	trials	Flour yield %	trials	Falling number sec	trials	Protein content %	trials	Wet gluten %	trials	Zeleny number	trials	Water absorption (moisture 14%) %
AMARETTO =C	16	74.2	13	308	16	10.9	16	25	16	48	16	58.1
AALLOTAR	5	70.2 ***	5	332	5	12.0 ***	5	27 **	5	53 o	5	58.1
WANAMO	2	69.3 ***	2	418 ***	2	12.6 ***	2	28 *	2	68 ***	2	57.2
WAPPU	5	69.4 ***	3	374 *	5	13.7 ***	5	34 ***	5	52	5	61.9 ***
HERTTUA	6	69.6 ***	3	342	6	13.4 ***	6	31 ***	6	59 ***	6	60.8 ***
KREIVI	5	70.6 ***			5	12.5 ***	5	26	5	62 ***	5	55.7 ***
BOR 09243	2	68.1 ***			2	11.4	2	26	2	61 ***	2	59.9 *
BOR 09268	2	68.1 ***			2	11.1	2	26	2	48	2	60.7 ***
LUMIKKI	5	71.6 ***	5	318	5	13.6 ***	5	31 ***	5	62 ***	5	61.0 ***
KRUUNU	16	71.8 ***	13	366 ***	16	12.1 ***	16	28 ***	16	58 ***	16	58.3
DEMONSTRAN'	2	68.3 ***	2	344	2	12.0 *	2	25	2	58 **	2	56.5 *
SERTORI	5	70.4 ***	5	332	5	12.5 ***	5	27 **	5	67 ***	5	60.5 ***
KWS SCIROCCC	6	70.2 ***	6	359 **	6	12.9 ***	6	30 ***	6	66 ***	6	61.9 ***
SPECIFIK	3	72.9 o	3	304	3	12.6 ***	3	28 **	3	58 **	3	58.4

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Leivontalaatu
Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Baking quality

Lajike	Jauho- saanto		Sako- luku		Valk. NIR		Kostea sitko		Zeleny- luku		Vedensidonta (kost. 14%)	
	kpl	%	kpl	sek.	kpl	%	kpl	%	kpl		kpl	%
Variety	trials	Flour yield %	trials	Falling number sec	trials	Protein content %	trials	Wet gluten %	trials	Zeleny number	trials	Water absorption (moisture 14%) %
AMARETTO =C	16	74.2	13	308	16	10.9	16	25	16	48	16	58.1
DRACO	8	72.6 ***	8	330	8	11.0	8	26 *	8	49	8	58.7
KRABAT	7	68.2 ***	6	404 ***	7	12.7 ***	7	30 ***	7	63 ***	7	60.0 ***
WICKI	4	69.7 ***	4	336	4	11.0	4	26	4	45	4	61.0 ***
LENNOX	6	70.0 ***	3	405 ***	6	12.9 ***	6	30 ***	6	66 ***	6	62.9 ***
PROSA	4	70.2 ***			4	15.8 ***	4	38 ***	4	67 ***	4	63.6 ***
CALIXO	2	72.0 *			2	12.1 **	2	28 *	2	57 *	2	59.1
DAFNE	3	72.0 **			3	11.0	3	25	3	54 o	3	55.4 ***
KWS 646-3-10	2	69.4 ***			2	12.9 ***	2	30 ***	2	61 ***	2	62.8 ***
SEC 404-00-1	2	68.6 ***			2	12.2 **	2	28 **	2	51	2	60.9 ***

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Leivontalaatu
Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Baking quality

Lajike	Valorimetri		Ekstenso-gram. 90 min		Ekstenso-gram. 90 min		Ekstenso-gram. 90 min		Farinogrammi		Tuhka kuiva-	
	luku		pituus, mm		korkeus, mm		pinta-ala, cm ²		Pehmene-		aineena	
Variety	trials	value	trials	length mm	trials	height mm	trials	area cm ²	trials	misaste FU	trials	%
AMARETTO =C	16	46	16	194	16	377	14	108	6	86	16	0.54
AALLOTAR	5	55 ***	5	220 ***	5	319 o	4	105			5	0.60 **
WANAMO	2	56 *	2	217 *	2	564 ***	2	171 ***			2	0.54
WAPPU	5	52 *	5	258 ***	5	150 ***	5	75 **	2	88	5	0.58 *
HERTTUA	6	59 ***	6	196	6	440 *	6	132 *	6	43 ***	6	0.54
KREIVI	5	56 ***	5	203	5	627 ***	5	171 ***	5	41 ***	5	0.52
BOR 09243	2	50	2	221 *	2	402	2	136 o	2	80	2	0.52
BOR 09268	2	41	2	175 o	2	341	2	76 *	2	107	2	0.60 *
LUMIKKI	5	53 **	5	197	5	439 o	5	129 *	3	84	5	0.55
KRUUNU	16	51 **	16	204 *	16	438 **	15	131 **	6	60 **	16	0.54
DEMONSTRANT	2	53 o	2	190	2	432	1	106			2	0.51
SERTORI	5	56 ***	5	231 ***	5	443 o	3	148 **			5	0.50 o
KWS SCIROCCO	6	54 **	6	236 ***	6	308 *	6	114			6	0.51
SPECIFIK	3	48	3	191	3	475 *	3	125			3	0.51

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Leivontalaatu
Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Baking quality

Lajike	Valorimetri luku		Ekstenso-gram. 90 min pituus, mm		Ekstenso-gram. 90 min korkeus, mm		Ekstenso-gram. 90 min pinta-ala, cm ²		Farinogrammi Pehmeenemisaste FU		Tuhka kuiva-aineena %	
	kpl		kpl		kpl		kpl		kpl		kpl	
Variety	trials	value	trials	length mm	trials	height mm	trials	area cm ²	trials	Degree of softening FU	trials	Ash % d.m.
AMARETTO =C	16	46	16	194	16	377	14	108	6	86	16	0.54
DRACO	8	49 o	8	198	8	411	8	122	3	82	8	0.46 ***
KRABAT	7	55 ***	7	224 ***	7	407	7	129 *	4	52 **	7	0.57 o
WICKI	4	50	4	182	4	359	4	97	3	73	4	0.52
LENNOX	6	58 ***	6	235 ***	6	430 o	6	141 **	6	54 **	6	0.53
PROSA	4	60 ***	4	245 ***	4	459 *	4	159 ***	4	42 ***	4	0.55
CALIXO	2	42	2	248 ***	2	341	2	134	2	81	2	0.50
DAFNE	3	45	3	196	3	432	3	122	3	69	3	0.52
KWS 646-3-10	2	54 *	2	248 ***	2	379	2	146 *	2	64	2	0.55
SEC 404-00-1	2	47	2	218 *	2	369	2	129	2	67	2	0.57

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Spring wheat, Official variety trials 2008 – 2015, Estimated variety means

Lajike		Sato	Sato-ero	Suhde-		Kasvu-		Lako-		Pituus	
Variety	trials	kg/ha	kg/ha	rel.	trials	Growing time d	trials	Lodging %	trials	Length cm	
KRUUNU	=C	58	5470	0	100	57	103	27	8	57	87
ANNIINA		7	5226	-243	96	7	98 ***	3	0 o	6	81 ***
BOR 09004		5	5933	463	108 o	5	100 ***	3	0	5	79 ***
LUMIKKI		16	4281	-1188	78 ***	16	101 ***	8	2	16	76 ***
WAPPU		31	5144	-325	94 **	30	101 ***	12	7	31	80 ***
WANAMO		16	5012	-457	92 **	16	102 *	7	11	15	81 ***
HERTTUA		15	5311	-158	97	14	103	5	6	15	85 *
BJARNE		16	5194	-275	95 o	16	103	8	5	15	72 ***
QUARNA		12	5507	37	101	12	103	5	6	11	78 ***
SG-S 910-12		2	5678	208	104	2	103	2	0	2	76 ***
AALLOTAR		17	5476	6	100	17	104	8	5	16	85 o
BOR 12664		6	5685	215	104	6	104	5	6	6	82 ***
KREIVI		13	5621	150	103	13	104 o	3	8	13	81 ***
KRABAT		16	5407	-62	99	16	104 o	10	6	16	75 ***
WELLAMO		17	5543	73	101	17	105 **	7	11	16	86
LENNOX		14	5544	74	101	14	105 **	6	12	14	77 ***
PROSA		15	4907	-562	90 ***	14	105 **	7	8	15	79 ***
KWS 655-3-10		14	6708	1238	123 ***	13	105 ***	10	8	14	82 ***
DSV 0410.42111		8	5809	339	106 o	7	105 **	5	16	8	86
ZEBRA		9	5583	112	102	9	105 **	5	6	9	88

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Spring wheat, Official variety trials 2008 – 2015, Estimated variety means

Lajike	kpl	Sato kg/ha	Sato- ero	Suhde- luku		kpl	Kasvu- aikapv		kpl	Lako- %		kpl	Pituus cm
Variety	trials	Yield kg/ha	Yield difference	rel.		trials	Growing time d		trials	Lodging %		trials	Length cm
KRUUNU =C	58	5470	0	100		57	103		26	16		54	88
DEMONSTRANT	23	5782	311	106	*	23	106	***	5	6	o	9	88
MARBLE	13	5404	-65	99		13	106	***	12	5	**	22	81 ***
KW 518-1-10	13	6107	637	112	***	12	106	***	6	4	*	12	83 ***
LICAMERO	7	6015	544	110	**	6	106	***	9	21		13	82 ***
ANABEL	13	6420	949	117	***	12	106	***	4	10		7	82 ***
DAFNE	13	6114	644	112	***	12	106	***	9	21		13	74 ***
MANDARYNA	6	6054	584	111	**	6	106	***	6	16		13	82 ***
BOR 12657	6	5281	-188	97		6	107	***	5	5	*	6	91 *
CALIXO	17	6066	596	111	***	16	107	***	5	52	***	6	89
SERTORI	18	5568	98	102		18	107	***	9	21		17	84 ***
AMARETTO	55	6150	680	112	***	54	107	***	8	3	**	17	75 ***
KWS 646-3-10	14	6245	775	114	***	13	107	***	9	14		14	88
STRU 093736S21	6	6342	871	116	***	6	107	***	5	11		6	84 **
PUNTARI	21	5876	406	107	**	20	107	***	9	10		21	79 ***
SEC 523-07-8	6	6126	656	112	**	6	108	***	5	6	o	6	86
SEC 404-00-1	13	5891	421	108	**	12	108	***	9	21		13	79 ***
STRU 093754S14	6	6606	1136	121	***	6	108	***	5	9		6	80 ***
EPOS	11	5789	319	106	o	11	108	***	5	4	*	10	84 ***
DRACO	25	6069	599	111	***	25	108	***	10	7	*	25	89 *

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Spring wheat, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Sato kg/ha	Sato- ero	Suhde- luku		kpl	Kasvu- aikapv		kpl	Lako- %		kpl	Pituus cm	
Variety		trials	Yield kg/ha	Yield difference	rel.		trials	Growing time d		trials	Lodging %		trials	Length cm	
KRUUNU	=C	58	5470	0	100		57	103		27	8		57	87	
WICKI		17	6042	572	110	***	17	108	***	10	9		17	77	***
BOR 09243		9	6230	760	114	***	8	108	***	5	11		9	85	*
CORNETTO		14	6392	922	117	***	14	109	***	9	22	***	14	81	***
KWS W 272		3	6164	694	113	*	3	109	***	3	8		3	75	***
CHASSERAL		2	5439	-30	99		2	109	***	2	6		2	84	
KW 535-2-12		2	5086	-383	93		2	110	***	2	70	***	2	86	
WPB ORYX		2	6023	553	110		2	110	***	2	21	o	2	81	**
BOR 09268		11	6041	571	110	***	10	110	***	5	12		11	83	***
KW 432-1-12		2	6431	961	118	**	2	110	***	2	12		2	75	***

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Spring wheat, Official variety trials 2008 – 2015, Estimated variety means

Lajike	kpl	Tjp g	kpl	Hlp kg	kpl	Valk.- %	kpl	Valk.sato kg/ha	kpl	Sako- luku 1
Variety	trials	1000 seed weight g	trials	HI weight kg	trials	Prot.- %	trials	Prot. yield kg/ha	trials	Falling number 1
KRUUNU =C	58	36.2	58	76.4	58	12.9	58	708	58	298
ANNIINA	7	34.1 *	7	78.8 ***	7	14.8 ***	7	778 **	7	264 o
BOR 09004	5	36.5	5	77.7 *	5	13.3	5	794 **	5	267
LUMIKKI	16	35.7	16	74.9 ***	16	14.4 ***	16	612 ***	16	219 ***
WAPPU	31	37.5 **	31	77.2 **	31	14.6 ***	31	746 **	31	270 **
WANAMO	16	34.2 ***	16	77.5 **	16	14.2 ***	16	710	16	329 *
HERTTUA	15	37.5 *	15	77.9 ***	15	13.6 ***	15	724	15	259 **
BJARNE	16	32.3 ***	16	77.2 *	16	13.6 ***	16	710	16	288
QUARNA	12	37.6 *	12	79.4 ***	12	14.9 ***	12	814 ***	12	271 *
SG-S 910-12	2	38.2	2	79.2 **	2	13.7 o	2	790 o	2	196 **
AALLOTAR	17	34.1 ***	17	77.5 **	17	13.0	17	708	17	233 ***
BOR 12664	6	42.0 ***	6	80.4 ***	6	13.7 **	6	783 **	6	253 *
KREIVI	13	36.2	13	78.4 ***	13	12.8	13	724	13	304
KRABAT	16	33.9 ***	16	77.8 ***	16	13.3 *	16	721	16	297
WELLAMO	17	34.8 *	17	79.1 ***	17	13.3 **	17	742 o	17	250 ***
LENNOX	14	40.8 ***	14	78.8 ***	14	13.4 **	14	738	14	259 **
PROSA	15	43.3 ***	15	79.1 ***	15	15.9 ***	15	765 **	15	255 ***
KWS 655-3-10	14	43.2 ***	14	81.3 ***	14	12.4 **	14	830 ***	14	211 ***
DSV 0410.42111	8	41.2 ***	8	78.0 **	8	12.6	8	725	8	282
ZEBRA	9	38.3 **	9	79.3 ***	9	12.6	9	705	9	286

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Spring wheat, Official variety trials 2008 – 2015, Estimated variety means

Lajike	kpl	Tjp g		kpl	Hlp kg		kpl	Valk.- %		kpl	Valk.sato kg/ha		kpl	Sako- luku 1
Variety	trials	1000 seed weight g		trials	HI weight kg		trials	Prot.- %		trials	Prot. yield kg/ha		trials	Falling number 1
KRUUNU =C	58	36.2		58	76.4		58	12.9		58	708		58	298
DEMONSTRANT	23	36.7		23	79.5 ***		23	12.8		23	740 *		23	279 o
MARBLE	13	39.1 ***		13	79.7 ***		13	12.8		13	691		13	258 **
KW 518-1-10	13	43.6 ***		13	80.8 ***		13	12.6 o		13	764 **		13	208 ***
LICAMERO	7	44.5 ***		7	78.9 ***		7	12.8		7	770 *		7	184 ***
ANABEL	13	36.2		13	78.8 ***		13	12.0 ***		13	765 **		13	193 ***
DAFNE	13	38.5 ***		13	78.2 ***		13	12.0 ***		13	735		13	179 ***
MANDARYNA	6	37.4		6	79.6 ***		6	11.8 ***		6	702		6	207 ***
BOR 12657	6	40.8 ***		6	77.3		6	13.4 *		6	712		6	229 ***
CALIXO	17	41.6 ***		17	78.4 ***		17	12.3 ***		17	748 *		17	205 ***
SERTORI	18	40.5 ***		18	80.7 ***		18	13.6 ***		18	753 **		18	276 o
AMARETTO	55	38.8 ***		55	79.0 ***		55	11.9 ***		55	731 *		55	239 ***
KWS 646-3-10	14	44.4 ***		14	80.1 ***		14	13.5 **		14	837 ***		14	175 ***
STRU 093736S21	6	42.6 ***		6	78.5 ***		6	12.2 **		6	761 *		6	234 ***
PUNTARI	21	35.5		21	80.1 ***		21	11.8 ***		21	691		21	199 ***
SEC 523-07-8	6	38.3 *		6	78.1 **		6	13.4 o		6	822 ***		6	198 ***
SEC 404-00-1	13	42.5 ***		13	78.2 ***		13	13.0		13	768 **		13	293
STRU 093754S14	6	43.4 ***		6	79.5 ***		6	12.8		6	844 ***		6	267
EPOS	11	37.0		11	76.5		11	12.9		11	744 o		11	294
DRACO	25	42.8 ***		25	78.0 ***		25	11.9 ***		25	729		25	251 ***

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Spring wheat, Official variety trials 2008 – 2015, Estimated variety means

Lajike	kpl	Tjp g		kpl	Hlp kg		kpl	Valk.- %		kpl	Valk.sato kg/ha		kpl	Sako- luku 1
Variety	trials	1000 seed weight g		trials	HI weight kg		trials	Prot.- %		trials	Prot. yield kg/ha		trials	Falling number 1
KRUUNU =C	58	36.2		58	76.4		58	12.9		58	708		58	298
WICKI	17	41.9 ***		17	79.1 ***		17	12.0 ***		17	723		17	279
BOR 09243	9	44.9 ***		9	79.4 ***		9	12.3 **		9	769 **		9	248 **
CORNETTO	14	44.0 ***		14	77.2 *		14	12.0 ***		14	765 **		14	221 ***
KWS W 272	3	35.3		3	76.3		3	13.1		3	803 **		3	308
CHASSERAL	2	37.4		2	79.5 **		2	14.5 ***		2	803 *		2	218 **
KW 535-2-12	2	47.0 ***		2	78.5 *		2	14.2 **		2	753		2	151 ***
WPB ORYX	2	40.7 **		2	74.5 o		2	11.8 **		2	697		2	206 **
BOR 09268	11	43.2 ***		11	78.3 ***		11	12.5 *		11	751 *		11	191 ***
KW 432-1-12	2	45.0 ***		2	79.3 **		2	13.7 o		2	888 ***		2	185 ***

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike		Vyöhyke I	Suhde-		Vyöhyke II	Suhde-		Vyöhyke III	Suhde-	
	kpl	kg/ha	luku		kg/ha	luku		kg/ha	luku	
Variety	trials	Zone I	rel.		Zone II	rel.		Zone III	rel.	
		kg/ha			kg/ha			kg/ha		
KRUUNU	=C	27	5362	100	17	5995	100	11	5669	100
ANNIINA					2	5663	94	3	5598	99
BOR 09004					2	6388	107	2	6249	110
LUMIKKI		8	4551	85 ***	4	3946	66 ***	3	4305	76 ***
WAPPU		12	5029	94 o	8	5476	91 **	8	5530	98
WANAMO		8	4856	91 *	6	5330	89 **	2	5541	98
HERTTUA		5	5154	96	6	5615	94 o	3	5713	101
BJARNE		5	4454	83 ***	4	5792	97	5	5735	101
QUARNA		5	5516	103	5	5905	99	2	5402	95
AALLOTAR		9	5291	99	5	5877	98	3	5949	105
BOR 12664		2	5711	106	3	6081	101			
KREIVI		2	5615	105	5	5974	100	4	5804	102
KRABAT		8	5242	98	6	5860	98	2	5690	100
WELLAMO		8	5598	104	6	5646	94 o	3	5914	104
LENNOX		8	5596	104	4	5937	99	2	5402	95
PROSA		7	5318	99	5	5551	93 *	3	3698	65 ***
KWS 655-3-10		7	6998	131 ***	6	6831	114 ***			
DSV 0410.42111		4	5888	110 o	3	6432	107			
ZEBRA		8	5436	101						

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike		Vyöhyke I	Suhde-		Vyöhyke II	Suhde-		Vyöhyke III	Suhde-	
	kpl	kg/ha	luku		kg/ha	luku		kg/ha	luku	
Variety	trials	Zone I	rel.		Zone II	rel.		Zone III	rel.	
		kg/ha			kg/ha			kg/ha		
KRUUNU =C	27	5362	100		17	5995	100	11	5669	100
DEMONSTRANT	12	5636	105		7	6203	103	4	6173	109 o
MARBLE	6	5271	98		5	5809	97	2	5606	99
KW 518-1-10	5	5962	111 *		6	6720	112 ***	2	6066	107
LICAMERO	3	5803	108		3	6495	108 o			
ANABEL	5	6642	124 ***		6	6911	115 ***	2	5815	103
DAFNE	6	5982	112 **		5	6591	110 **	2	6545	115 *
MANDARYNA	2	6273	117 *		3	6484	108 o			
BOR 12657	2	4894	91		3	6323	105			
CALIXO	8	5983	112 **		6	6318	105	3	6781	120 ***
SERTORI	10	5550	103		5	5715	95	3	5926	105
AMARETTO	27	6065	113 ***		17	6488	108 ***	11	6527	115 ***
KWS 646-3-10	7	6306	118 ***		5	6818	114 ***	2	5862	103
STRU 093736S21	2	6612	123 ***		3	6763	113 **			
PUNTARI	8	5722	107 o		8	6181	103	5	6476	114 **
SEC 523-07-8	2	6791	127 ***		3	6256	104			
SEC 404-00-1	5	6131	114 **		6	6152	103	2	5880	104
STRU 093754S14	2	6858	128 ***		3	6880	115 **			
EPOS	8	5548	103		2	6538	109			
DRACO	14	5909	110 ***		7	6536	109 **	4	6430	113 **

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike		Vyöhyke I	Suhde-		Vyöhyke II	Suhde-		Vyöhyke III	Suhde-	
	kpl	kg/ha	luku		kg/ha	luku		kg/ha	luku	
Variety	trials	Zone I	rel.		Zone II	rel.		Zone III	rel.	
		kg/ha			kg/ha			kg/ha		
KRUUNU	=C	27	5362	100	17	5995	100	11	5669	100
WICKI		8	5751	107 o	7	6798	113 ***	2	5956	105
BOR 09243		6	6213	116 ***	2	6594	110 o			
CORNETTO		7	6233	116 ***	5	7066	118 ***	2	6337	112 o
KWS W 272		2	6291	117 *						
CHASSERAL		2	5498	103						
KW 535-2-12		2	5145	96						
WPB ORYX		2	6082	113 o						
BOR 09268		7	6270	117 ***	3	6333	106			

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vuosittain

Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Classification according to years

Lajike		Vuosi 2013 kg/ha	Suhde- luku		Vuosi 2014 kg/ha	Suhde- luku		Vuosi 2015 kg/ha	Suhde- luku
Variety	kpl trials	Year 2013 kg/ha	rel.	kpl trials	Year 2014 kg/ha	rel.	kpl trials	Year 2015 kg/ha	rel.
KRUUNU =C	8	5376	100	9	5673	100	8	6029	100
ANNIINA	2	5112	95						
BOR 09004							5	6710	111 *
LUMIKKI	3	4560	85 **						
WAPPU	2	5456	101	9	5359	94	4	5859	97
HERTTUA	6	5273	98	2	5757	101			
BJARNE							5	6493	108
SG-S 910-12							2	6444	107
BOR 12664							6	6413	106
KREIVI	6	5434	101	6	6077	107			
KRABAT							2	6509	108
LENNOX	6	5573	104	2	5749	101			
PROSA	6	5256	98	7	5002	88 **			
KWS 655-3-10	2	7210	134 ***	6	7272	128 ***	6	6980	116 ***
DSV 0410.42111				7	6046	107			
DEMONSTRANT							5	6647	110 *
KW 518-1-10				7	6153	108 o	6	7072	117 ***
LICAMERO				4	6320	111 *	3	6653	110 o
ANABEL				7	6607	116 ***	6	7218	120 ***
DAFNE	6	6035	112 **	7	6432	113 **			

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vuosittain

Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Classification according to years

Lajike		Vuosi 2013 kg/ha	Suhde- luku		Vuosi 2014 kg/ha	Suhde- luku		Vuosi 2015 kg/ha	Suhde- luku
Variety	kpl trials	Year 2013 kg/ha	rel.	kpl trials	Year 2014 kg/ha	rel.	kpl trials	Year 2015 kg/ha	rel.
KRUUNU =C	8	5376	100	9	5673	100	8	6029	100
MANDARYNA							6	6790	113 **
BOR 12657							6	6022	100
CALIXO	6	5885	109 *	6	6218	110 *	5	7135	118 ***
AMARETTO	7	5971	111 **	8	6288	111 *	7	6977	116 ***
KWS 646-3-10	2	6233	116 *	6	6420	113 **	6	7086	118 ***
STRU 093736S21							6	7081	117 ***
PUNTARI				8	5823	103	4	6817	113 *
SEC 523-07-8							6	6860	114 **
SEC 404-00-1				7	6341	112 **	6	6364	106
STRU 093754S14							6	7345	122 ***
DRACO	6	6050	113 **						
WICKI	4	6253	116 **	2	6783	120 **	2	6171	102
BOR 09243	2	6156	115 *	6	6469	114 **			
CORNETTO	1	6724	125 **	5	7004	123 ***	2	6532	108
KWS W 272							3	6892	114 *
CHASSERAL							2	6173	102
KW 535-2-12							2	5820	97
WPB ORYX							2	6757	112 o
BOR 09268	2	6457	120 **	6	5973	105			
KW 432-1-12							2	7160	119 **

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu maajeittain

Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike		Karkeat kiv. maat kpl	Sato- ero kg/ha	Suhde- luku		Savimaat kpl	Sato- ero kg/ha	Suhde- luku		Liejusavi kpl	Sato- ero kg/ha	Suhde- luku			
Variety		Coarse mineral kg/ha	Yield difference	rel.		Clay kg/ha	Yield difference	rel.		Gyttja clay kg/ha	Yield difference	rel.			
KRUUNU	=C	8	5761	0	100	44	5485	0	100	5	5050	0	100		
ANNIINA		3	5632	-128	98	4	5254	-230	96						
BOR 09004		2	6128	367	106	3	6108	624	111	*					
LUMIKKI		3	5003	-757	87	*	11	4060	-1423	74	***	2	4723	-326	94
WAPPU		6	5531	-229	96		23	5120	-364	93	**				
WANAMO						13	4896	-587	89	***	3	4950	-99	98	
HERTTUA		3	6045	284	105		11	5321	-162	97					
BJARNE		3	6259	498	109		12	5065	-418	92	**				
QUARNA						9	5478	-6	100		3	5134	84	102	
SG-S 910-12						1	6004	519	109						
AALLOTAR						15	5490	5	100		2	4753	-296	94	
BOR 12664						6	5689	204	104						
KREIVI		5	6170	409	107	o	7	5547	63	101					
KRABAT						13	5438	-45	99		2	4938	-111	98	
WELLAMO						14	5446	-38	99		3	5451	401	108	
LENNOX						12	5521	36	101						
PROSA						12	5058	-426	92	**					
KWS 655-3-10						12	6622	1137	121	***					
DSV 0410.42111						6	5912	427	108	*					
ZEBRA						6	5559	75	101		3	5267	217	104	

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu maajeittain

Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike	kpl	Karkeat kiv.	Sato-	Suhde-	Savimaat		Sato-	Suhde-	Liejusavi		Sato-	Suhde-
		maat	ero	luku	kpl	kg/ha	ero	luku	kpl	kg/ha	ero	luku
Variety	trials	Coarse mine- ral kg/ha	Yield difference	rel.	trials	kg/ha	Clay difference	Yield rel.	trials	kg/ha	Gyttja clay difference	Yield rel.
KRUUNU =C	8	5761	0	100	44	5485	0	100	5	5050	0	100
DEMONSTRANT					20	5752	267	105 *	3	5470	420	108
MARBLE					10	5368	-116	98	3	5039	-10	100
KW 518-1-10					11	6191	707	113 ***				
LICAMERO					6	5994	509	109 *				
ANABEL					11	6473	989	118 ***				
DAFNE					10	6004	519	109 **				
MANDARYNA					6	6066	581	111 **				
BOR 12657					6	5298	-186	97				
CALIXO					15	6004	519	109 ***				
SERTORI					16	5527	42	101	2	5255	205	104
AMARETTO	5	6600	839	115 **	44	6177	693	113 ***	5	5508	458	109
KWS 646-3-10					12	6359	874	116 ***				
STRU 093736S21					6	6357	872	116 ***				
PUNTARI	3	6379	618	111 *	16	5826	341	106 *				
SEC 523-07-8					6	6136	651	112 **				
SEC 404-00-1					11	5847	362	107 *				
STRU 093754S14					6	6620	1135	121 ***				
EPOS					9	5846	361	107 *	2	5045	-4	100
DRACO					20	6052	567	110 ***	4	5741	691	114 o

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu maajeittain

Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike	kpl	Karkeat kiv.	Sato-	Suhde-	Savimaat		Sato-	Suhde-	Liejusavi		Sato-	Suhde-
		maat	ero	luku	kpl	kg/ha	ero	luku	kpl	kg/ha	ero	luku
Variety	trials	Coarse mineral	Yield	rel.	trials	Clay	Yield	rel.	trials	Gyttja clay	Yield	rel.
		kg/ha	difference			kg/ha	difference			kg/ha	difference	
KRUUNU =C	8	5761	0	100	44	5485	0	100	5	5050	0	100
WICKI					15	6055	570	110 ***				
BOR 09243					7	6166	682	112 ***				
CORNETTO	2	6959	1198	121 **	12	6337	852	116 ***				
KWS W 272					3	6174	690	113 *				
CHASSERAL					2	5447	-37	99				
KW 535-2-12					2	5094	-390	93				
WPB ORYX					2	6031	546	110				
BOR 09268					9	6137	652	112 ***				
KW 432-1-12					2	6444	959	117 **				

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu satotason mukaan

Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Classification according to crop yield levels

Lajike		kpl	Alhainen sato- taso kg/ha	Suhde- luku		kpl	Keskimääräinen satotaso kg/ha	Suhde- luku		kpl	Korkea sato- taso kg/ha	Suhde- luku
Variety		trials	Low yield kg/ha	rel.		trials	Medium yield kg/ha	rel.		trials	High yield kg/ha	rel.
KRUUNU	=C	18	4383	100		19	5472	100		21	6381	100
ANNIINA						4	5430	99		2	5876	92
BOR 09004						2	6195	113 o		2	6792	106
LUMIKKI		4	3072	70 ***		8	4278	78 ***		4	5125	80 ***
WAPPU		11	3877	88 ***		9	5256	96		11	6090	95
WANAMO		6	4076	93 o		7	5164	94		3	5194	81 ***
HERTTUA		7	4097	93		3	5593	102		5	6067	95
BJARNE		3	4167	95		7	5456	100		6	5817	91 *
QUARNA		4	4333	99		5	5322	97		3	6766	106
AALLOTAR		6	4016	92 *		7	5641	103		4	6686	105
BOR 12664										4	6891	108 o
KREIVI		6	4267	97						6	6578	103
KRABAT		2	4196	96		8	5382	98		6	6387	100
WELLAMO		6	4325	99		7	5730	105		4	6267	98
LENNOX		5	4413	101		2	5250	96		7	6607	104
PROSA		4	4222	96		3	3820	70 ***		8	6054	95
KWS 655-3-10		3	5170	118 **		2	6649	122 **		9	7861	123 ***
DSV 0410.42111						2	5288	97		5	6975	109 *
ZEBRA		4	4485	102		3	5704	104		2	6271	98

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu satotason mukaan

Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Classification according to crop yield levels

Lajike	kpl	Alhainen sato- taso kg/ha	Suhde- luku	kpl	Keskimääräinen satotaso kg/ha	Suhde- luku	kpl	Korkea sato- taso kg/ha	Suhde- luku
Variety	trials	Low yield kg/ha	rel.	trials	Medium yield kg/ha	rel.	trials	High yield kg/ha	rel.
KRUUNU =C	18	4383	100	19	5472	100	21	6381	100
DEMONSTRANT	8	4473	102	9	5869	107 o	6	6837	107 *
MARBLE	4	4081	93	6	5449	100	3	6493	102
KW 518-1-10	2	5138	117 *	3	5877	107	8	7153	112 ***
LICAMERO				2	6223	114 o	4	7035	110 *
ANABEL	2	5061	115 *	3	5918	108	8	7664	120 ***
DAFNE	4	4661	106	2	6351	116 *	7	7199	113 ***
MANDARYNA							4	7262	114 **
BOR 12657							4	6315	99
CALIXO	5	4566	104	3	6275	115 *	9	7179	113 ***
SERTORI	7	4435	101	7	5553	101	4	6583	103
AMARETTO	17	4777	109 **	18	6237	114 ***	20	7228	113 ***
KWS 646-3-10	3	5252	120 ***	3	5980	109	8	7275	114 ***
STRU 093736S21							4	7551	118 ***
PUNTARI	5	4739	108 o	4	6079	111 *	12	6772	106 *
SEC 523-07-8							4	7404	116 ***
SEC 404-00-1	2	4176	95	3	5970	109	8	7006	110 **
STRU 093754S14							4	7778	122 ***
EPOS	5	4427	101	4	6025	110 o	2	6930	109
DRACO	10	4855	111 **	8	5958	109 *	7	7168	112 ***

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu satotason mukaan

Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Classification according to crop yield levels

Lajike		kpl	Alhainen satotaso kg/ha	Suhde- luku		kpl	Keskimääräinen satotaso kg/ha	Suhde- luku		kpl	Korkea satotaso kg/ha	Suhde- luku	
Variety		trials	Low yield kg/ha	rel.		trials	Medium yield kg/ha	rel.		trials	High yield kg/ha	rel.	
KRUUNU	=C	18	4383	100		19	5472	100		21	6381	100	
WICKI		6	4815	110	*	5	5933	108	o	6	7144	112	**
BOR 09243		2	4896	112	o	2	6269	115	o	5	7260	114	***
CORNETTO		4	5137	117	***	3	6353	116	*	7	7469	117	***
KWS W 272										3	7261	114	**
CHASSERAL										2	6546	103	
KW 535-2-12										2	6193	97	
WPB ORYX										2	7130	112	*
BOR 09268		3	5127	117	**	2	5419	99		6	7116	112	**
KW 432-1-12										2	7529	118	**

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Leivontalaatu
Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Baking quality

Lajike	Jauho- saanto		Sako- luku		Valk. NIR		Kostea sitko		Zeleny- luku		Vedensidonta (kost. 14%)	
	kpl	%	kpl	sek.	kpl	%	kpl	%	kpl		kpl	%
Variety	trials	Flour yield %	trials	Falling number sec	trials	Protein content %	trials	Wet gluten %	trials	Zeleny number	trials	Water absorption (moisture 14%) %
KRUUNU =C	16	71.8	13	366	16	12.1	16	28	16	58	16	58.3
AALLOTAR	5	70.2 **	5	332 o	5	12.0	5	27	5	53 *	5	58.1
WANAMO	2	69.3 **	2	418 o	2	12.6	2	28	2	68 **	2	57.2
WAPPU	5	69.4 ***	3	374	5	13.7 ***	5	34 ***	5	52 **	5	61.9 ***
HERTTUA	6	69.6 ***	3	342	6	13.4 ***	6	31 ***	6	59	6	60.8 ***
KREIVI	5	70.6 *			5	12.5	5	26	5	62	5	55.7 ***
BOR 09243	2	68.1 ***			2	11.4	2	26	2	61	2	59.9 *
BOR 09268	2	68.1 ***			2	11.1 *	2	26	2	48 **	2	60.7 ***
LUMIKKI	5	71.6	5	318 *	5	13.6 ***	5	31 **	5	62 o	5	61.0 ***
DEMONSTRANT	2	68.3 ***	2	344	2	12.0	2	25 *	2	58	2	56.5 *
AMARETTO	16	74.2 ***	13	308 ***	16	10.9 ***	16	25 ***	16	48 ***	16	58.1
SERTORI	5	70.4 *	5	332 o	5	12.5	5	27	5	67 **	5	60.5 ***
KWS SCIROCCO	6	70.2 **	6	359	6	12.9 **	6	30 **	6	66 **	6	61.9 ***
SPECIFIK	3	72.9	3	304 *	3	12.6	3	28	3	58	3	58.4

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Leivontalaatu
Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Baking quality

Lajike	Jauho- saanto		Sako- luku		Valk. NIR		Kostea sitko		Zeleny- luku		Vedensidonta (kost. 14%)	
	kpl	%	kpl	sek.	kpl	%	kpl	%	kpl	%	kpl	%
Variety	trials	Flour yield %	trials	Falling number sec	trials	Protein content %	trials	Wet gluten %	trials	Zeleny number %	trials	Water absorption (moisture 14%) %
KRUUNU =C	16	71.8	13	366	16	12.1	16	28	16	58	16	58.3
DRACO	8	72.6	8	330 *	8	11.0 ***	8	26 o	8	49 ***	8	58.7
KRABAT	7	68.2 ***	6	404 *	7	12.7 **	7	30 *	7	63 *	7	60.0 ***
WICKI	4	69.7 **	4	336	4	11.0 **	4	26 *	4	45 ***	4	61.0 ***
LENNOX	6	70.0 **	3	405	6	12.9 **	6	30 **	6	66 ***	6	62.9 ***
PROSA	4	70.2 *			4	15.8 ***	4	38 ***	4	67 **	4	63.6 ***
CALIXO	2	72.0			2	12.1	2	28	2	57	2	59.1
DAFNE	3	72.0			3	11.0 **	3	25 **	3	54	3	55.4 ***
KWS 646-3-10	2	69.4 **			2	12.9 o	2	30 o	2	61	2	62.8 ***
SEC 404-00-1	2	68.6 ***			2	12.2	2	28	2	51 *	2	60.9 ***

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Leivontalaatu
Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Baking quality

Lajike	Valorimetri luku		Ekstenso-gram. 90 min pituus, mm		Ekstenso-gram. 90 min korkeus, mm		Ekstenso-gram. 90 min pinta-ala, cm ²		Farinogrammi Pehmenemisaste FU		Tuhka kuiva-aineena %	
Variety	trials	value	trials	length mm	trials	height mm	trials	area cm ²	trials	Degree of softening FU	trials	Ash % d.m.
KRUUNU =C	16	51	16	204	16	438	15	131	6	60	16	0.54
AALLOTAR	5	55	5	220 *	5	319 ***	4	105 *			5	0.60 **
WANAMO	2	56	2	217	2	564 *	2	171 *			2	0.54
WAPPU	5	52	5	258 ***	5	150 ***	5	75 ***	2	88 o	5	0.58 *
HERTTUA	6	59 **	6	196	6	440	6	132	6	43 o	6	0.54
KREIVI	5	56 o	5	203	5	627 ***	5	171 ***	5	41 o	5	0.52
BOR 09243	2	50	2	221	2	402	2	136	2	80	2	0.52
BOR 09268	2	41 **	2	175 **	2	341 *	2	76 ***	2	107 **	2	0.60 o
LUMIKKI	5	53	5	197	5	439	5	129	3	84 *	5	0.55
DEMONSTRANT	2	53	2	190	2	432					2	0.51
AMARETTO	16	46 **	16	194 *	16	377 **	14	108 **	6	86 **	16	0.54
SERTORI	5	56	5	231 ***	5	443	3	148			5	0.50 o
KWS SCIROCCO	6	54	6	236 ***	6	308 ***	6	114 o			6	0.51
SPECIFIK	3	48	3	191	3	475	3	125			3	0.51

Kevätvehnä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Leivontalaatu
Spring wheat, Official variety trials 2008 – 2015, Estimated variety means, Baking quality

Lajike	Valorimetri luku		Ekstenso-gram. 90 min pituus, mm		Ekstenso-gram. 90 min korkeus, mm		Ekstenso-gram. 90 min pinta-ala, cm ²		Farinogrammi Pehmene-misaste FU		Tuhka kuiva-aineena %	
	kpl	Valori-meter value	kpl	Extensogram 90 min length mm	kpl	Extensogram 90 min height mm	kpl	Extensogram 90 min area cm ²	kpl	Farinogram Degree of softening FU	kpl	Ash % d.m.
Variety	trials	value	trials	length mm	trials	height mm	trials	area cm ²	trials	FU	trials	% d.m.
KRUUNU =C	16	51	16	204	16	438	15	131	6	60	16	0.54
DRACO	8	49	8	198	8	411	8	122	3	82 o	8	0.46 ***
KRABAT	7	55 o	7	224 **	7	407	7	129	4	52	7	0.57 o
WICKI	4	50	4	182 **	4	359 *	4	97 **	3	73	4	0.52
LENNOX	6	58 *	6	235 ***	6	430	6	141	6	54	6	0.53
PROSA	4	60 **	4	245 ***	4	459	4	159 *	4	42	4	0.55
CALIXO	2	42 *	2	248 ***	2	341 o	2	134	2	81	2	0.50
DAFNE	3	45 o	3	196	3	432	3	122	3	69	3	0.52
KWS 646-3-10	2	54	2	248 ***	2	379	2	146	2	64	2	0.55
SEC 404-00-1	2	47	2	218	2	369	2	129	2	67	2	0.57

3.5. Ohra / Barley / Hordeum vulgare L.

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot

Barley, Official variety trials 2008 – 2015, Estimated variety means

Lajike			kpl	Sato kg/ha	Sato- ero	Suhde- luku		kpl	Kasvuaika pv		kpl	Lako- %		kpl	Pituus cm	
Variety			trials	Yield kg/ha	Yield difference	rel.		trials	Growing time d		trials	Lodging %		trials	Length cm	
NFC TIPPLE	kt	=C	43	5763	0	100		42	98		19	7		43	68	
VOITTO	mt		11	5215	-548	90	***	10	85	***	6	17	o	10	81	***
VERTTI	mt		16	5904	141	102		15	85	***	5	8		16	72	***
AUKUSTI	mt		44	5897	134	102		43	85	***	22	20	***	44	84	***
WOLMARI	mt		27	5864	101	102		27	86	***	13	18	*	27	76	***
TIRIL	mt		15	5479	-283	95	*	15	86	***	8	11		15	78	***
JALMARI	mt		22	5698	-64	99		20	87	***	11	18	*	21	77	***
TRYM	mt		24	5826	63	101		22	88	***	13	20	**	23	82	***
VILDE	mt		73	5372	-390	93	***	70	89	***	39	7		72	74	***
BRAGE	mt		21	6121	358	106	**	21	89	***	11	12		21	81	***
EINAR	mt		11	5905	142	102		11	90	***	7	10		11	81	***
SEVERI	mt		21	6005	242	104	*	19	90	***	11	16	*	21	78	***
ALVARI	mt		17	6458	695	112	***	16	90	***	8	12		17	87	***
SWÅ 09077	kt		13	6331	568	110	***	13	90	***	8	13		13	81	***
SAANA	kt		10	5392	-370	94	*	10	91	***	6	10		10	71	*
ELMERI	mt		12	6141	378	107	*	12	91	***	7	7		12	75	***
JUSTUS	mt		21	5961	198	103		19	91	***	11	17	*	21	82	***
EDVIN	mt		11	5758	-4	100		11	92	***	7	28	***	11	82	***
RAGNA	mt		20	5936	173	103		18	92	***	12	3		19	80	***

kt = kaksitahoinen ohra / two row barley

mt = monitahoinen ohra / six row barley

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Barley, Official variety trials 2008 – 2015, Estimated variety means

Lajike			kpl	Sato kg/ha	Sato- ero	Suhde- luku		kpl	Kasvuaika pv		kpl	Lako- %		kpl	Pituus cm
Variety			trials	Yield kg/ha	Yield difference	rel.		trials	Growing time d		trials	Lodging %		trials	Length cm
NFC TIPPLE	kt	=C	43	5763	0	100		42	98		19	7		43	68
EDEL	mt		4	5896	133	102		4	93 ***		3	7		4	82 ***
TORIA	mt		26	6310	547	109 ***		24	93 ***		14	18 **		25	77 ***
KAARLE	mt		19	6511	748	113 ***		18	93 ***		8	8		19	81 ***
SW MITJA	kt		26	6041	278	105 *		26	93 ***		16	13 o		26	74 ***
VILGOTT	kt		19	5768	5	100		19	93 ***		10	9		19	64 ***
NOS 10004-81	kt		11	6375	611	111 ***		11	93 ***		6	13		11	73 ***
BOR 10662	mt		6	6759	996	117 ***		6	93 ***		3	6		6	81 ***
SYDNEY	kt		8	6265	501	109 **		8	93 ***		4	7		8	65 **
BOR 12015	kt		11	5710	-52	99		11	93 ***		6	1		11	69
LUHKAS	kt		17	6334	571	110 ***		17	93 ***		9	7		17	68
NORD 12/2412	kt		6	6528	765	113 ***		6	94 ***		3	5		6	68
MARTHE	kt		16	5518	-245	96 o		16	94 ***		9	17 *		16	70 *
RUSALKA	kt		11	6535	772	113 ***		11	94 ***		6	12		11	67 o
BOR 12013	kt		11	5757	-5	100		11	94 ***		6	2		11	67
SALOME	kt		16	6292	528	109 ***		16	94 ***		12	13		16	66 *
STREIF	kt		18	6159	396	107 **		18	94 ***		10	13		18	70 o
CERBINETTA	kt		12	6059	296	105 *		12	95 ***		6	10		12	68
EIFEL	kt		12	6522	759	113 ***		12	95 ***		6	16 o		12	73 ***

kt = kaksitahoinen ohra / two row barley

mt = monitahoinen ohra / six row barley

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Barley, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Sato kg/ha	Sato- ero	Suhde- luku		kpl	Kasvuaika pv		kpl	Lako- %		kpl	Pituus cm
Variety		trials	Yield kg/ha	Yield difference	rel.		trials	Growing time d		trials	Lodging %		trials	Length cm
NFC TIPPLE	kt =C	43	5763	0	100		42	98		19	7		43	68
1182314	kt	6	6910	1146	120	***	6	95	***	3	7		6	74
FORTUNA	kt	11	6407	644	111	***	11	95	***	6	11		11	66
IRON	kt	27	6311	548	110	***	27	95	***	12	8		27	71
POMPE	kt	13	6665	902	116	***	13	95	***	8	18	*	13	68
KWS HARRIS	kt	3	6609	846	115	**	3	95	*	2	10		3	72
FAIRYTALE	kt	17	6144	380	107	**	17	95	***	8	15		17	74
BARKE	kt	10	5451	-311	95	o	10	96	***	4	10		10	75
FABIOLA	kt	13	6118	355	106	*	13	96	***	6	10		13	68
HARBINGER	kt	20	5759	-3	100		20	96	***	10	4		20	70
GRACE	kt	18	6194	431	107	**	18	96	***	8	20	**	18	72
MELIUS	kt	12	6477	714	112	***	12	96	**	6	9		12	68
NORD 11/2412	kt	11	6473	710	112	***	11	96	**	6	8		11	71
SC 22-8C	kt	6	6343	580	110	**	6	96	*	3	17		6	70
TOCADA	kt	10	6001	238	104		10	96	*	3	10		10	74
BR10115D2	kt	17	6620	857	115	***	17	96	***	9	16	*	17	69
MILFORD	kt	12	6085	322	106	*	12	96	**	6	14		12	65
RGT PLANET	kt	12	6649	886	115	***	12	96	**	7	10		12	69
GESINE	kt	12	6097	334	106	*	12	96	**	7	4		12	69

kt = kaksitahoinen ohra / two row barley

mt = monitahoinen ohra / six row barley

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Barley, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Sato kg/ha	Sato- ero	Suhde- luku		kpl	Kasvuaika pv		kpl	Lako- %		kpl	Pituus cm
Variety		trials	Yield kg/ha	Yield difference	rel.		trials	Growing time d		trials	Lodging %		trials	Length cm
NFC TIPPLE	kt =C	43	5763	0	100		42	98		19	7		43	68
BR 11630MZ1	kt	11	6326	563	110	***	11	96	**	6	9		11	75
LN 1276	kt	11	6659	895	116	***	11	96	**	6	11		11	71
FAIRING	kt	6	6036	273	105		6	96	o	3	8		6	72
SC 35 815N2	kt	6	6183	420	107	*	6	96	o	3	22	*	6	70
AMBER	kt	8	5816	53	101		8	96	*	3	8		8	73
NOS 19313-83	kt	11	6881	1118	119	***	11	96	*	6	33	***	11	75
KWS SPECTRA	kt	11	6612	849	115	***	11	96	*	6	8		11	68
NOS 19339-81	kt	6	6518	755	113	***	6	96	o	3	18	o	6	68
NOS 17263-55	kt	11	6650	887	115	***	11	96	*	6	32	***	11	68
TREKKER	kt	20	6316	553	110	***	20	97	*	12	17	**	20	70
12742MZ23	kt	6	6450	687	112	***	6	97		3	15		6	72
PROPINO	kt	18	5890	126	102		18	97	*	8	9		18	76
AVALON	kt	11	6565	802	114	***	11	97	o	6	7		11	71
KWS 13/207	kt	6	7027	1264	122	***	6	97		3	11		6	66
SW C11 0799	kt	6	6475	711	112	***	6	97		3	11		6	75
CRESCENDO	kt	11	6953	1190	121	***	11	97		6	14		11	79
SJ 148214	kt	6	6755	992	117	***	6	97		3	10		6	64
SOULMATE	kt	17	6557	794	114	***	17	97		9	10		17	63

kt = kaksitahoinen ohra / two row barley

mt = monitahoinen ohra / six row barley

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Barley, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Sato kg/ha	Sato- ero	Suhde- luku		kpl	Kasvuaika pv		kpl	Lako- %		kpl	Pituus cm
Variety		trials	Yield kg/ha	Yield difference	rel.		trials	Growing time d		trials	Lodging %		trials	Length cm
NFC TIPPLE	kt =C	43	5763	0	100		42	98		19	7		43	68
BOR 12037	kt	11	5784	21	100		11	97		6	5		11	67
OVERTURE	kt	20	6183	420	107	***	20	97		12	16 *		20	72 ***
KWS IRINA	kt	12	5985	222	104		12	97		6	8		12	65 **
FENNICA	kt	14	6551	788	114	***	14	98		8	6		14	68
QUENCH	kt	8	5830	67	101		8	98		2	5		8	71 *
PRUNELLA	kt	11	6453	690	112	***	11	98		6	8		11	74 ***
SHANDY	kt	12	6273	510	109	***	12	98		6	8		12	65 **
HOBBS	kt	6	6577	814	114	***	6	98		3	14		6	64 **
ODYSSEY	kt	11	6353	590	110	***	11	99 *		6	26 ***		11	67
SC 104-2A	kt	6	6633	870	115	***	6	99 o		3	9		6	69
ORIGIN	kt	6	6972	1209	121	***	6	99 o		3	18 o		6	71 *
PIPER	kt	11	6698	935	116	***	11	100 ***		6	5		11	69
OVATION	kt	6	6941	1178	120	***	6	100 ***		3	18 o		6	67
DRAGOON	kt	6	6971	1208	121	***	6	100 ***		3	17		6	69
LAUREATE	kt	6	6793	1030	118	***	6	101 ***		3	27 **		6	69

kt = kaksitahoinen ohra / two row barley

mt = monitahoinen ohra / six row barley

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Barley, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Tjp g		kpl	Hlp kg		Valk.- %		kpl	Valk- sato		Täysjyvä- %		kpl	Tärkkelys %
Variety		trials	1000 seed weight g		trials	HI- weight kg		Prot. %		trials	Protein Yield		Sieving %		trials	Starch %
NFC TIPPLE	kt =C	43	50.7		42	67.3		42	10.7	42	522		29	94.2	24	62.3
VOITTO	mt	11	41.3 ***		11	63.5 ***		11	12.2 ***	11	545					
VERTTI	mt	16	43.7 ***		16	65.9 ***		16	11.8 ***	16	596 ***		11	85.5 ***	14	60.8 ***
AUKUSTI	mt	44	42.5 ***		44	64.9 ***		44	11.7 ***	44	591 ***		16	77.7 ***	19	60.7 ***
WOLMARI	mt	27	40.2 ***		27	63.5 ***		27	11.8 ***	27	592 ***		3	78.3 ***	2	60.4 ***
TIRIL	mt	15	39.2 ***		15	63.4 ***		15	12.4 ***	15	579 ***		2	75.4 ***	3	60.2 ***
JALMARI	mt	22	41.5 ***		22	63.9 ***		22	12.0 ***	22	584 ***		2	85.6 *	2	60.6 ***
TRYM	mt	24	41.1 ***		24	63.6 ***		24	11.7 ***	24	582 ***		3	74.9 ***	4	60.3 ***
VILDE	mt	73	40.1 ***		72	63.3 ***		72	12.3 ***	72	561 ***		29	74.6 ***	31	60.0 ***
BRAGE	mt	21	39.2 ***		21	65.5 ***		21	11.5 ***	21	611 ***					
EINAR	mt	11	39.5 ***		11	65.2 ***		11	11.1 **	11	564 *					
SEVERI	mt	21	41.3 ***		21	65.0 ***		21	10.9 *	21	559 **		6	75.7 ***	5	61.3 ***
ALVARI	mt	17	45.7 ***		17	66.0 **		17	11.4 ***	17	635 ***		8	88.1 **	10	61.0 ***
SWÅ 09077	kt	13	49.4 *		13	70.0 ***		12	11.8 ***	12	641 ***		11	93.5	13	61.4 ***
SAANA	kt	10	47.5 ***		10	67.6		9	11.9 ***	9	542		8	90.5 o	7	60.8 ***
ELMERI	mt	12	42.6 ***		12	64.8 ***		12	11.0 o	12	580 ***					
JUSTUS	mt	21	42.5 ***		21	65.3 ***		21	11.2 ***	21	568 ***		6	92.2	5	61.0 ***
EDVIN	mt	11	40.5 ***		11	64.3 ***		11	10.9	11	535					
RAGNA	mt	20	43.5 ***		20	65.8 ***		20	11.2 ***	20	569 ***		2	83.2 **	3	60.2 ***

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Barley, Official variety trials 2008 – 2015, Estimated variety means

Lajike			Tjp		Hlp			Valk.-			Valk-		Täysjyvä			Tärkkelys	
Variety			kpl	g	kpl	kg	kpl	%	kpl	sato	kpl	%	kpl	%	kpl	%	
			1000	HI-				Prot.	Protein		Sieving		Starch				
			seed	weight				%	Yield		%		%				
			weight g	kg				%									
NFC TIPPLE	kt	=C	43	50.7	42	67.3	42	10.7	42	522	29	94.2	24	62.3			
EDEL	mt		4	41.5 ***	4	64.9 **	4	11.1 o	4	554							
TORIA	mt		26	45.4 ***	26	65.9 ***	26	11.1 **	26	597 ***							
KAARLE	mt		19	45.5 ***	19	64.8 ***	19	10.8	19	601 ***	11	85.9 ***	10	61.2 ***			
SW MITJA	kt		26	47.9 ***	26	69.0 ***	25	11.7 ***	25	604 ***	12	86.4 ***	11	61.4 ***			
VILGOTT	kt		19	45.7 ***	19	66.7 o	18	11.6 ***	18	575 ***	16	83.1 ***	16	61.4 ***			
NOS 10004-81	kt		11	51.3	11	67.8	10	11.2 ***	10	611 ***	10	97.4 o	11	61.4 ***			
BOR 10662	mt		6	46.1 ***	6	63.9 ***	6	11.5 ***	6	672 ***	4	89.3 o	6	60.7 ***			
SYDNEY	kt		8	47.2 ***	8	66.7	8	10.8	8	577 **	7	86.4 ***	8	61.9 o			
BOR 12015	kt		11	45.0 ***	11	68.7 **	10	12.2 ***	10	604 ***	10	86.3 ***	11	61.1 ***			
LUHKAS	kt		17	49.3 *	17	68.6 ***	16	11.2 ***	16	603 ***	16	92.6	15	61.8 **			
NORD 12/2412	kt		6	56.0 ***	6	67.9	5	10.9	5	611 ***	5	93.9	6	62.2			
MARTHE	kt		16	44.7 ***	16	67.7	16	11.8 ***	16	551 *	4	91.9					
RUSALKA	kt		11	48.9 **	11	66.9	11	10.5	11	581 ***	11	92.5	9	62.4			
BOR 12013	kt		11	45.9 ***	11	67.0	10	12.0 ***	10	597 ***	10	88.3 **	11	60.9 ***			
SALOME	kt		16	48.9 **	15	67.1	15	11.0 *	15	588 ***	5	92.5	2	61.9			
STREIF	kt		18	49.6 o	18	68.4 **	18	11.6 ***	18	609 ***	5	92.0					
CERBINETTA	kt		12	49.7	11	65.7 ***	12	11.1 **	12	571 ***	7	91.8	4	61.6 *			
EIFEL	kt		12	52.2 *	12	66.5 o	12	11.1 ***	12	619 ***	12	96.3	10	61.9 o			

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Barley, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Tjp g		kpl	Hlp kg		kpl	Valk.- %		kpl	Valk- sato		kpl	Täysjyvä- %		kpl	Tärkkelys %
Variety		trials	1000 seed weight g		trials	HI- weight kg		trials	Prot. %		trials	Protein Yield		trials	Sieving %		trials	Starch %
NFC TIPPLE	kt =C	43	50.7		42	67.3		42	10.7		42	522		29	94.2		24	62.3
11823I4	kt	6	54.5 ***		6	66.9		5	10.8		5	632 ***		5	94.1		6	62.3
FORTUNA	kt	11	52.6 **		11	66.5 o		11	10.8		11	588 ***		11	93.4		9	61.8 *
IRON	kt	27	47.6 ***		26	67.7		27	11.1 ***		27	598 ***		8	94.0			
POMPE	kt	13	52.6 **		13	65.9 **		12	10.7		12	612 ***		12	92.9		11	62.0
KWS HARRIS	kt	3	49.2		3	65.9 o		2	10.4		2	593 *		2	92.3		3	62.3
FAIRYTALE	kt	17	43.5 ***		17	67.5		17	11.0 **		17	579 ***		5	86.4 **			
BARKE	kt	10	49.6		10	69.2 ***		10	12.4 ***		10	568 **		3	92.1			
FABIOLA	kt	13	49.6		13	68.0		13	11.4 ***		13	593 ***		13	95.6		11	61.7 **
HARBINGER	kt	20	47.7 ***		20	68.1 *		20	11.5 ***		20	565 ***		7	91.9			
GRACE	kt	18	50.0		18	69.5 ***		18	11.7 ***		18	614 ***		6	92.8			
MELIUS	kt	12	52.1 *		11	67.4		12	10.8		12	598 ***		7	93.2		4	62.0
NORD 11/2412	kt	11	54.4 ***		11	66.6		10	10.6		10	582 ***		10	96.0		11	62.2
SC 22-8C	kt	6	47.6 ***		6	66.8		5	10.8		5	580 **		5	93.5		6	62.1
TOCADA	kt	10	52.6 **		10	66.2 *		10	11.4 ***		10	578 ***		4	92.7			
BR10115D2	kt	17	45.7 ***		17	68.4 **		16	11.0 **		16	618 ***		16	93.4		15	62.3
MILFORD	kt	12	47.2 ***		11	65.2 ***		12	11.0 *		12	567 **		7	92.3		4	61.7 o
RGT PLANET	kt	12	49.8		12	66.5 o		11	10.3 *		11	587 ***		11	94.9		12	62.5
GESINE	kt	12	50.0		12	67.5		11	11.1 **		11	571 **		12	95.3		10	61.8 *

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Barley, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Tjp g		kpl	Hlp kg		Valk.- %		kpl	Valk- sato		Täysjyvä- %		kpl	Tärkkelys %
Variety		trials	1000 seed weight g		trials	HI weight kg		Prot. %		trials	Protein Yield		Sieving %		trials	Starch %
NFC TIPPLE	kt =C	43	50.7		42	67.3		42	10.7	42	522		29	94.2	24	62.3
BR 11630MZ1	kt	11	49.9		11	69.1 ***		10	11.4 ***	10	620 ***		10	94.4	11	61.9 *
LN 1276	kt	11	55.7 ***		11	67.0		10	10.9	10	614 ***		10	96.4	11	62.0
FAIRING	kt	6	52.0		6	67.0		5	11.6 ***	5	603 ***		5	94.4	6	61.5 **
SC 35 815N2	kt	6	46.1 ***		6	65.2 ***		5	10.3 o	5	553		5	93.7	6	62.1
AMBER	kt	8	49.9		8	68.2 o		8	11.5 ***	8	568 **		3	91.0		
NOS 19313-83	kt	10	52.9 **		10	66.9		9	10.5	9	609 ***		9	97.3	10	62.3
KWS SPECTRA	kt	11	49.3 *		11	65.6 ***		10	10.3 **	10	575 ***		10	90.1 *	11	62.2
NOS 19339-81	kt	6	50.1		6	64.9 ***		5	10.6	5	582 **		5	94.0	6	62.1
NOS 17263-55	kt	11	50.2		11	67.3		10	10.5	10	589 ***		10	92.2	11	63.0 ***
TREKKER	kt	20	50.0		19	68.1 *		19	10.9 o	19	585 ***		9	92.4	7	62.0
12742MZ23	kt	6	49.0 o		6	68.4 o		5	10.9	5	599 ***		5	93.4	6	62.4
PROPINO	kt	18	52.5 **		18	66.5 o		18	11.4 ***	18	570 ***		6	95.2		
AVALON	kt	11	52.5 **		11	66.4 o		10	10.8	10	602 ***		10	97.0	11	62.1
KWS 13/207	kt	6	48.8 *		6	66.4		5	10.4	5	616 ***		5	92.8	6	62.7 *
SW C11 0799	kt	6	50.6		6	66.9		5	10.5	5	583 **		5	93.2	6	62.3
CRESCENDO	kt	11	51.3		11	65.3 ***		10	10.5	10	613 ***		10	98.4 *	11	62.1
SJ 148214	kt	6	49.2		6	66.1 *		5	10.4	5	588 **		5	93.0	6	62.3
SOULMATE	kt	17	47.6 ***		17	67.0		16	10.5 o	16	582 ***		16	94.3	15	62.9 ***

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Barley, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Tjp g		kpl	Hlp kg		kpl	Valk.- %		kpl	Valk- sato		kpl	Täysjyvä- %		kpl	Tärkkelys %
Variety		trials	1000 seed weight g		trials	HI weight kg		trials	Prot. %		trials	Protein Yield		trials	Sieving %		trials	Starch %
NFC TIPPLE	kt =C	43	50.7		42	67.3		42	10.7		42	522		29	94.2		24	62.3
BOR 12037	kt	11	48.1 ***		11	68.1 o		10	11.8 ***		10	588 ***		10	96.5		11	61.3 ***
OVERTURE	kt	20	48.4 ***		19	66.3 **		19	10.7		19	556 **		9	95.3		7	62.5
KWS IRINA	kt	12	49.7		11	64.9 ***		12	10.8		12	546 o		7	92.7		4	61.6 *
FENNICA	kt	14	47.6 ***		14	66.6		13	10.7		13	592 ***		14	91.8		12	62.2
QUENCH	kt	8	47.5 ***		8	67.1		8	11.2 **		8	554 o		3	93.1			
PRUNELLA	kt	11	51.8 o		11	66.4 o		10	10.9		10	598 ***		10	92.9		11	61.8 **
SHANDY	kt	12	52.2 *		11	65.2 ***		12	10.5		12	558 *		7	94.2		4	61.9
HOBBS	kt	6	49.7		6	66.4		5	10.6		5	586 **		5	93.2		6	62.1
ODYSSEY	kt	11	50.6		11	67.1		10	10.5		10	570 **		10	94.8		11	62.6
SC 104-2A	kt	6	50.8		6	66.8		5	10.2 *		5	574 *		5	92.0		6	62.6
ORIGIN	kt	6	51.2		6	66.0 *		5	10.4		5	604 ***		5	94.1		6	62.2
PIPER	kt	11	51.2		11	65.8 ***		10	10.7		10	611 ***		10	94.7		11	61.8 *
OVATION	kt	6	50.0		6	64.6 ***		5	10.0 ***		5	577 **		5	92.5		6	62.3
DRAGOON	kt	6	52.5 *		6	65.4 **		5	10.4		5	604 ***		5	94.5		6	62.6
LAUREATE	kt	6	51.5		6	64.1 ***		5	10.6		5	607 ***		5	93.2		6	61.9 o

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike			Vyöhyke I			Vyöhyke II			Vyöhyke III		
			kpl	kg/ha	Suhde- luku	kpl	kg/ha	Suhde- luku	kpl	kg/ha	Suhde- luku
Variety			Zone I	Zone II	Zone III	Zone I	Zone II	Zone III	Zone I	Zone II	Zone III
			trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.
NFC TIPPLE	kt	=C	18	5842	100	16	5764	100	9	5717	100
VOITTO	mt					3	5736	100	3	4976	87 *
VERTTI	mt		3	5410	93 o	5	6453	112 **	4	5843	102
AUKUSTI	mt		7	5644	97	12	6347	110 **	14	6013	105
WOLMARI	mt		2	5137	88 o	8	6381	111 **	9	5952	104
TIRIL	mt					4	6084	106	5	5170	90 *
JALMARI	mt		2	5491	94	6	6258	109 *	8	5449	95
TRYM	mt		2	5772	99	6	5930	103	9	5831	102
VILDE	mt		18	4844	83 ***	20	5532	96	22	5682	99
BRAGE	mt		3	6202	106	5	6675	116 ***	8	5927	104
EINAR	mt					4	6511	113 **	4	5944	104
SEVERI	mt		3	5761	99	6	6090	106	7	6154	108 o
ALVARI	mt		3	5558	95	5	6877	119 ***	5	6729	118 ***
SWÅ 09077	kt		6	6203	106 o	3	6188	107	3	6641	116 **
SAANA	kt		5	5486	94 o	3	5279	92 o	2	5295	93
ELMERI	mt					4	7206	125 ***	5	5894	103
JUSTUS	mt		3	5817	100	6	6240	108 *	7	5989	105
EDVIN	mt					4	6471	112 **	4	5765	101
RAGNA	mt		2	5507	94	5	6570	114 ***	8	5964	104

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike			Vyöhyke I			Vyöhyke II			Vyöhyke III		
			kpl	kg/ha	Suhde- luku	kpl	kg/ha	Suhde- luku	kpl	kg/ha	Suhde- luku
Variety			trials	Zone I kg/ha	rel.	trials	Zone II kg/ha	rel.	trials	Zone III kg/ha	rel.
NFC TIPPLE	kt	=C	18	5842	100	16	5764	100	9	5717	100
EDEL	mt								4	5857	102
TORIA	mt		3	5853	100	6	6708	116 ***	11	6292	110 *
KAARLE	mt		4	6113	105	6	6814	118 ***	5	6824	119 ***
SW MITJA	kt		13	5932	102	7	6387	111 **	4	6012	105
VILGOTT	kt		9	5634	96	5	6148	107 o	3	5472	96
NOS 10004-81	kt		6	6372	109 **	3	6383	111 *	2	6195	108
BOR 10662	mt					2	7244	126 ***	2	7099	124 ***
SYDNEY	kt		4	6023	103	2	6729	117 **	2	6101	107
BOR 12015	kt		6	5569	95	3	5907	102	2	5667	99
LUHKAS	kt		9	6142	105 o	5	6600	115 ***	3	6273	110 o
NORD 12/2412	kt		3	6328	108 o	2	6792	118 **			
MARTHE	kt		8	5431	93 *	4	5880	102	4	5289	93
RUSALKA	kt		6	6621	113 ***	3	6749	117 ***	2	5683	99
BOR 12013	kt		6	5654	97	3	5768	100	2	5878	103
SALOME	kt		9	6380	109 **	3	6632	115 **	4	5587	98
STREIF	kt		9	6031	103	5	6572	114 ***	4	5994	105
CERBINETTA	kt		6	6098	104	4	6331	110 *	2	5273	92
EIFEL	kt		6	6407	110 **	4	6798	118 ***	2	6163	108

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike			Vyöhyke I	Suhde-		Vyöhyke II	Suhde-		Vyöhyke III	Suhde-
			kg/ha	luku		kg/ha	luku		kg/ha	luku
Variety		trials	Zone I	rel.		Zone II	rel.		Zone III	rel.
			kg/ha			kg/ha			kg/ha	
NFC TIPPLE	kt =C	18	5842	100		5764	100		5717	100
1182314	kt	3	6811	117 ***		7215	125 ***			
FORTUNA	kt	6	6362	109 **		6716	117 ***	2	5804	102
IRON	kt	15	6230	107 *		6675	116 ***	4	6022	105
POMPE	kt	7	6486	111 ***		7005	122 ***	3	6465	113 *
KWS HARRIS	kt	2	6513	111 *						
FAIRYTALE	kt	9	6074	104		6501	113 **	3	5969	104
BARKE	kt	4	5148	88 **		6014	104	2	5381	94
FABIOLA	kt	7	5991	103		6641	115 ***	2	5307	93
HARBINGER	kt	11	5617	96		6231	108 *	3	5586	98
GRACE	kt	10	6093	104		6576	114 ***	3	6004	105
MELIUS	kt	6	6323	108 *		6885	119 ***	2	6003	105
NORD 11/2412	kt	6	6469	111 **		6589	114 **	2	6137	107
SC 22-8C	kt	3	6549	112 **		6280	109			
TOCADA	kt	5	5669	97		6532	113 **	2	6199	108
BR10115D2	kt	9	6571	112 ***		6687	116 ***	3	6463	113 *
MILFORD	kt	6	6049	104		6282	109 *	2	5672	99
RGT PLANET	kt	7	6477	111 ***		6735	117 ***	2	6897	121 ***
GESINE	kt	7	6125	105		6111	106	2	5651	99

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike			Vyöhyke I kg/ha	Suhde- luku		Vyöhyke II kg/ha	Suhde- luku		Vyöhyke III kg/ha	Suhde- luku
Variety	kt	trials	Zone I kg/ha	rel.		Zone II kg/ha	rel.		Zone III kg/ha	rel.
NFC TIPPLE	kt =C	18	5842	100		5764	100		5717	100
BR 11630MZ1	kt	6	6179	106 o		6628	115 **		6141	107
LN 1276	kt	6	6549	112 ***		6749	117 ***		6679	117 **
FAIRING	kt	3	5926	101		6248	108			
SC 35 815N2	kt	3	6190	106		6587	114 *			
AMBER	kt	4	5580	96		6518	113 *		5598	98
NOS 19313-83	kt	6	6656	114 ***		7127	124 ***		7013	123 ***
KWS SPECTRA	kt	6	6345	109 **		7101	123 ***		6506	114 *
NOS 19339-81	kt	3	6611	113 **		6704	116 **			
NOS 17263-55	kt	6	6339	109 *		6998	121 ***		6889	121 **
TREKKER	kt	12	6238	107 **		6720	117 ***		5534	97
12742MZ23	kt	3	6165	106		7024	122 ***			
PROPINO	kt	10	5801	99		6303	109 *		5606	98
AVALON	kt	6	6375	109 **		6998	121 ***		6313	110 o
KWS 13/207	kt	3	6944	119 ***		6952	121 ***			
SW C11 0799	kt	3	6045	103		7117	123 ***			
CRESCENDO	kt	6	6738	115 ***		7365	128 ***		6805	119 **
SJ 148214	kt	3	6747	115 ***		6786	118 **			
SOULMATE	kt	9	6420	110 ***		6759	117 ***		6438	113 *

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike		Vyöhyke I			Vyöhyke II			Vyöhyke III		
		kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku
Variety		trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.
NFC TIPPLE	kt =C	18	5842	100	16	5764	100	9	5717	100
BOR 12037	kt	6	5807	99	3	5910	103	2	5350	94
OVERTURE	kt	12	6215	106 *	6	6538	113 ***	2	4887	85 *
KWS IRINA	kt	6	6089	104	4	6265	109 *	2	4990	87 *
FENNICA	kt	8	6471	111 ***	4	6765	117 ***	2	6175	108
QUENCH	kt	4	5754	98	2	6384	111 o	2	5435	95
PRUNELLA	kt	6	6069	104	3	7068	123 ***	2	6509	114 *
SHANDY	kt	6	6351	109 **	4	6504	113 **	2	5457	95
HOBBS	kt	3	6617	113 **	2	6503	113 *			
ODYSSEY	kt	6	6076	104	3	6946	121 ***	2	6123	107
SC 104-2A	kt	3	6488	111 *	2	6948	121 ***			
ORIGIN	kt	3	6852	117 ***	2	7256	126 ***			
PIPER	kt	6	6615	113 ***	3	6884	119 ***	2	6497	114 *
OVATION	kt	3	6937	119 ***	2	7194	125 ***			
DRAGOON	kt	3	7195	123 ***	2	7093	123 ***			
LAUREATE	kt	3	6951	119 ***	2	7260	126 ***			

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vuosittain

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to years

Lajike			Vuosi 2012 kg/ha	Suhde- luku		kpl	Vuosi 2013 kg/ha	Suhde- luku		kpl	Vuosi 2014 kg/ha	Suhde- luku		kpl	Vuosi 2015 kg/ha	Suhde- luku		
Variety			Year 2012 kg/ha	rel.		trials	Year 2013 kg/ha	rel.		trials	Year 2014 kg/ha	rel.		trials	Year 2015 kg/ha	rel.		
NFC TIPPLE	kt	=C	8	4785	100	8	6051	100		9	5961	100		10	6292	100		
VERTTI	mt					6	5797	96		7	5986	100		3	6230	99		
AUKUSTI	mt		2	5941	124	**	3	5867	97	11	5594	94	o	6	7082	113	**	
WOLMARI	mt		2	5675	119	*	3	5979	99									
JALMARI	mt		2	5522	115	o	3	5722	95									
TRYM	mt						3	6105	101					3	5586	89	*	
VILDE	mt		10	5329	111	*	10	5227	86	***	12	5404	91	**	12	5578	89	***
SEVERI	mt		7	5827	122	***	3	6430	106		3	5633	94					
ALVARI	mt		7	6212	130	***				7	6326	106		3	6833	109	o	
SWÅ 09077	kt									6	6592	111	**	7	6916	110	**	
SAANA	kt									5	5703	96		2	6767	108		
JUSTUS	mt		7	5668	118	***	3	5766	95		3	5893	99					
RAGNA	mt													3	5727	91	o	
KAARLE	mt		7	6408	134	***	6	6213	103		3	6458	108	o	3	6995	111	*
SW MITJA	kt									6	5931	100		5	6939	110	*	
VILGOTT	kt						7	6246	103		6	5698	96		6	6246	99	
NOS 10004-81	kt									5	6566	110	*	6	7108	113	***	
BOR 10662	mt													6	7174	114	***	
SYDNEY	kt									5	6358	107		3	7091	113	**	

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Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to years

Lajike	kpl	Vuosi	Suhde-	kpl	Vuosi	Suhde-	kpl	Vuosi	Suhde-	kpl	Vuosi	Suhde-	
		2012	luku		2013	luku		2014	luku		2015	luku	
Variety	trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.	
NFC TIPPLE	kt =C	8	4785	100	8	6051	100	9	5961	100	10	6292	100
BOR 12015	kt							5	5822	98	6	6510	103
LUHKAS	kt				6	6221	103	5	6304	106	6	7440	118 ***
NORD 12/2412	kt										6	7327	116 ***
RUSALKA	kt				6	6483	107 *	5	6801	114 ***			
BOR 12013	kt							5	5771	97	6	6639	106
SALOME	kt	7	5661	118 ***	2	6548	108 o						
CERBINETTA	kt	6	5427	113 *	6	6202	103						
EIFEL	kt				6	6493	107 *	5	6708	113 **			
1182314	kt										6	7708	123 ***
FORTUNA	kt				6	6312	104	5	6725	113 **			
IRON	kt	6	5678	119 ***									
POMPE	kt				6	6787	112 ***	5	6835	115 ***	2	7178	114 *
KWS HARRIS	kt										3	7410	118 ***
FABIOLA	kt				6	6260	103	5	6063	102	2	7141	113 *
HARBINGER	kt	2	5332	111									
MELIUS	kt	6	5888	123 ***	6	6578	109 **						
NORD 11/2412	kt							5	6648	112 **	6	7220	115 ***
SC 22-8C	kt										6	7142	113 ***

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Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to years

Lajike		Vuosi 2012			Vuosi 2013			Vuosi 2014			Vuosi 2015		
		kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku
Variety		Year 2012 trials	kg/ha	rel.	Year 2013 trials	kg/ha	rel.	Year 2014 trials	kg/ha	rel.	Year 2015 trials	kg/ha	rel.
NFC TIPPLE	kt =C	8	4785	100	8	6051	100	9	5961	100	10	6292	100
BR10115D2	kt				6	6350	105 o	5	6923	116 ***	6	7607	121 ***
MILFORD	kt	6	5506	115 **	6	6174	102						
RGT PLANET	kt							5	6893	116 ***	6	7380	117 ***
GESINE	kt				6	6234	103	5	6131	103			
BR 11630MZ1	kt							5	6634	111 **	6	6963	111 **
LN 1276	kt							5	6663	112 **	6	7548	120 ***
FAIRING	kt										6	6835	109 *
SC 35 815N2	kt										6	6982	111 **
NOS 19313-83	kt							5	6888	116 ***	6	7768	123 ***
KWS SPECTRA	kt							5	6696	112 **	6	7434	118 ***
NOS 19339-81	kt										6	7317	116 ***
NOS 17263-55	kt							5	6650	112 **	6	7544	120 ***
TREKKER	kt	6	5391	113 *	2	6700	111 *	2	6799	114 *	3	7312	116 ***
12742MZ23	kt										6	7248	115 ***
AVALON	kt							5	6593	111 **	6	7434	118 ***
KWS 13/207	kt										6	7825	124 ***
SW C11 0799	kt										6	7273	116 ***
CRESCENDO	kt							5	6993	117 ***	6	7812	124 ***

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Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to years

Lajike		Vuosi 2012			Vuosi 2013			Vuosi 2014			Vuosi 2015		
		kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku
Variety		Year 2012 trials	kg/ha	rel.	Year 2013 trials	kg/ha	rel.	Year 2014 trials	kg/ha	rel.	Year 2015 trials	kg/ha	rel.
NFC TIPPLE	kt =C	8	4785	100	8	6051	100	9	5961	100	10	6292	100
SJ 148214	kt										6	7553	120 ***
SOULMATE	kt				6	6701	111 ***	5	6480	109 *	6	7445	118 ***
BOR 12037	kt							5	5904	99	6	6576	105
OVERTURE	kt	6	5434	114 *	2	6456	107	2	5990	100	3	7715	123 ***
KWS IRINA	kt	6	5405	113 *	6	6076	100						
FENNICA	kt				6	6513	108 **	5	6800	114 ***	3	7364	117 ***
PRUNELLA	kt							5	6437	108 o	6	7359	117 ***
SHANDY	kt	6	5553	116 **	6	6504	107 *						
ODYSSEY	kt							5	6432	108 o	6	7181	114 ***
SC 104-2A	kt										6	7431	118 ***
ORIGIN	kt										6	7770	123 ***
PIPER	kt							5	7061	118 ***	6	7289	116 ***
OVATION	kt										6	7740	123 ***
DRAGOON	kt										6	7770	123 ***
LAUREATE	kt										6	7591	121 ***

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu maajeittain

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike	Karkeat kiv.			Savimaat			Multamaat			Liejusavi		
	kpl	maat kg/ha	Suhde-luku	kpl	kg/ha	luku	kpl	kg/h	luku	kpl	kg/ha	Suhde-luku
Variety	trials	Coarse m- neral kg/ha	rel.	trials	Clay kg/ha	rel.	trials	Mould kg/ha	rel.	trials	Gyttja clay kg/ha	rel.
NFC TIPPLE kt =C	6	5620	100	31	5744	100	6	5301	100	5	3509	100
VOITTO mt	4	5365	95	4	4736	82 ***	3	5461	103			
VERTTI mt	5	5740	102	5	5409	94	6	6301	119 **			
AUKUSTI mt	19	5852	104	11	5668	99	14	6085	115 **	4	4604	131 **
WOLMARI mt	13	5917	105	5	5233	91 *	9	6129	116 **	3	4683	133 **
TIRIL mt	10	5554	99	4	4885	85 ***						
JALMARI mt	9	5659	101	6	5442	95	7	5848	110 o	3	4826	138 **
TRYM mt	9	5742	102	8	5847	102	7	5817	110	2	5301	151 ***
VILDE mt	23	5543	99	36	5091	89 ***	14	5429	102	5	4945	141 ***
BRAGE mt	9	6023	107 o	6	5889	103	6	6425	121 **	3	4849	138 **
EINAR mt	3	5658	101	4	5656	98	4	6237	118 *	2	5177	148 ***
SEVERI mt	10	6016	107 o	5	6004	105	6	5852	110 o	2	5016	143 **
ALVARI mt	6	6412	114 ***	5	6159	107 *	6	6576	124 ***	2	5580	159 ***
SWÅ 09077 kt	4	6529	116 ***	9	6116	106 *						
SAANA kt	2	5557	99	8	5238	91 **						
ELMERI mt	3	5731	102	4	5498	96	5	6876	130 ***			
JUSTUS mt	10	5850	104	5	6048	105	6	5937	112 *	2	4097	117
EDVIN mt	3	5410	96	4	5477	95	4	6197	117 *	2	3403	97
RAGNA mt	8	5790	103	6	5810	101	6	6185	117 **	2	4793	137 **

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Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike			Karkeat kiv. Suhde-			Savimaat Suhde-			Multamaat Suhde-			Liejusavi Suhde-		
Variety			kpl	maat kg/ha	luku	kpl	kg/ha	luku	kpl	kg/h	luku	kpl	kg/ha	luku
Variety			trials	Coarse mi- neral kg/ha	rel.	trials	Clay kg/ha	rel.	trials	Mould kg/ha	rel.	trials	Gyttja clay kg/ha	rel.
NFC TIPPLE	kt	=C	6	5620	100	31	5744	100	6	5301	100	5	3509	100
EDEL	mt					4	5569	97						
TORIA	mt		10	6463	115 ***	8	5998	104	8	6359	120 **	3	5947	169 ***
KAARLE	mt		6	6472	115 ***	7	6442	112 ***	6	6383	120 ***	2	5319	152 ***
SW MITJA	kt		6	5921	105	20	5948	104				3	3984	114
VILGOTT	kt		4	5708	102	15	5640	98				2	4169	119
NOS 10004-81	kt		2	6214	111 o	9	6270	109 **						
BOR 10662	mt		2	7488	133 ***	2	5647	98	2	6998	132 ***			
SYDNEY	kt		2	6588	117 **	6	6026	105						
BOR 12015	kt		2	5766	103	9	5558	97						
LUHKAS	kt		2	6347	113 *	15	6194	108 ***				2	3362	96
NORD 12/2412	kt					6	6369	111 **						
MARTHE	kt					16	5408	94 *				2	2758	79
RUSALKA	kt		2	6474	115 *	9	6424	112 ***				2	3356	96
BOR 12013	kt		2	5607	100	9	5651	98						
SALOME	kt		3	5964	106	13	6233	109 ***				2	2876	82
STREIF	kt					17	6034	105 *				3	4449	127 *
CERBINETTA	kt		2	5955	106	10	5942	103				2	3252	93
EIFEL	kt		2	6804	121 ***	10	6337	110 ***				2	4811	137 **

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Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike			kpl	Karkeat kiv. maat kg/ha	Suhde- luku		kpl	Savimaat kg/ha	Suhde- luku		kpl	Liejusavi kg/ha	Suhde- luku
Variety			trials	Coarse mineral kg/ha	rel.		trials	Clay kg/ha	rel.		trials	Gyttja clay kg/ha	rel.
NFC TIPPLE	kt	=C	6	5620	100		31	5744	100		5	3509	100
1182314	kt						6	6750	118 ***				
FORTUNA	kt		2	6528	116 **		9	6256	109 **		2	3355	96
IRON	kt		5	6262	111 *		22	6207	108 ***		4	3645	104
POMPE	kt		2	6840	122 ***		11	6502	113 ***		2	4232	121
KWS HARRIS	kt						3	6450	112 **				
FAIRYTALE	kt						16	6073	106 *		3	3186	91
BARKE	kt		2	5683	101		8	5299	92 *				
FABIOLA	kt		2	6172	110 o		11	5977	104		2	4103	117
HARBINGER	kt		2	5952	106		18	5623	98		3	3995	114
GRACE	kt		2	6180	110		16	6090	106 *		3	3348	95
MELIUS	kt		2	6581	117 **		10	6319	110 ***		2	3767	107
NORD 11/2412	kt		2	6345	113 *		9	6361	111 ***				
SC 22-8C	kt						6	6183	108 *				
TOCADA	kt						10	5900	103				
BR10115D2	kt		2	6813	121 ***		15	6456	112 ***		2	4037	115
MILFORD	kt		2	6055	108		10	5953	104		2	3514	100
RGT PLANET	kt		2	7102	126 ***		10	6418	112 ***				
GESINE	kt		2	5635	100		10	6061	106 *		2	3652	104

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Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike			Karkeat kiv. maat kg/ha	Suhde- luku		kpl	Savimaat kg/ha	Suhde- luku		kpl	Liejusavi kg/ha	Suhde- luku
Variety			Coarse mineral kg/ha	rel.		trials	Clay kg/ha	rel.		trials	Gyttja clay kg/ha	rel.
NFC TIPPLE	kt	=C	5620	100		6	5744	100		5	3509	100
BR 11630MZ1	kt		6444	115	*	2	6160	107	**			
LN 1276	kt		6613	118	**	2	6529	114	***			
FAIRING	kt						5876	102				
SC 35 815N2	kt						6023	105				
AMBER	kt						5706	99		2	3558	101
NOS 19313-83	kt		7233	129	***	2	6663	116	***			
KWS SPECTRA	kt		6972	124	***	2	6392	111	***			
NOS 19339-81	kt						6358	111	**			
NOS 17263-55	kt		6899	123	***	2	6455	112	***			
TREKKER	kt		6212	111	*	3	6193	108	***	2	3682	105
12742MZ23	kt						6290	110	**			
PROPINO	kt		6228	111	o	2	5742	100		3	3617	103
AVALON	kt		6447	115	*	2	6451	112	***			
KWS 13/207	kt						6867	120	***			
SW C11 0799	kt						6315	110	**			
CRESCENDO	kt		7075	126	***	2	6786	118	***			
SJ 148214	kt						6595	115	***			
SOULMATE	kt		6512	116	**	2	6424	112	***	2	4091	117

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Lajike		kpl	Karkeat kiv. maat kg/ha	Suhde- luku		kpl	Savimaat kg/ha	Suhde- luku		kpl	Liejusavi kg/ha	Suhde- luku
Variety		trials	Coarse mineral - kg/ha	rel.		trials	Clay kg/ha	rel.		trials	Gyttja clay kg/ha	rel.
NFC TIPPLE	kt =C	6	5620	100		31	5744	100		5	3509	100
BOR 12037	kt	2	5795	103		9	5642	98				
OVERTURE	kt	3	6067	108		17	6062	106 *		2	3551	101
KWS IRINA	kt	2	6049	108		10	5834	102		2	4417	126 o
FENNICA	kt	2	6620	118 **		12	6406	112 ***		2	4094	117
QUENCH	kt					8	5731	100		2	3064	87
PRUNELLA	kt	2	6750	120 ***		9	6247	109 **				
SHANDY	kt	2	6128	109		10	6164	107 **		2	3740	107
HOBBS	kt					6	6417	112 ***				
ODYSSEY	kt	2	6692	119 **		9	6138	107 *				
SC 104-2A	kt					6	6473	113 ***				
ORIGIN	kt					6	6812	119 ***				
PIPER	kt	2	7046	125 ***		9	6481	113 ***				
OVATION	kt					6	6781	118 ***				
DRAGOON	kt					6	6812	119 ***				
LAUREATE	kt					6	6633	115 ***				

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Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to crop yields

Lajike			kpl	Alhainen satotaso kg/ha	Suhde- luku	kpl	Keskimääräinen satotaso kg/ha	Suhde- luku	kpl	Korkea satotaso kg/ha	Suhde- luku
Variety			trials	Low yield kg/ha	rel.	trials	Medium yield kg/ha	rel.	trials	High yield kg/ha	rel.
NFC TIPPLE	kt	=C	11	4569	100	12	5796	100	20	6668	100
VOITTO	mt		2	4008	88	3	5292	91	6	6182	93
VERTTI	mt		6	5063	111	7	5882	101	3	6556	98
AUKUSTI	mt		12	4717	103	15	6068	105	17	6802	102
WOLMARI	mt		7	4686	103	8	5963	103	12	6809	102
TIRIL	mt		4	4179	91	6	5562	96	5	6559	98
JALMARI	mt		10	4595	101	7	5870	101	5	6426	96
TRYM	mt		10	4731	104	7	5825	100	7	6727	101
VILDE	mt		23	4226	93	25	5479	95	25	6215	93
BRAGE	mt		6	4979	109	4	5994	103	11	7131	107
EINAR	mt		3	4736	104	2	6038	104	6	6885	103
SEVERI	mt		10	4835	106	8	6085	105	3	6977	105
ALVARI	mt		7	5437	119	7	6556	113	3	7113	107
SWÅ 09077	kt					5	6748	116	8	7022	105
SAANA	kt					4	5455	94	6	6297	94
ELMERI	mt		4	5301	116	2	5732	99	6	7106	107
JUSTUS	mt		10	4850	106	8	5939	102	3	7008	105
EDVIN	mt		3	4688	103	2	5723	99	6	6744	101
RAGNA	mt		9	4820	105	5	5720	99	6	7095	106

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Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to crop yields

Lajike			kpl	Alhainen satotaso kg/ha	Suhde- luku	kpl	Keskimääräinen satotaso kg/ha	Suhde- luku	kpl	Korkea satotaso kg/ha	Suhde- luku
Variety			trials	Low yield kg/ha	rel.	trials	Medium yield kg/ha	rel.	trials	High yield kg/ha	rel.
NFC TIPPLE	kt	=C	11	4569	100	12	5796	100	20	6668	100
EDEL	mt		2	4277	94						
TORIA	mt		11	5185	113 **	4	6512	112 **	11	7184	108 **
KAARLE	mt		5	5459	119 ***	9	6511	112 ***	5	7423	111 ***
SW MITJA	kt		5	4856	106	14	6075	105	7	6860	103
VILGOTT	kt		2	5118	112	6	5821	100	11	6532	98
NOS 10004-81	kt					3	6580	114 **	8	7229	108 **
BOR 10662	mt					3	7228	125 ***	2	7531	113 **
SYDNEY	kt					2	6305	109	6	7177	108 *
BOR 12015	kt					3	5738	99	8	6632	99
LUHKAS	kt		2	4747	104	4	6492	112 **	11	7234	108 ***
NORD 12/2412	kt					2	6671	115 **	4	7411	111 **
MARTHE	kt		4	4382	96	9	5356	92 *	3	6942	104
RUSALKA	kt		2	4724	103	2	6611	114 *	7	7538	113 ***
BOR 12013	kt					3	5910	102	8	6632	99
SALOME	kt		5	4913	108	6	6315	109 *	5	7186	108 *
STREIF	kt		6	4755	104	8	6325	109 **	4	7173	108 o
CERBINETTA	kt		5	4422	97	2	6275	108	5	7133	107 *
EIFEL	kt		2	5228	114 o	2	6429	111 o	8	7426	111 ***

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu satotason mukaan

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to crop yields

Lajike		kpl	Alhainen satotaso kg/ha	Suhde- luku		kpl	Keskimääräinen satotaso kg/ha	Suhde- luku		kpl	Korkea satotaso kg/ha	Suhde- luku
Variety		trials	Low yield kg/ha	rel.		trials	Medium yield kg/ha	rel.		trials	High yield kg/ha	rel.
NFC TIPPLE	kt =C	11	4569	100		12	5796	100		20	6668	100
1182314	kt					2	7060	122 ***		4	7788	117 ***
FORTUNA	kt	2	4881	107		2	6562	113 *		7	7306	110 ***
IRON	kt	9	4961	109 o		12	6393	110 **		6	7290	109 **
POMPE	kt	2	5071	111		3	6626	114 **		8	7647	115 ***
KWS HARRIS	kt									2	7545	113 **
FAIRYTALE	kt	6	4874	107		7	6064	105		4	7446	112 **
BARKE	kt	3	4111	90		4	5425	94		3	6688	100
FABIOLA	kt	2	4311	94		2	5949	103		9	7156	107 **
HARBINGER	kt	7	4540	99		7	5748	99		6	6781	102
GRACE	kt	5	4772	104		9	6289	109 *		4	7343	110 *
MELIUS	kt	5	4975	109		2	6389	110 o		5	7539	113 ***
NORD 11/2412	kt					3	6483	112 *		8	7401	111 ***
SC 22-8C	kt					2	6267	108		4	7335	110 **
TOCADA	kt	3	4563	100		4	5903	102		3	7377	111 *
BR10115D2	kt	2	4701	103		4	6751	116 ***		11	7591	114 ***
MILFORD	kt	5	4535	99		2	5989	103		5	7197	108 *
RGT PLANET	kt					3	6453	111 *		9	7650	115 ***
GESINE	kt	2	4542	99		2	5938	102		8	7084	106 *

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Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to crop yields

Lajike			kpl	Alhainen satotaso kg/ha	Suhde- luku	kpl	Keskimääräinen satotaso kg/ha	Suhde- luku	kpl	Korkea satotaso kg/ha	Suhde- luku
Variety			trials	Low yield kg/ha	rel.	trials	Medium yield kg/ha	rel.	trials	High yield kg/ha	rel.
NFC TIPPLE	kt	=C	11	4569	100	12	5796	100	20	6668	100
BR 11630MZ1	kt					3	6521	113 **	8	7185	108 **
LN 1276	kt					3	6913	119 ***	8	7495	112 ***
FAIRING	kt					2	6226	107	4	6895	103
SC 35 815N2	kt					2	5898	102	4	7279	109 **
AMBER	kt		3	4656	102	3	5821	100	2	6769	102
NOS 19313-83	kt					3	6948	120 ***	8	7788	117 ***
KWS SPECTRA	kt					3	6720	116 **	8	7503	113 ***
NOS 19339-81	kt					2	6257	108	4	7602	114 ***
NOS 17263-55	kt					3	6888	119 ***	8	7493	112 ***
TREKKER	kt		4	4563	100	10	6396	110 **	6	7385	111 ***
12742MZ23	kt					2	6667	115 **	4	7295	109 **
PROPINO	kt		5	4470	98	9	5932	102	4	7155	107 o
AVALON	kt					3	6681	115 **	8	7453	112 ***
KWS 13/207	kt					2	7277	126 ***	4	7855	118 ***
SW C11 0799	kt					2	6788	117 **	4	7271	109 *
CRESCENDO	kt					3	6917	119 ***	8	7898	118 ***
SJ 148214	kt					2	6584	114 *	4	7794	117 ***
SOULMATE	kt		2	5154	113	4	6798	117 ***	11	7394	111 ***

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu satotason mukaan

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to crop yields

Lajike		kpl	Alhainen satotaso kg/ha	Suhde- luku	kpl	Keskimääräinen satotaso kg/ha	Suhde- luku	kpl	Korkea satotaso kg/ha	Suhde- luku
Variety		trials	Low yield kg/ha	rel.	trials	Medium yield kg/ha	rel.	trials	High yield kg/ha	rel.
NFC TIPPLE	kt =C	11	4569	100	12	5796	100	20	6668	100
BOR 12037	kt				3	5523	95	8	6814	102
OVERTURE	kt	4	4383	96	10	6131	106 o	6	7504	113 ***
KWS IRINA	kt	5	4316	94	2	5906	102	5	7209	108 *
FENNICA	kt	2	4840	106	3	6485	112 *	9	7560	113 ***
QUENCH	kt	2	4587	100	3	5734	99	3	7022	105
PRUNELLA	kt				3	6776	117 ***	8	7264	109 **
SHANDY	kt	5	4702	103	2	6215	107	5	7392	111 ***
HOBBS	kt				2	6657	115 **	4	7490	112 ***
ODYSSEY	kt				3	6608	114 **	8	7190	108 **
SC 104-2A	kt				2	6676	115 **	4	7565	113 ***
ORIGIN	kt				2	7264	125 ***	4	7779	117 ***
PIPER	kt				3	6428	111 *	8	7732	116 ***
OVATION	kt				2	6671	115 **	4	8030	120 ***
DRAGOON	kt				2	6787	117 **	4	8017	120 ***
LAUREATE	kt				2	6435	111 o	4	7925	119 ***

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Barley, Official variety trials 2008 – 2015, Estimated variety means

Lajike			kpl	Sato kg/ha	Sato- ero	Suhde- luku		kpl	Kasvuaika pv		kpl	Lako- %		kpl	Pituus cm
Variety			trials	Yield kg/ha	Yield difference	rel.		trials	Growing time d		trials	Lodging %		trials	Length cm
AUKUSTI	mt	=C	44	5897	0	100		43	85		22	20		44	84
VOITTO	mt		11	5215	-682	88	***	10	85		6	17		10	81 **
VERTTI	mt		16	5904	7	100		15	85		5	8 *		16	72 ***
WOLMARI	mt		27	5864	-32	99		27	86		13	18		27	76 ***
TIRIL	mt		15	5479	-417	93	**	15	86 o		8	11 o		15	78 ***
JALMARI	mt		22	5698	-198	97	o	20	87 **		11	18		21	77 ***
TRYM	mt		24	5826	-70	99		22	88 ***		13	20		23	82 *
VILDE	mt		73	5372	-524	91	***	70	89 ***		39	7 ***		72	74 ***
BRAGE	mt		21	6121	224	104	o	21	89 ***		11	12 *		21	81 **
EINAR	mt		11	5905	8	100		11	90 ***		7	10 *		11	81 **
SEVERI	mt		21	6005	108	102		19	90 ***		11	16		21	78 ***
ALVARI	mt		17	6458	561	110	***	16	90 ***		8	12 o		17	87 ***
SWÅ 09077	kt		13	6331	434	107	**	13	90 ***		8	13		13	81 **
SAANA	kt		10	5392	-504	91	**	10	91 ***		6	10 o		10	71 ***
ELMERI	mt		12	6141	244	104	o	12	91 ***		7	7 **		12	75 ***
JUSTUS	mt		21	5961	64	101		19	91 ***		11	17		21	82 *
EDVIN	mt		11	5758	-138	98		11	92 ***		7	28 o		11	82 *
RAGNA	mt		20	5936	39	101		18	92 ***		12	3 ***		19	80 ***
EDEL	mt		4	5896	0	100		4	93 ***		3	7 *		4	82

kt = kaksitahoinen ohra / two row barley

mt = monitahoinen ohra / six row barley

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Barley, Official variety trials 2008 – 2015, Estimated variety means

Lajike			kpl	Sato kg/ha	Sato- ero	Suhde- luku		kpl	Kasvuaika pv		kpl	Lako- %		kpl	Pituus cm
Variety			trials	Yield kg/ha	Yield difference	rel.		trials	Growing time d		trials	Lodging %		trials	Length cm
AUKUSTI	mt	=C	44	5897	0	100		43	85		22	20		44	84
TORIA	mt		26	6310	413	107	***	24	93	***	14	18		25	77
KAARLE	mt		19	6511	614	110	***	18	93	***	8	8	**	19	81
SW MITJA	kt		26	6041	144	102		26	93	***	16	13	o	26	74
VILGOTT	kt		19	5768	-128	98		19	93	***	10	9	*	19	64
NOS 10004-81	kt		11	6375	477	108	**	11	93	***	6	13		11	73
BOR 10662	mt		6	6759	862	115	***	6	93	***	3	6	*	6	81
SYDNEY	kt		8	6265	367	106	*	8	93	***	4	7	*	8	65
BOR 12015	kt		11	5710	-186	97		11	93	***	6	1	***	11	69
LUHKAS	kt		17	6334	437	107	**	17	93	***	9	7	**	17	68
NORD 12/2412	kt		6	6528	631	111	**	6	94	***	3	5	*	6	68
MARTHE	kt		16	5518	-379	94	**	16	94	***	9	17		16	70
RUSALKA	kt		11	6535	638	111	***	11	94	***	6	12		11	67
BOR 12013	kt		11	5757	-139	98		11	94	***	6	2	***	11	67
SALOME	kt		16	6292	395	107	**	16	94	***	12	13		16	66
STREIF	kt		18	6159	262	104	o	18	94	***	10	13		18	70
CERBINETTA	kt		12	6059	162	103		12	95	***	6	10	*	12	68
EIFEL	kt		12	6522	625	111	***	12	95	***	6	16		12	73
1182314	kt		6	6910	1012	117	***	6	95	***	3	7	o	6	74

kt = kaksitahoinen ohra / two row barley

mt = monitahoinen ohra / six row barley

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Barley, Official variety trials 2008 – 2015, Estimated variety means

Lajike			kpl	Sato kg/ha	Sato- ero	Suhde- luku		kpl	Kasvuaika pv		kpl	Lako- %		kpl	Pituus cm
Variety			trials	Yield kg/ha	Yield difference	rel.		trials	Growing time d		trials	Lodging %		trials	Length cm
AUKUSTI	mt	=C	44	5897	0	100		43	85		22	20		44	84
FORTUNA	kt		11	6407	510	109	**	11	95	***	6	11	o	11	66
IRON	kt		27	6311	414	107	***	27	95	***	12	8	**	27	71
POMPE	kt		13	6665	768	113	***	13	95	***	8	18		13	68
KWS HARRIS	kt		3	6609	712	112	**	3	95	***	2	10		3	72
FAIRYTALE	kt		17	6144	246	104	o	17	95	***	8	15		17	74
BARKE	kt		10	5451	-445	92	**	10	96	***	4	10		10	75
FABIOLA	kt		13	6118	221	104		13	96	***	6	10	o	13	68
HARBINGER	kt		20	5759	-137	98		20	96	***	10	4	***	20	70
GRACE	kt		18	6194	297	105	*	18	96	***	8	20		18	72
MELIUS	kt		12	6477	580	110	***	12	96	***	6	9	*	12	68
NORD 11/2412	kt		11	6473	576	110	***	11	96	***	6	8	*	11	71
SC 22-8C	kt		6	6343	446	108	*	6	96	***	3	17		6	70
TOCADA	kt		10	6001	104	102		10	96	***	3	10		10	74
BR10115D2	kt		17	6620	723	112	***	17	96	***	9	16		17	69
MILFORD	kt		12	6085	188	103		12	96	***	6	14		12	65
RGT PLANET	kt		12	6649	752	113	***	12	96	***	7	10	*	12	69
GESINE	kt		12	6097	200	103		12	96	***	7	4	***	12	69
BR 11630MZ1	kt		11	6326	429	107	**	11	96	***	6	9	*	11	75

kt = kaksitahoinen ohra / two row barley

mt = monitahoinen ohra / six row barley

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Barley, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Sato kg/ha	Sato- ero	Suhde- luku		kpl	Kasvuaika pv		kpl	Lako- %		kpl	Pituus cm
Variety		trials	Yield kg/ha	Yield difference	rel.		trials	Growing time d		trials	Lodging %		trials	Length cm
AUKUSTI	mt =C	44	5897	0	100		43	85		22	20		44	84
LN 1276	kt	11	6659	762	113 ***		11	96 ***		6	11 o		11	71 ***
FAIRING	kt	6	6036	139	102		6	96 ***		3	8 o		6	72 ***
SC 35 815N2	kt	6	6183	286	105		6	96 ***		3	22		6	70 ***
AMBER	kt	8	5816	-80	99		8	96 ***		3	8 o		8	73 ***
NOS 19313-83	kt	11	6881	984	117 ***		11	96 ***		6	33 **		11	75 ***
KWS SPECTRA	kt	11	6612	715	112 ***		11	96 ***		6	8 *		11	68 ***
NOS 19339-81	kt	6	6518	621	111 **		6	96 ***		3	18		6	68 ***
NOS 17263-55	kt	11	6650	753	113 ***		11	96 ***		6	32 *		11	68 ***
TREKKER	kt	20	6316	419	107 **		20	97 ***		12	17		20	70 ***
12742MZ23	kt	6	6450	553	109 **		6	97 ***		3	15		6	72 ***
PROPINO	kt	18	5890	-7	100		18	97 ***		8	9 *		18	76 ***
AVALON	kt	11	6565	668	111 ***		11	97 ***		6	7 *		11	71 ***
KWS 13/207	kt	6	7027	1130	119 ***		6	97 ***		3	11		6	66 ***
SW C11 0799	kt	6	6475	577	110 **		6	97 ***		3	11		6	75 ***
CRESCENDO	kt	11	6953	1056	118 ***		11	97 ***		6	14		11	79 ***
SJ 148214	kt	6	6755	858	115 ***		6	97 ***		3	10		6	64 ***
SOULMATE	kt	17	6557	660	111 ***		17	97 ***		9	10 *		17	63 ***
BOR 12037	kt	11	5784	-112	98		11	97 ***		6	5 **		11	67 ***

kt = kaksitahoinen ohra / two row barley

mt = monitahoinen ohra / six row barley

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Barley, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Sato kg/ha	Sato- ero	Suhde- luku		kpl	Kasvuaika pv		kpl	Lako- %		kpl	Pituus cm
Variety		trials	Yield kg/ha	Yield difference	rel.		trials	Growing time d		trials	Lodging %		trials	Length cm
AUKUSTI	mt =C	44	5897	0	100		43	85		22	20		44	84
OVERTURE	kt	20	6183	286	105 *		20	97 ***		12	16		20	72 ***
KWS IRINA	kt	12	5985	88	101		12	97 ***		6	8 *		12	65 ***
FENNICA	kt	14	6551	654	111 ***		14	98 ***		8	6 **		14	68 ***
NFC TIPPLE	kt	43	5763	-133	98		42	98 ***		19	7 ***		43	68 ***
QUENCH	kt	8	5830	-66	99		8	98 ***		2	5 o		8	71 ***
PRUNELLA	kt	11	6453	556	109 ***		11	98 ***		6	8 *		11	74 ***
SHANDY	kt	12	6273	376	106 *		12	98 ***		6	8 *		12	65 ***
HOBBS	kt	6	6577	680	112 ***		6	98 ***		3	14		6	64 ***
ODYSSEY	kt	11	6353	456	108 **		11	99 ***		6	26		11	67 ***
SC 104-2A	kt	6	6633	736	112 ***		6	99 ***		3	9 o		6	69 ***
ORIGIN	kt	6	6972	1075	118 ***		6	99 ***		3	18		6	71 ***
PIPER	kt	11	6698	801	114 ***		11	100 ***		6	5 **		11	69 ***
OVATION	kt	6	6941	1044	118 ***		6	100 ***		3	18		6	67 ***
DRAGOON	kt	6	6971	1074	118 ***		6	100 ***		3	17		6	69 ***
LAUREATE	kt	6	6793	896	115 ***		6	101 ***		3	27		6	69 ***

kt = kaksitahoinen ohra / two row barley

mt = monitahoinen ohra / six row barley

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Barley, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Tjp g		kpl	Hlp kg		kpl	Valk.- %		kpl	Valk- sato		kpl	Täysjyvä- %		kpl	Tärkkelys %	
Variety		trials	1000 seed weight g		trials	HI- weight kg		trials	Prot. %		trials	Protein Yield		trials	Sieving %		trials	Starch %	
AUKUSTI	mt =C	44	42.5		44	64.9		44	11.7		44	591		16	77.7		19	60.7	
VOITTO	mt	11	41.3	o	11	63.5	**	11	12.2	**	11	545	**						
VERTTI	mt	16	43.7	*	16	65.9	*	16	11.8		16	596		11	85.5	***	14	60.8	
WOLMARI	mt	27	40.2	***	27	63.5	***	27	11.8		27	592		3	78.3		2	60.4	
TIRIL	mt	15	39.2	***	15	63.4	***	15	12.4	***	15	579		2	75.4		3	60.2	
JALMARI	mt	22	41.5	o	22	63.9	**	22	12.0	**	22	584		2	85.6	*	2	60.6	
TRYM	mt	24	41.1	**	24	63.6	***	24	11.7		24	582		3	74.9		4	60.3	
VILDE	mt	73	40.1	***	72	63.3	***	72	12.3	***	72	561	***	29	74.6	o	31	60.0	***
BRAGE	mt	21	39.2	***	21	65.5	o	21	11.5		21	611		1	80.6				
EINAR	mt	11	39.5	***	11	65.2		11	11.1	***	11	564	o						
SEVERI	mt	21	41.3	*	21	65.0		21	10.9	***	21	559	**	6	75.7		5	61.3	*
ALVARI	mt	17	45.7	***	17	66.0	**	17	11.4	*	17	635	***	8	88.1	***	10	61.0	
SWÅ 09077	kt	13	49.4	***	13	70.0	***	12	11.8		12	641	**	11	93.5	***	13	61.4	***
SAANA	kt	10	47.5	***	10	67.6	***	9	11.9		9	542	**	8	90.5	***	7	60.8	
ELMERI	mt	12	42.6		12	64.8		12	11.0	***	12	580							
JUSTUS	mt	21	42.5		21	65.3		21	11.2	***	21	568	o	6	92.2	***	5	61.0	
EDVIN	mt	11	40.5	**	11	64.3		11	10.9	***	11	535	***						
RAGNA	mt	20	43.5	o	20	65.8	*	20	11.2	***	20	569	o	2	83.2		3	60.2	
EDEL	mt	4	41.5		4	64.9		4	11.1	**	4	554							

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Barley, Official variety trials 2008 – 2015, Estimated variety means

Lajike			Tj p		Hlp		Valk.-		Valk-		Täysjyvä		Tärkkelys	
Variety			kpl	g	kpl	kg	kpl	%	kpl	sato	kpl	%	kpl	%
			trials	1000 seed weight g	trials	HI- weight kg	trials	Prot. %	trials	Protein Yield	trials	Sieving %	trials	Starch %
AUKUSTI	mt	=C	44	42.5	44	64.9	44	11.7	44	591	16	77.7	19	60.7
TORIA	mt		26	45.4 ***	26	65.9 **	26	11.1 ***	26	597	1	88.7 o		
KAARLE	mt		19	45.5 ***	19	64.8	19	10.8 ***	19	601	11	85.9 ***	10	61.2 *
SW MITJA	kt		26	47.9 ***	26	69.0 ***	25	11.7	25	604	12	86.4 ***	11	61.4 ***
VILGOTT	kt		19	45.7 ***	19	66.7 ***	18	11.6	18	575	16	83.1 **	16	61.4 ***
NOS 10004-81	kt		11	51.3 ***	11	67.8 ***	10	11.2 ***	10	611	10	97.4 ***	11	61.4 ***
BOR 10662	mt		6	46.1 ***	6	63.9	6	11.5	6	672 ***	4	89.3 ***	6	60.7
SYDNEY	kt		8	47.2 ***	8	66.7 ***	8	10.8 ***	8	577	7	86.4 ***	8	61.9 ***
BOR 12015	kt		11	45.0 ***	11	68.7 ***	10	12.2 **	10	604	10	86.3 ***	11	61.1 o
LUHKAS	kt		17	49.3 ***	17	68.6 ***	16	11.2 ***	16	603	16	92.6 ***	15	61.8 ***
NORD 12/2412	kt		6	56.0 ***	6	67.9 ***	5	10.9 ***	5	611	5	93.9 ***	6	62.2 ***
MARTHE	kt		16	44.7 **	16	67.7 ***	16	11.8	16	551 **	4	91.9 ***		
RUSALKA	kt		11	48.9 ***	11	66.9 ***	11	10.5 ***	11	581	11	92.5 ***	9	62.4 ***
BOR 12013	kt		11	45.9 ***	11	67.0 ***	10	12.0 o	10	597	10	88.3 ***	11	60.9
SALOME	kt		16	48.9 ***	15	67.1 ***	15	11.0 ***	15	588	5	92.5 ***	2	61.9 **
STREIF	kt		18	49.6 ***	18	68.4 ***	18	11.6	18	609	5	92.0 ***		
CERBINETTA	kt		12	49.7 ***	11	65.7 o	12	11.1 ***	12	571	7	91.8 ***	4	61.6 **
EIFEL	kt		12	52.2 ***	12	66.5 ***	12	11.1 ***	12	619 o	12	96.3 ***	10	61.9 ***
1182314	kt		6	54.5 ***	6	66.9 ***	5	10.8 ***	5	632 o	5	94.1 ***	6	62.3 ***

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Barley, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Tjp g		kpl	Hlp kg		kpl	Valk.- %		kpl	Valk- sato		kpl	Täysjyvä- %		kpl	Tärkkelys %
Variety		trials	1000 seed weight g		trials	HI- weight kg		trials	Prot. %		trials	Protein Yield		trials	Sieving %		trials	Starch %
AUKUSTI	mt =C	44	42.5		44	64.9		44	11.7		44	591		16	77.7		19	60.7
FORTUNA	kt	11	52.6 ***		11	66.5 ***		11	10.8 ***		11	588		11	93.4 ***		9	61.8 ***
IRON	kt	27	47.6 ***		26	67.7 ***		27	11.1 ***		27	598		8	94.0 ***			
POMPE	kt	13	52.6 ***		13	65.9 *		12	10.7 ***		12	612		12	92.9 ***		11	62.0 ***
KWS HARRIS	kt	3	49.2 ***		3	65.9		2	10.4 ***		2	593		2	92.3 ***		3	62.3 ***
FAIRYTALE	kt	17	43.5		17	67.5 ***		17	11.0 ***		17	579		5	86.4 **			
BARKE	kt	10	49.6 ***		10	69.2 ***		10	12.4 ***		10	568		3	92.1 ***			
FABIOLA	kt	13	49.6 ***		13	68.0 ***		13	11.4 *		13	593		13	95.6 ***		11	61.7 ***
HARBINGER	kt	20	47.7 ***		20	68.1 ***		20	11.5		20	565 o		7	91.9 ***		1	60.8
GRACE	kt	18	50.0 ***		18	69.5 ***		18	11.7		18	614		6	92.8 ***			
MELIUS	kt	12	52.1 ***		11	67.4 ***		12	10.8 ***		12	598		7	93.2 ***		4	62.0 ***
NORD 11/2412	kt	11	54.4 ***		11	66.6 ***		10	10.6 ***		10	582		10	96.0 ***		11	62.2 ***
SC 22-8C	kt	6	47.6 ***		6	66.8 ***		5	10.8 ***		5	580		5	93.5 ***		6	62.1 ***
TOCADA	kt	10	52.6 ***		10	66.2 **		10	11.4 *		10	578		4	92.7 ***			
BR10115D2	kt	17	45.7 ***		17	68.4 ***		16	11.0 ***		16	618 o		16	93.4 ***		15	62.3 ***
MILFORD	kt	12	47.2 ***		11	65.2		12	11.0 ***		12	567		7	92.3 ***		4	61.7 ***
RGT PLANET	kt	12	49.8 ***		12	66.5 ***		11	10.3 ***		11	587		11	94.9 ***		12	62.5 ***
GESINE	kt	12	50.0 ***		12	67.5 ***		11	11.1 ***		11	571		12	95.3 ***		10	61.8 ***
BR 11630MZ1	kt	11	49.9 ***		11	69.1 ***		10	11.4 o		10	620 o		10	94.4 ***		11	61.9 ***

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Barley, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Tjp g		kpl	Hlp kg		kpl	Valk.- %		kpl	Valk- sato		kpl	Täysjyvä- %		kpl	Tärkkelys %
Variety		trials	1000 seed weight g		trials	HI weight kg		trials	Prot. %		trials	Protein Yield		trials	Sieving %		trials	Starch %
AUKUSTI	mt =C	44	42.5		44	64.9		44	11.7		44	591		16	77.7		19	60.7
LN 1276	kt	11	55.7 ***		11	67.0 ***		10	10.9 ***		10	614		10	96.4 ***		11	62.0 ***
FAIRING	kt	6	52.0 ***		6	67.0 ***		5	11.6		5	603		5	94.4 ***		6	61.5 ***
SC 35 815N2	kt	6	46.1 ***		6	65.2		5	10.3 ***		5	553 o		5	93.7 ***		6	62.1 ***
AMBER	kt	8	49.9 ***		8	68.2 ***		8	11.5		8	568		3	91.0 ***			
NOS 19313-83	kt	10	52.9 ***		10	66.9 ***		9	10.5 ***		9	609		9	97.3 ***		10	62.3 ***
KWS SPECTRA	kt	11	49.3 ***		11	65.6		10	10.3 ***		10	575		10	90.1 ***		11	62.2 ***
NOS 19339-81	kt	6	50.1 ***		6	64.9		5	10.6 ***		5	582		5	94.0 ***		6	62.1 ***
NOS 17263-55	kt	11	50.2 ***		11	67.3 ***		10	10.5 ***		10	589		10	92.2 ***		11	63.0 ***
TREKKER	kt	20	50.0 ***		19	68.1 ***		19	10.9 ***		19	585		9	92.4 ***		7	62.0 ***
12742MZ23	kt	6	49.0 ***		6	68.4 ***		5	10.9 ***		5	599		5	93.4 ***		6	62.4 ***
PROPINO	kt	18	52.5 ***		18	66.5 ***		18	11.4 *		18	570		6	95.2 ***			
AVALON	kt	11	52.5 ***		11	66.4 ***		10	10.8 ***		10	602		10	97.0 ***		11	62.1 ***
KWS 13/207	kt	6	48.8 ***		6	66.4 *		5	10.4 ***		5	616		5	92.8 ***		6	62.7 ***
SW C11 0799	kt	6	50.6 ***		6	66.9 ***		5	10.5 ***		5	583		5	93.2 ***		6	62.3 ***
CRESCENDO	kt	11	51.3 ***		11	65.3		10	10.5 ***		10	613		10	98.4 ***		11	62.1 ***
SJ 148214	kt	6	49.2 ***		6	66.1 *		5	10.4 ***		5	588		5	93.0 ***		6	62.3 ***
SOULMATE	kt	17	47.6 ***		17	67.0 ***		16	10.5 ***		16	582		16	94.3 ***		15	62.9 ***
BOR 12037	kt	11	48.1 ***		11	68.1 ***		10	11.8		10	588		10	96.5 ***		11	61.3 **

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Barley, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Tjp g		kpl	Hlp kg		Valk.- %		kpl	Valk- sato		Täysjyvä- %		kpl	Tärkkelys %
Variety		trials	1000 seed weight g		trials	HI weight kg		Prot. %		trials	Protein Yield		Sieving %		trials	Starch %
AUKUSTI	mt =C	44	42.5		44	64.9		44	11.7	44	591		16	77.7	19	60.7
OVERTURE	kt	20	48.4 ***		19	66.3 ***		19	10.7 ***	19	556 **		9	95.3 ***	7	62.5 ***
KWS IRINA	kt	12	49.7 ***		11	64.9		12	10.8 ***	12	546 **		7	92.7 ***	4	61.6 **
FENNICA	kt	14	47.6 ***		14	66.6 ***		13	10.7 ***	13	592		14	91.8 ***	12	62.2 ***
NFC TIPPLE	kt	43	50.7 ***		42	67.3 ***		42	10.7 ***	42	522 ***		29	94.2 ***	24	62.3 ***
QUENCH	kt	8	47.5 ***		8	67.1 ***		8	11.2 **	8	554 o		3	93.1 ***		
PRUNELLA	kt	11	51.8 ***		11	66.4 **		10	10.9 ***	10	598		10	92.9 ***	11	61.8 ***
SHANDY	kt	12	52.2 ***		11	65.2		12	10.5 ***	12	558 *		7	94.2 ***	4	61.9 ***
HOBBS	kt	6	49.7 ***		6	66.4 **		5	10.6 ***	5	586		5	93.2 ***	6	62.1 ***
ODYSSEY	kt	11	50.6 ***		11	67.1 ***		10	10.5 ***	10	570		10	94.8 ***	11	62.6 ***
SC 104-2A	kt	6	50.8 ***		6	66.8 **		5	10.2 ***	5	574		5	92.0 ***	6	62.6 ***
ORIGIN	kt	6	51.2 ***		6	66.0 o		5	10.4 ***	5	604		5	94.1 ***	6	62.2 ***
PIPER	kt	11	51.2 ***		11	65.8 o		10	10.7 ***	10	611		10	94.7 ***	11	61.8 ***
OVATION	kt	6	50.0 ***		6	64.6		5	10.0 ***	5	577		5	92.5 ***	6	62.3 ***
DRAGOON	kt	6	52.5 ***		6	65.4		5	10.4 ***	5	604		5	94.5 ***	6	62.6 ***
LAUREATE	kt	6	51.5 ***		6	64.1		5	10.6 ***	5	607		5	93.2 ***	6	61.9 ***

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike		Vyöhyke I			Vyöhyke II			Vyöhyke III			Vyöhyke IV		
		kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku
Variety		trials	Zone I kg/ha	rel.	trials	Zone II kg/ha	rel.	trials	Zone III kg/ha	rel.	trials	Zone IV kg/ha	rel.
AUKUSTI	mt =C	7	5644	100	12	6347	100	14	6013	100	11	5450	100
VOITTO	mt				3	5736	90 *	3	4976	83 ***	5	5093	93 o
VERTTI	mt	3	5410	96	5	6453	102	4	5843	97	4	5567	102
WOLMARI	mt	2	5137	91	8	6381	101	9	5952	99	8	5543	102
TIRIL	mt				4	6084	96	5	5170	86 ***	6	5322	98
JALMARI	mt	2	5491	97	6	6258	99	8	5449	91 **	6	5580	102
TRYM	mt	2	5772	102	6	5930	93 o	9	5831	97	7	5699	105
VILDE	mt	18	4844	86 ***	20	5532	87 ***	22	5682	94 *	13	5274	97
BRAGE	mt	3	6202	110 o	5	6675	105	8	5927	99	5	5912	108 *
EINAR	mt				4	6511	103	4	5944	99	3	5393	99
SEVERI	mt	3	5761	102	6	6090	96	7	6154	102	5	5777	106 o
ALVARI	mt	3	5558	98	5	6877	108 *	5	6729	112 **	4	6080	112 **
SWÅ 09077	kt	6	6203	110 *	3	6188	97	3	6641	110 *			
SAANA	kt	5	5486	97	3	5279	83 ***	2	5295	88 *			
ELMERI	mt				4	7206	114 ***	5	5894	98	3	5466	100
JUSTUS	mt	3	5817	103	6	6240	98	7	5989	100	5	5608	103
EDVIN	mt				4	6471	102	4	5765	96	3	5145	94
RAGNA	mt	2	5507	98	5	6570	104	8	5964	99	5	5514	101
EDEL	mt							4	5857	97			

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike	Vyöhyke I			Vyöhyke II			Vyöhyke III			Vyöhyke IV		
	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku
Variety	trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.
AUKUSTI mt =C	7	5644	100	12	6347	100	14	6013	100	11	5450	100
TORIA mt	3	5853	104	6	6708	106	11	6292	105	6	6251	115 ***
KAARLE mt	4	6113	108 o	6	6814	107 *	5	6824	113 ***	4	5920	109 *
SW MITJA kt	13	5932	105	7	6387	101	4	6012	100	2	5244	96
VILGOTT kt	9	5634	100	5	6148	97	3	5472	91 o	2	5175	95
NOS 10004-81 kt	6	6372	113 **	3	6383	101	2	6195	103			
BOR 10662 mt	1	5475	97	2	7244	114 **	2	7099	118 **			
SYDNEY kt	4	6023	107	2	6729	106	2	6101	101			
BOR 12015 kt	6	5569	99	3	5907	93	2	5667	94			
LUHKAS kt	9	6142	109 *	5	6600	104	3	6273	104			
NORD 12/2412 kt	3	6328	112 *	2	6792	107						
MARTHE kt	8	5431	96	4	5880	93 o	4	5289	88 *			
RUSALKA kt	6	6621	117 ***	3	6749	106	2	5683	95			
BOR 12013 kt	6	5654	100	3	5768	91 o	2	5878	98			
SALOME kt	9	6380	113 **	3	6632	104	4	5587	93			
STREIF kt	9	6031	107	5	6572	104	4	5994	100			
CERBINETTA kt	6	6098	108 o	4	6331	100	2	5273	88 *			
EIFEL kt	6	6407	114 **	4	6798	107	2	6163	102			
1182314 kt	3	6811	121 ***	2	7215	114 *						

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike			Vyöhyke I			Vyöhyke II			Vyöhyke III		
			kpl	kg/ha	Suhde- luku	kpl	kg/ha	Suhde- luku	kpl	kg/ha	Suhde- luku
Variety			Zone I	Zone II	Zone III						
			trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.
AUKUSTI	mt	=C	7	5644	100	12	6347	100	14	6013	100
FORTUNA	kt		6	6362	113 **	3	6716	106	2	5804	97
IRON	kt		15	6230	110 **	8	6675	105	4	6022	100
POMPE	kt		7	6486	115 ***	3	7005	110 *	3	6465	108
KWS HARRIS	kt		2	6513	115 **						
FAIRYTALE	kt		9	6074	108 o	5	6501	102	3	5969	99
BARKE	kt		4	5148	91 o	4	6014	95	2	5381	89 o
FABIOLA	kt		7	5991	106	4	6641	105	2	5307	88 *
HARBINGER	kt		11	5617	100	6	6231	98	3	5586	93
GRACE	kt		10	6093	108 o	5	6576	104	3	6004	100
MELIUS	kt		6	6323	112 **	4	6885	108 *	2	6003	100
NORD 11/2412	kt		6	6469	115 ***	3	6589	104	2	6137	102
SC 22-8C	kt		3	6549	116 **	2	6280	99			
TOCADA	kt		5	5669	100	3	6532	103	2	6199	103
BR10115D2	kt		9	6571	116 ***	5	6687	105	3	6463	107
MILFORD	kt		6	6049	107 o	4	6282	99	2	5672	94
RGT PLANET	kt		7	6477	115 ***	3	6735	106	2	6897	115 *
GESINE	kt		7	6125	109 *	3	6111	96	2	5651	94
BR 11630MZ1	kt		6	6179	109 *	3	6628	104	2	6141	102

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike	Vyöhyke I			Vyöhyke II			Vyöhyke III		
	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku
Variety	trials	Zone I kg/ha	rel.	trials	Zone II kg/ha	rel.	trials	Zone III kg/ha	rel.
AUKUSTI mt =C	7	5644	100	12	6347	100	14	6013	100
LN 1276 kt	6	6549	116 ***	3	6749	106	2	6679	111 o
FAIRING kt	3	5926	105	2	6248	98			
SC 35 815N2 kt	3	6190	110 o	2	6587	104			
AMBER kt	4	5580	99	2	6518	103	2	5598	93
NOS 19313-83 kt	6	6656	118 ***	3	7127	112 *	2	7013	117 **
KWS SPECTRA kt	6	6345	112 **	3	7101	112 *	2	6506	108
NOS 19339-81 kt	3	6611	117 **	2	6704	106			
NOS 17263-55 kt	6	6339	112 **	3	6998	110 *	2	6889	115 *
TREKKER kt	12	6238	111 **	6	6720	106	2	5534	92
12742M223 kt	3	6165	109 o	2	7024	111 o			
PROPINO kt	10	5801	103	5	6303	99	3	5606	93
AVALON kt	6	6375	113 **	3	6998	110 *	2	6313	105
KWS 13/207 kt	3	6944	123 ***	2	6952	110 o			
SW C11 0799 kt	3	6045	107	2	7117	112 *			
CRESCENDO kt	6	6738	119 ***	3	7365	116 ***	2	6805	113 *
SJ 148214 kt	3	6747	120 ***	2	6786	107			
SOULMATE kt	9	6420	114 ***	5	6759	106	3	6438	107
BOR 12037 kt	6	5807	103	3	5910	93	2	5350	89 o

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike			Vyöhyke I			Vyöhyke II			Vyöhyke III		
			kpl	kg/ha	Suhde- luku	kpl	kg/ha	Suhde- luku	kpl	kg/ha	Suhde- luku
Variety			trials	Zone I kg/ha	rel.	trials	Zone II kg/ha	rel.	trials	Zone III kg/ha	rel.
AUKUSTI	mt	=C	7	5644	100	12	6347	100	14	6013	100
OVERTURE	kt		12	6215	110 **	6	6538	103	2	4887	81 **
KWS IRINA	kt		6	6089	108 o	4	6265	99	2	4990	83 **
FENNICA	kt		8	6471	115 ***	4	6765	107	2	6175	103
NFC TIPPLE	kt		18	5842	104	16	5764	91 **	9	5717	95
QUENCH	kt		4	5754	102	2	6384	101	2	5435	90
PRUNELLA	kt		6	6069	108 o	3	7068	111 *	2	6509	108
SHANDY	kt		6	6351	113 **	4	6504	102	2	5457	91
HOBBS	kt		3	6617	117 ***	2	6503	102			
ODYSSEY	kt		6	6076	108 o	3	6946	109 o	2	6123	102
SC 104-2A	kt		3	6488	115 **	2	6948	109 o			
ORIGIN	kt		3	6852	121 ***	2	7256	114 *			
PIPER	kt		6	6615	117 ***	3	6884	108 o	2	6497	108
OVATION	kt		3	6937	123 ***	2	7194	113 *			
DRAGOON	kt		3	7195	127 ***	2	7093	112 *			
LAUREATE	kt		3	6951	123 ***	2	7260	114 **			

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vuosittain

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to years

Lajike		Vuosi 2012			Vuosi 2013			Vuosi 2014			Vuosi 2015		
		kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku
Variety		Year 2012 trials	kg/ha	rel.	Year 2013 trials	kg/ha	rel.	Year 2014 trials	kg/ha	rel.	Year 2015 trials	kg/ha	rel.
AUKUSTI	mt =C	2	5941	100	3	5867	100	11	5594	100	6	7082	100
VERTTI	mt				6	5797	99	7	5986	107 o	3	6230	88 **
WOLMARI	mt	2	5675	96	3	5979	102						
TIRIL	mt										3	5913	83 ***
JALMARI	mt	2	5522	93	3	5722	98						
TRYM	mt				3	6105	104				3	5586	79 ***
VILDE	mt	10	5329	90	10	5227	89 **	12	5404	97	12	5578	79 ***
SEVERI	mt	7	5827	98	3	6430	110 *	3	5633	101			
ALVARI	mt	7	6212	105				7	6326	113 ***	3	6833	96
SWÅ 09077	kt							6	6592	118 ***	7	6916	98
SAANA	kt							5	5703	102	2	6767	96
JUSTUS	mt	7	5668	95	3	5766	98	3	5893	105			
RAGNA	mt										3	5727	81 ***
KAARLE	mt	7	6408	108	6	6213	106	3	6458	115 **	3	6995	99
SW MITJA	kt							6	5931	106	5	6939	98
VILGOTT	kt				7	6246	106	6	5698	102	6	6246	88 **
NOS 10004-81	kt							5	6566	117 ***	6	7108	100
BOR 10662	mt										6	7174	101
SYDNEY	kt							5	6358	114 **	3	7091	100

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vuosittain

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to years

Lajike		Vuosi 2012			Vuosi 2013			Vuosi 2014			Vuosi 2015		
		kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku
Variety		Year 2012 trials	kg/ha	rel.	Year 2013 trials	kg/ha	rel.	Year 2014 trials	kg/ha	rel.	Year 2015 trials	kg/ha	rel.
AUKUSTI	mt =C	2	5941	100	3	5867	100	11	5594	100	6	7082	100
BOR 12015	kt							5	5822	104	6	6510	92 o
LUHKAS	kt				6	6221	106	5	6304	113 **	6	7440	105
NORD 12/2412	kt										6	7327	103
RUSALKA	kt				6	6483	110 *	5	6801	122 ***			
BOR 12013	kt							5	5771	103	6	6639	94
SALOME	kt	7	5661	95	2	6548	112 *						
CERBINETTA	kt	6	5427	91	6	6202	106						
EIFEL	kt				6	6493	111 *	5	6708	120 ***			
1182314	kt										6	7708	109 *
FORTUNA	kt				6	6312	108 o	5	6725	120 ***			
IRON	kt	6	5678	96									
POMPE	kt				6	6787	116 ***	5	6835	122 ***	2	7178	101
KWS HARRIS	kt										3	7410	105
FABIOLA	kt				6	6260	107	5	6063	108 o	2	7141	101
HARBINGER	kt	2	5332	90									
MELIUS	kt	6	5888	99	6	6578	112 **						
NORD 11/2412	kt							5	6648	119 ***	6	7220	102
SC 22-8C	kt										6	7142	101

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vuosittain

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to years

Lajike		Vuosi 2012			Vuosi 2013			Vuosi 2014			Vuosi 2015		
		kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku
Variety		trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.
AUKUSTI	mt =C	2	5941	100	3	5867	100	11	5594	100	6	7082	100
BR10115D2	kt				6	6350	108 o	5	6923	124 ***	6	7607	107 o
MILFORD	kt	6	5506	93	6	6174	105						
RGT PLANET	kt							5	6893	123 ***	6	7380	104
GESINE	kt				6	6234	106	5	6131	110 *			
BR 11630MZ1	kt							5	6634	119 ***	6	6963	98
LN 1276	kt							5	6663	119 ***	6	7548	107
FAIRING	kt										6	6835	97
SC 35 815N2	kt										6	6982	99
NOS 19313-83	kt							5	6888	123 ***	6	7768	110 *
KWS SPECTRA	kt							5	6696	120 ***	6	7434	105
NOS 19339-81	kt										6	7317	103
NOS 17263-55	kt							5	6650	119 ***	6	7544	107
TREKKER	kt	6	5391	91	2	6700	114 *	2	6799	122 ***	3	7312	103
12742MZ23	kt										6	7248	102
AVALON	kt							5	6593	118 ***	6	7434	105
KWS 13/207	kt										6	7825	111 *
SW C11 0799	kt										6	7273	103
CRESCENDO	kt							5	6993	125 ***	6	7812	110 *

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vuosittain

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to years

Lajike			Vuosi 2012			Vuosi 2013			Vuosi 2014			Vuosi 2015		
			kpl	kg/ha	Suhde- luku	kpl	kg/ha	Suhde- luku	kpl	kg/ha	Suhde- luku	kpl	kg/ha	Suhde- luku
Variety			trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.
AUKUSTI	mt	=C	2	5941	100	3	5867	100	11	5594	100	6	7082	100
SJ 148214	kt											6	7553	107
SOULMATE	kt					6	6701	114 **	5	6480	116 ***	6	7445	105
BOR 12037	kt								5	5904	106	6	6576	93 o
OVERTURE	kt		6	5434	91	2	6456	110 o	2	5990	107	3	7715	109 o
KWS IRINA	kt		6	5405	91	6	6076	104						
FENNICA	kt					6	6513	111 *	5	6800	122 ***	3	7364	104
NFC TIPPLE	kt		8	4785	81 **	8	6051	103	9	5961	107 o	10	6292	89 **
PRUNELLA	kt								5	6437	115 ***	6	7359	104
SHANDY	kt		6	5553	93	6	6504	111 *						
HOBBS	kt											6	7375	104
ODYSSEY	kt								5	6432	115 ***	6	7181	101
SC 104-2A	kt											6	7431	105
ORIGIN	kt											6	7770	110 *
PIPER	kt								5	7061	126 ***	6	7289	103
OVATION	kt											6	7740	109 *
DRAGOON	kt											6	7770	110 *
LAUREATE	kt											6	7591	107 o

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu maajeittain

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike		Karkeat kiv. maat kg/ha	Suhde- luku		Savimaat kg/ha	Suhde- luku		Multamaat kg/h	Suhde- luku		Liejusavi kg/ha	Suhde- luku	
Variety	mt =C	Coarse mi- neral kg/ha	rel.		Clay kg/ha	rel.		Mould kg/ha	rel.		Gyttja clay kg/ha	rel.	
	trials			trials			trials			trials			
AUKUSTI	mt =C	19	5852	100	11	5668	100	14	6085	100	4	4604	100
VOITTO	mt	4	5365	92 *	4	4736	84 ***	3	5461	90 o			
VERTTI	mt	5	5740	98	5	5409	95	6	6301	104			
WOLMARI	mt	13	5917	101	5	5233	92 o	9	6129	101	3	4683	102
TIRIL	mt	10	5554	95 o	4	4885	86 **						
JALMARI	mt	9	5659	97	6	5442	96	7	5848	96	3	4826	105
TRYM	mt	9	5742	98	8	5847	103	7	5817	96	2	5301	115
VILDE	mt	23	5543	95 *	36	5091	90 ***	14	5429	89 **	5	4945	107
BRAGE	mt	9	6023	103	6	5889	104	6	6425	106	3	4849	105
EINAR	mt	3	5658	97	4	5656	100	4	6237	102	2	5177	112
SEVERI	mt	10	6016	103	5	6004	106	6	5852	96	2	5016	109
ALVARI	mt	6	6412	110 **	5	6159	109 *	6	6576	108 o	2	5580	121 o
SWÅ 09077	kt	4	6529	112 **	9	6116	108 *						
SAANA	kt	2	5557	95	8	5238	92 *						
ELMERI	mt	3	5731	98	4	5498	97	5	6876	113 **			
JUSTUS	mt	10	5850	100	5	6048	107	6	5937	98	2	4097	89
EDVIN	mt	3	5410	92 o	4	5477	97	4	6197	102	2	3403	74 *
RAGNA	mt	8	5790	99	6	5810	103	6	6185	102	2	4793	104
EDEL	mt				4	5569	98						

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu maajeittain

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike	Karkeat kiv.			Savimaat			Multamaat			Liejusavi		
	kpl	maat kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/h	Suhde-luku	kpl	kg/ha	Suhde-luku
Variety	trials	Coarse mi- neral kg/ha	rel.	trials	Clay kg/ha	rel.	trials	Mould kg/ha	rel.	trials	Gyttja clay kg/ha	rel.
AUKUSTI mt =C	19	5852	100	11	5668	100	14	6085	100	4	4604	100
TORIA mt	10	6463	110 ***	8	5998	106	8	6359	104	3	5947	129 **
KAARLE mt	6	6472	111 **	7	6442	114 ***	6	6383	105	2	5319	116
SW MITJA kt	6	5921	101	20	5948	105				3	3984	87
VILGOTT kt	4	5708	98	15	5640	100				2	4169	91
NOS 10004-81 kt	2	6214	106	9	6270	111 **						
BOR 10662 mt	2	7488	128 ***	2	5647	100	2	6998	115 *			
SYDNEY kt	2	6588	113 *	6	6026	106						
BOR 12015 kt	2	5766	99	9	5558	98						
LUHKAS kt	2	6347	108	15	6194	109 **				2	3362	73 *
NORD 12/2412 kt				6	6369	112 **						
MARTHE kt				16	5408	95				2	2758	60 ***
RUSALKA kt	2	6474	111 o	9	6424	113 ***				2	3356	73 *
BOR 12013 kt	2	5607	96	9	5651	100						
SALOME kt	3	5964	102	13	6233	110 **				2	2876	62 ***
STREIF kt				17	6034	106 o				3	4449	97
CERBINETTA kt	2	5955	102	10	5942	105				2	3252	71 **
EIFEL kt	2	6804	116 **	10	6337	112 ***				2	4811	104
1182314 kt				6	6750	119 ***						

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu maajeittain

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike			kpl	Karkeat kiv. maat kg/ha	Suhde- luku		kpl	Savimaat kg/ha	Suhde- luku		kpl	Liejusavi kg/ha	Suhde- luku
Variety			trials	Coarse mineral kg/ha	rel.		trials	Clay kg/ha	rel.		trials	Gyttja clay kg/ha	rel.
AUKUSTI	mt	=C	19	5852	100		11	5668	100		4	4604	100
FORTUNA	kt		2	6528	112 *		9	6256	110 **		2	3355	73 *
IRON	kt		5	6262	107 o		22	6207	110 **		4	3645	79 *
POMPE	kt		2	6840	117 **		11	6502	115 ***		2	4232	92
KWS HARRIS	kt						3	6450	114 **				
FAIRYTALE	kt						16	6073	107 *		3	3186	69 **
BARKE	kt		2	5683	97		8	5299	94 o				
FABIOLA	kt		2	6172	105		11	5977	105		2	4103	89
HARBINGER	kt		2	5952	102		18	5623	99		3	3995	87
GRACE	kt		2	6180	106		16	6090	107 *		3	3348	73 **
MELIUS	kt		2	6581	112 *		10	6319	111 **		2	3767	82 o
NORD 11/2412	kt		2	6345	108		9	6361	112 ***				
SC 22-8C	kt						6	6183	109 *				
TOCADA	kt						10	5900	104				
BR10115D2	kt		2	6813	116 **		15	6456	114 ***		2	4037	88
MILFORD	kt		2	6055	103		10	5953	105		2	3514	76 *
RGT PLANET	kt		2	7102	121 ***		10	6418	113 ***				
GESINE	kt		2	5635	96		10	6061	107 *		2	3652	79 o
BR 11630MZ1	kt		2	6444	110 o		9	6160	109 *				

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu maajeittain

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike			kpl	Karkeat kiv. maat kg/ha	Suhde- luku		kpl	Savimaat kg/ha	Suhde- luku		kpl	Liejusavi kg/ha	Suhde- luku
Variety			trials	Coarse mineral kg/ha	rel.		trials	Clay kg/ha	rel.		trials	Gyttja clay kg/ha	rel.
AUKUSTI	mt	=C	19	5852	100		11	5668	100		4	4604	100
LN 1276	kt		2	6613	113 *		9	6529	115 ***				
FAIRING	kt						6	5876	104				
SC 35 815N2	kt						6	6023	106				
AMBER	kt						8	5706	101		2	3558	77 *
NOS 19313-83	kt		2	7233	124 ***		9	6663	118 ***				
KWS SPECTRA	kt		2	6972	119 ***		9	6392	113 ***				
NOS 19339-81	kt						6	6358	112 **				
NOS 17263-55	kt		2	6899	118 **		9	6455	114 ***				
TREKKER	kt		3	6212	106		17	6193	109 **		2	3682	80 o
12742MZ23	kt						6	6290	111 **				
PROPINO	kt		2	6228	106		16	5742	101		3	3617	79 *
AVALON	kt		2	6447	110 o		9	6451	114 ***				
KWS 13/207	kt						6	6867	121 ***				
SW C11 0799	kt						6	6315	111 **				
CRESCENDO	kt		2	7075	121 ***		9	6786	120 ***				
SJ 148214	kt						6	6595	116 ***				
SOULMATE	kt		2	6512	111 *		15	6424	113 ***		2	4091	89
BOR 12037	kt		2	5795	99		9	5642	100				

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu maajeittain

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike			kpl	Karkeat kiv. maat kg/ha	Suhde- luku		kpl	Savimaat kg/ha	Suhde- luku		kpl	Liejusavi kg/ha	Suhde- luku
Variety			trials	Coarse mineral - kg/ha	rel.		trials	Clay kg/ha	rel.		trials	Gyttja clay kg/ha	rel.
AUKUSTI	mt	=C	19	5852	100		11	5668	100		4	4604	100
OVERTURE	kt		3	6067	104		17	6062	107 *		2	3551	77 *
KWS IRINA	kt		2	6049	103		10	5834	103		2	4417	96
FENNICA	kt		2	6620	113 *		12	6406	113 ***		2	4094	89
NFC TIPPLE	kt		6	5620	96		31	5744	101		5	3509	76 **
QUENCH	kt						8	5731	101		2	3064	67 **
PRUNELLA	kt		2	6750	115 **		9	6247	110 **				
SHANDY	kt		2	6128	105		10	6164	109 *		2	3740	81 o
HOBBS	kt						6	6417	113 **				
ODYSSEY	kt		2	6692	114 **		9	6138	108 *				
SC 104-2A	kt						6	6473	114 ***				
ORIGIN	kt						6	6812	120 ***				
PIPER	kt		2	7046	120 ***		9	6481	114 ***				
OVATION	kt						6	6781	120 ***				
DRAGOON	kt						6	6812	120 ***				
LAUREATE	kt						6	6633	117 ***				

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu satotason mukaan

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to crop yields

Lajike			kpl	Alhainen satotaso kg/ha	Suhde- luku	kpl	Keskimääräinen satotaso kg/ha	Suhde- luku	kpl	Korkea satotaso kg/ha	Suhde- luku
Variety			trials	Low yield kg/ha	rel.	trials	Medium yield kg/ha	rel.	trials	High yield kg/ha	rel.
AUKUSTI	mt	=C	12	4717	100	15	6068	100	17	6802	100
VOITTO	mt		2	4008	85 o	3	5292	87 **	6	6182	91 **
VERTTI	mt		6	5063	107	7	5882	97	3	6556	96
WOLMARI	mt		7	4686	99	8	5963	98	12	6809	100
TIRIL	mt		4	4179	89 *	6	5562	92 *	5	6559	96
JALMARI	mt		10	4595	97	7	5870	97	5	6426	94 o
TRYM	mt		10	4731	100	7	5825	96	7	6727	99
VILDE	mt		23	4226	90 **	25	5479	90 ***	25	6215	91 ***
BRAGE	mt		6	4979	106	4	5994	99	11	7131	105 *
EINAR	mt		3	4736	100	2	6038	100	6	6885	101
SEVERI	mt		10	4835	103	8	6085	100	3	6977	103
ALVARI	mt		7	5437	115 **	7	6556	108 *	3	7113	105
SWÅ 09077	kt					5	6748	111 **	8	7022	103
SAANA	kt					4	5455	90 *	6	6297	93 *
ELMERI	mt		4	5301	112 *	2	5732	94	6	7106	104
JUSTUS	mt		10	4850	103	8	5939	98	3	7008	103
EDVIN	mt		3	4688	99	2	5723	94	6	6744	99
RAGNA	mt		9	4820	102	5	5720	94	6	7095	104
EDEL	mt		2	4277	91	1	6014	99	1	7866	116 *

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu satotason mukaan

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to crop yields

Lajike		kpl	Alhainen satotaso kg/ha	Suhde- luku		kpl	Keskimääräinen satotaso kg/ha	Suhde- luku		kpl	Korkea satotaso kg/ha	Suhde- luku
Variety		trials	Low yield kg/ha	rel.		trials	Medium yield kg/ha	rel.		trials	High yield kg/ha	rel.
AUKUSTI	mt =C	12	4717	100		15	6068	100		17	6802	100
TORIA	mt	11	5185	110 *		4	6512	107 o		11	7184	106 *
KAARLE	mt	5	5459	116 **		9	6511	107 *		5	7423	109 **
SW MITJA	kt	5	4856	103		14	6075	100		7	6860	101
VILGOTT	kt	2	5118	109		6	5821	96		11	6532	96
NOS 10004-81	kt					3	6580	108 o		8	7229	106 *
BOR 10662	mt					3	7228	119 ***		2	7531	111 *
SYDNEY	kt					2	6305	104		6	7177	106 o
BOR 12015	kt					3	5738	95		8	6632	98
LUHKAS	kt	2	4747	101		4	6492	107 o		11	7234	106 *
NORD 12/2412	kt					2	6671	110 o		4	7411	109 *
MARTHE	kt	4	4382	93		9	5356	88 ***		3	6942	102
RUSALKA	kt	2	4724	100		2	6611	109 o		7	7538	111 ***
BOR 12013	kt					3	5910	97		8	6632	98
SALOME	kt	5	4913	104		6	6315	104		5	7186	106
STREIF	kt	6	4755	101		8	6325	104		4	7173	105
CERBINETTA	kt	5	4422	94		2	6275	103		5	7133	105
EIFEL	kt	2	5228	111		2	6429	106		8	7426	109 **
1182314	kt					2	7060	116 **		4	7788	115 ***

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu satotason mukaan

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to crop yields

Lajike			kpl	Alhainen satotaso kg/ha	Suhde- luku	kpl	Keskimääräinen satotaso kg/ha	Suhde- luku	kpl	Korkea satotaso kg/ha	Suhde- luku
Variety	mt	=C	trials	Low yield kg/ha	rel.	trials	Medium yield kg/ha	rel.	trials	High yield kg/ha	rel.
AUKUSTI	mt	=C	12	4717	100	15	6068	100	17	6802	100
FORTUNA	kt		2	4881	103	2	6562	108	7	7306	107 *
IRON	kt		9	4961	105	12	6393	105 o	6	7290	107 *
POMPE	kt		2	5071	108	3	6626	109 *	8	7647	112 ***
KWS HARRIS	kt								2	7545	111 *
FAIRYTALE	kt		6	4874	103	7	6064	100	4	7446	109 *
BARKE	kt		3	4111	87 o	4	5425	89 *	3	6688	98
FABIOLA	kt		2	4311	91	2	5949	98	9	7156	105 o
HARBINGER	kt		7	4540	96	7	5748	95	6	6781	100
GRACE	kt		5	4772	101	9	6289	104	4	7343	108 *
MELIUS	kt		5	4975	105	2	6389	105	5	7539	111 **
NORD 11/2412	kt					3	6483	107	8	7401	109 **
SC 22-8C	kt					2	6267	103	4	7335	108 *
TOCADA	kt		3	4563	97	4	5903	97	3	7377	108 o
BR10115D2	kt		2	4701	100	4	6751	111 **	11	7591	112 ***
MILFORD	kt		5	4535	96	2	5989	99	5	7197	106 o
RGT PLANET	kt					3	6453	106	9	7650	112 ***
GESINE	kt		2	4542	96	2	5938	98	8	7084	104
BR 11630MZ1	kt					3	6521	107	8	7185	106 o

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu satotason mukaan

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to crop yields

Lajike			kpl	Alhainen satotaso kg/ha	Suhde- luku	kpl	Keskimääräinen satotaso kg/ha	Suhde- luku	kpl	Korkea satotaso kg/ha	Suhde- luku
Variety			trials	Low yield kg/ha	rel.	trials	Medium yield kg/ha	rel.	trials	High yield kg/ha	rel.
AUKUSTI	mt	=C	12	4717	100	15	6068	100	17	6802	100
LN 1276	kt					3	6913	114 **	8	7495	110 ***
FAIRING	kt					2	6226	103	4	6895	101
SC 35 815N2	kt					2	5898	97	4	7279	107 o
AMBER	kt		3	4656	99	3	5821	96	2	6769	100
NOS 19313-83	kt					3	6948	114 **	8	7788	114 ***
KWS SPECTRA	kt					3	6720	111 *	8	7503	110 ***
NOS 19339-81	kt					2	6257	103	4	7602	112 **
NOS 17263-55	kt					3	6888	114 **	8	7493	110 ***
TREKKER	kt		4	4563	97	10	6396	105 o	6	7385	109 **
12742MZ23	kt					2	6667	110 o	4	7295	107 o
PROPINO	kt		5	4470	95	9	5932	98	4	7155	105
AVALON	kt					3	6681	110 *	8	7453	110 **
KWS 13/207	kt					2	7277	120 ***	4	7855	115 ***
SW C11 0799	kt					2	6788	112 *	4	7271	107 o
CRESCENDO	kt					3	6917	114 **	8	7898	116 ***
SJ 148214	kt					2	6584	109	4	7794	115 ***
SOULMATE	kt		2	5154	109	4	6798	112 **	11	7394	109 **
BOR 12037	kt					3	5523	91 *	8	6814	100

Ohra, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu satotason mukaan

Barley, Official variety trials 2008 – 2015, Estimated variety means, Classification according to crop yields

Lajike			kpl	Alhainen satotaso kg/ha	Suhde- luku	kpl	Keskimääräinen satotaso kg/ha	Suhde- luku	kpl	Korkea satotaso kg/ha	Suhde- luku
Variety			trials	Low yield kg/ha	rel.	trials	Medium yield kg/ha	rel.	trials	High yield kg/ha	rel.
AUKUSTI	mt	=C	12	4717	100	15	6068	100	17	6802	100
OVERTURE	kt		4	4383	93	10	6131	101	6	7504	110 **
KWS IRINA	kt		5	4316	92	2	5906	97	5	7209	106 o
FENNICA	kt		2	4840	103	3	6485	107	9	7560	111 ***
NFC TIPPLE	kt		11	4569	97	12	5796	96	20	6668	98
QUENCH	kt		2	4587	97	3	5734	94	3	7022	103
PRUNELLA	kt					3	6776	112 *	8	7264	107 *
SHANDY	kt		5	4702	100	2	6215	102	5	7392	109 *
HOBBS	kt					2	6657	110 o	4	7490	110 **
ODYSSEY	kt					3	6608	109 o	8	7190	106 o
SC 104-2A	kt					2	6676	110 o	4	7565	111 **
ORIGIN	kt					2	7264	120 ***	4	7779	114 ***
PIPER	kt					3	6428	106	8	7732	114 ***
OVATION	kt					2	6671	110 o	4	8030	118 ***
DRAGOON	kt					2	6787	112 *	4	8017	118 ***
LAUREATE	kt					2	6435	106	4	7925	117 ***

3.6. Kaura / Oats / Avena sativa L.

Kaura, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot

Oats, Official variety trials 2008 – 2015, Estimated variety means

Lajike		Sato	Sato-	Suhde-		Kasvuaika		Lako-		Pituus		
	kpl	kg/ha	ero	luku		pv		%		cm		
Variety	trials	Yield kg/ha	Yield difference	rel.		Growing time d		Lodging %		Length cm		
AKSELI =C	45	5918	0	100		43	96	24	22	45	92	
EEMELI	52	5239	-678	89	***	45	92	29	21	51	92	
MEERI	19	5688	-229	96	*	17	93	12	26	19	93	
RIINA	19	5800	-116	98		17	93	12	18	19	88	***
NIKLAS	17	6022	104	102		16	93	10	23	17	97	***
AVETRON	18	5920	2	100		18	95	9	31	18	98	***
VENLA	15	5589	-328	94	**	15	96	10	40	15	97	***
MARIKA	18	5705	-212	96	*	18	96	5	32	18	93	
PEPPI	13	5424	-493	92	***	13	96	8	28	13	90	*
RINGSAKER	20	6211	293	105	**	20	98	12	39	20	96	***
ROOPE	35	6078	160	103	o	31	98	17	50	34	107	***
ALKU	21	6327	409	107	***	17	99	14	21	21	93	
BOR 09056	6	6165	247	104		6	99	4	23	6	95	*
STEINAR	18	6466	549	109	***	17	100	13	23	18	98	***
VIVIANA	12	6488	570	110	***	12	101	10	31	12	93	
MIRELLA	20	6337	419	107	***	16	101	11	30	20	99	***
NORD 12/325	6	6692	774	113	***	6	101	4	27	6	93	
HARMONY	6	6479	561	109	***	6	102	4	30	6	97	***
SYMPHONY	28	6662	744	113	***	23	102	18	32	28	100	***
NORD 13/322	6	7104	1186	120	***	6	102	4	22	6	95	*

Kaura, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Oats, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Sato kg/ha	Sato- ero	Suhde- luku		kpl	Kasvuaika pv		kpl	Lako- %		kpl	Pituus cm
Variety		trials	Yield kg/ha	Yield difference	rel.		trials	Growing time d		trials	Lodging %		trials	Length cm
AKSELI	=C	45	5918	0	100		43	96		24	22		45	92
OBELIX		15	6326	409	107 ***		13	102 ***		10	25		15	92
MATTY		19	6747	829	114 ***		17	102 ***		10	33 *		19	97 ***
ROCKY		30	6394	476	108 ***		25	102 ***		15	41 ***		30	92
CHARLY		16	6337	419	107 ***		11	102 ***		8	25		16	95 ***
IIRIS		22	6267	349	106 ***		19	102 ***		14	22		22	90 **
BAUB 2008.1914		12	7233	1315	122 ***		12	102 ***		10	30		12	98 ***
HARALD		15	6312	394	107 ***		14	102 ***		6	31		15	97 ***
BOR 09091		12	6597	679	111 ***		12	103 ***		7	14		12	102 ***
BETTINA		14	6500	582	110 ***		13	103 ***		8	30		14	95 ***
MOBY		22	6720	802	114 ***		16	103 ***		9	32 o		22	89 ***
NORD 13/324		11	6827	909	115 ***		12	103 ***		7	39 **		12	97 ***
AVANTI		13	6903	985	117 ***		12	103 ***		7	21		13	89 **
NORD 12/322		12	6819	902	115 ***		12	103 ***		7	30		12	102 ***
BOR 11144		5	6807	890	115 ***		5	103 ***		3	20		5	98 ***
BELINDA		58	6340	422	107 ***		51	103 ***		33	30 *		58	93 *
NORD 13/318		6	6678	760	113 ***		6	104 ***		4	49 ***		6	101 ***

Kaura, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Oats, Official variety trials 2008 – 2015, Estimated variety means

Lajike	kpl	Tjp g		kpl	Hlp kg		kpl	Valk.- %		kpl	Valk- sato		kpl	Kuori- %		kpl	Ydin- sato	
Variety	trials	1000 seed weight g		trials	Hl weight kg		trials	Prot. %		trials	Protein Yield		trials	Hull Content		trials	Groat Yield	
AKSELI =C	45	33.6		45	55.1		45	13.2		45	671		42	23.2		42	4641	
EEMELI	52	37.3	***	52	54.2	***	52	13.9	***	52	616	***	52	23.9	***	52	4058	***
MEERI	19	39.3	***	19	54.4	*	19	13.2		19	641	*	16	23.7	*	16	4388	**
RIINA	19	34.9	**	19	55.1		19	13.3		19	653		16	23.6		16	4497	
NIKLAS	17	41.3	***	17	54.2	**	17	13.2		17	686		15	23.6	o	15	4667	
AVETRON	18	36.3	***	18	55.3		18	13.0		18	662		16	22.5	**	16	4651	
VENLA	15	35.6	***	15	55.2		15	14.2	***	15	682		15	23.8	*	15	4326	***
MARIKA	18	39.0	***	18	55.0		18	12.7	***	18	622	***	17	23.5		17	4433	*
PEPPI	13	35.7	***	13	55.8	o	13	13.9	***	13	648		13	23.2		13	4225	***
RINGSAKER	20	34.0		20	54.6	o	20	12.2	***	20	648	o	20	23.0		20	4869	**
ROOPE	35	34.6	**	35	52.7	***	35	12.9	**	35	668		35	22.0	***	35	4826	**
ALKU	21	36.5	***	21	53.8	***	21	11.8	***	21	642	*	20	22.7	*	20	4968	***
BOR 09056	6	38.5	***	6	55.4		6	12.1	***	6	640		6	21.6	***	6	4942	*
STEINAR	18	37.0	***	18	52.8	***	18	11.7	***	18	646	o	18	23.2		18	5061	***
VIVIANA	12	37.6	***	12	53.2	***	12	11.6	***	12	638	*	12	24.6	***	12	4981	***
MIRELLA	20	35.8	***	20	52.9	***	20	11.5	***	20	625	***	20	23.3		20	4956	***
NORD 12/325	6	43.4	***	6	54.9		6	11.1	***	6	625	*	6	22.2	**	6	5305	***
HARMONY	6	46.8	***	6	54.0	*	6	11.7	***	6	642		6	22.2	**	6	5135	***
SYMPHONY	28	44.2	***	28	54.5	*	28	11.3	***	28	644	*	28	23.7	*	28	5165	***
NORD 13/322	6	39.9	***	6	55.3		6	11.5	***	6	692		6	24.2	**	6	5472	***

Kaura, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Oats, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Tjp g		kpl	Hlp kg		kpl	Valk.- %		kpl	Valk- sato		kpl	Kuori- %		kpl	Ydin- sato
Variety		trials	1000 seed weight g		trials	HI weight kg		trials	Prot. %		trials	Protein Yield		trials	Hull Content		trials	Groat Yield
AKSELI	=C	45	33.6		45	55.1		45	13.2		45	671		42	23.2		42	4641
OBELIX		15	45.3 ***		15	55.0		15	11.8 ***		15	639 *		13	20.3 ***		13	5141 ***
MATTY		19	42.2 ***		19	54.8		19	11.3 ***		19	653		17	22.1 ***		17	5353 ***
ROCKY		30	39.4 ***		30	53.7 ***		30	11.7 ***		30	638 **		28	22.4 ***		28	5077 ***
CHARLY		16	40.8 ***		16	53.4 ***		16	12.4 ***		16	670		16	21.5 ***		16	5039 ***
IIRIS		22	41.1 ***		22	54.2 **		22	11.8 ***		22	633 **		22	23.2		22	4896 **
BAUB 2008.1914		12	45.2 ***		12	53.3 ***		12	11.5 ***		12	698 o		12	23.4		12	5632 ***
HARALD		15	46.8 ***		15	54.1 **		15	11.9 ***		15	644 *		13	22.4 **		13	4952 **
BOR 09091		12	39.1 ***		12	54.1 **		12	11.4 ***		12	641 *		12	21.9 ***		12	5239 ***
BETTINA		14	37.8 ***		14	53.0 ***		14	11.5 ***		14	638 *		14	24.5 ***		14	4990 ***
MOBY		22	38.3 ***		22	54.3 **		22	11.2 ***		22	649 o		21	24.0 ***		21	5184 ***
NORD 13/324		12	40.4 ***		12	53.3 ***		12	11.0 ***		11	640 *		12	22.7 *		11	5375 ***
AVANTI		13	39.5 ***		13	53.5 ***		13	11.3 ***		13	660		12	23.1		12	5408 ***
NORD 12/322		12	41.6 ***		12	55.7		12	11.4 ***		12	663		12	24.2 ***		12	5242 ***
BOR 11144		5	38.1 ***		5	53.0 ***		5	11.3 ***		5	643		5	25.1 ***		5	5155 ***
BELINDA		58	38.5 ***		58	53.2 ***		58	11.6 ***		58	630 ***		55	24.4 ***		55	4876 ***
NORD 13/318		6	41.7 ***		6	52.5 ***		6	10.7 ***		6	589 ***		6	23.9 o		6	5159 ***

Kaura, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Oats, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike	Vyöhyke I			Vyöhyke II			Vyöhyke III			Vyöhyke IV		
	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku
Variety	trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.
AKSELI =C	14	5944	100	11	6125	100	10	5926	100	10	5547	100
EEMELI	18	5287	89 ***	9	5396	88 ***	16	5417	91 **	9	4660	84 ***
MEERI	3	5695	96	6	5957	97	7	5784	98	3	5127	92 o
RIINA	3	5834	98	6	5963	97	7	5849	99	3	5536	100
NIKLAS	4	6097	103	6	6156	101	4	6120	103	3	5720	103
AVETRON	2	5737	97	5	5960	97	6	6170	104	5	5594	101
VENLA	2	5345	90 *	4	5756	94	4	5772	97	5	5182	93 *
MARIKA	2	6097	103	5	5638	92 *	5	5769	97	6	5331	96
PEPPI				4	5775	94	5	5585	94	4	4727	85 ***
RINGSAKER	5	6211	104	6	6260	102	5	6322	107 o	4	5948	107 *
ROOPE	12	6146	103	6	6217	101	11	6318	107 *	6	5345	96
ALKU	9	6257	105 *	7	6516	106 *	5	6592	111 **			
BOR 09056	3	6120	103	2	6276	102						
STEINAR	9	6549	110 ***	5	6688	109 *	4	6417	108 *			
VIVIANA	6	6601	111 ***	4	6704	109 *	2	6284	106			
MIRELLA	9	6343	107 **	5	6726	110 **	5	6276	106 o			
NORD 12/325	3	7001	118 ***	2	6529	107						
HARMONY	3	6652	112 **	2	6524	107						
SYMPHONY	13	6650	112 ***	8	6823	111 ***	7	6879	116 ***			
NORD 13/322	3	7430	125 ***	2	7086	116 **	1	6740	114 *			

Kaura, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Oats, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike	kpl	Vyöhyke I		Suhde- luku	kpl	Vyöhyke II		Suhde- luku	kpl	Vyöhyke III		Suhde- luku	kpl	Vyöhyke IV	
		Zone 1 kg/ha	rel.			Zone 2 kg/ha	rel.			Zone 3 kg/ha	rel.			Zone 4 kg/ha	rel.
Variety	trials	kg/ha	rel.		trials	kg/ha	rel.		trials	kg/ha	rel.		trials	kg/ha	rel.
AKSELI =C	14	5944	100		11	6125	100		10	5926	100		10	5547	100
OBELIX	6	6220	105	o	5	6460	105		4	6648	112	**			
MATTY	7	6586	111	***	7	6857	112	***	5	7155	121	***			
ROCKY	15	6414	108	***	8	6624	108	**	7	6434	109	**			
CHARLY	8	6357	107	**	4	6529	107	o	4	6471	109	*			
IIRIS	11	6362	107	**	6	6458	105		5	6231	105				
BAUB 2008.1914	5	7438	125	***	4	7186	117	***	3	7349	124	***			
HARALD	6	6213	105		5	6369	104		4	6694	113	***			
BOR 09091	6	6754	114	***	4	6614	108	*	2	6615	112	*			
BETTINA	7	6834	115	***	4	6382	104		3	6292	106				
MOBY	11	6616	111	***	6	6973	114	***	5	7013	118	***			
NORD 13/324	5	6955	117	***	4	6851	112	**	2	6921	117	***			
AVANTI	6	6953	117	***	4	7036	115	***	3	6954	117	***			
NORD 12/322	6	7004	118	***	4	6785	111	**	2	6854	116	**			
BOR 11144	2	6816	115	***	2	6753	110	*							
BELINDA	27	6382	107	***	16	6487	106	*	15	6452	109	***			
NORD 13/318	3	6727	113	***	2	6871	112	*	1	6720	113	*			

Kaura, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vuosittain

Oats, Official variety trials 2008 – 2015, Estimated variety means, Classification according to years

Lajike	Vuosi 2012 kpl	Suhde- luku kg/ha	Vuosi 2013 kpl	Suhde- luku kg/ha	Vuosi 2014 kpl	Suhde- luku kg/ha	Vuosi 2015 kpl	Suhde- luku kg/ha			
Variety	Year 2012 trials	rel. kg/ha	Year 2013 trials	rel. kg/ha	Year 2014 trials	rel. kg/ha	Year 2015 trials	rel. kg/ha			
AKSELI =C			9	5658	100	9	5723	100	7	7287	100
MEERI			3	5757	102	2	6050	106			
RIINA			3	5838	103	2	6152	107			
NIKLAS			7	6074	107 *	2	5886	103	2	7447	102
AVETRON			7	5866	104	3	6006	105	2	7336	101
MARIKA									3	7042	97
RINGSAKER									2	7935	109 *
ALKU			3	6208	110 *	2	6384	112 *	2	7365	101
BOR 09056									6	7435	102
NORD 12/325									6	7962	109 ***
HARMONY									6	7750	106 *
SYMPHONY									6	7969	109 ***
NORD 13/322									6	8375	115 ***
OBELIX			5	6050	107 *	2	6353	111 *			

Kaura, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vuosittain

Oats, Official variety trials 2008 – 2015, Estimated variety means, Classification according to years

Lajike		Vuosi 2012	Suhde- luku	Vuosi 2013	Suhde- luku	Vuosi 2014	Suhde- luku	Vuosi 2015	Suhde- luku		
Variety	kpl trials	kg/ha	rel.	kg/ha	rel.	kg/ha	rel.	kg/ha	rel.		
AKSELI	=C			9	5658	100		7	7287	100	
MATTY				7	6644	117	***	4	7984	110	**
ROCKY				2	6506	115	**	6	7769	107	*
BAUB 2008.1914								6	8433	116	***
HARALD				7	6297	111	***	2	7221	99	
BOR 09091								6	7856	108	**
BETTINA								2	7720	106	
MOBY				6	6986	123	***				
NORD 13/324								6	6599	115	***
AVANTI				5	6924	122	***	2	8056	111	**
NORD 12/322								6	7880	108	**
BOR 11144								5	8082	111	***
BELINDA				7	6386	113	***	6	7597	104	
NORD 13/318								6	7948	109	**

Kaura, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu maajeittain

Oats, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike		Karkeat kiv. maat kg/ha	Suhde- luku		Savimaat kg/ha	Suhde- luku		Multamaat kg/ha	Suhde- luku	
Variety	kpl trials	Coarse mineral kg/ha	rel.		Clay kg/ha	rel.		Mould kg/ha	rel.	
AKSELI =C	7	5661	100		21	6014	100	17	5999	100
EEMELI	13	5127	91 **		23	5368	89 ***	16	5242	87 ***
MEERI	9	5488	97		4	5899	98	6	5851	98
RIINA	9	5586	99		4	6002	100	6	5991	100
NIKLAS	4	5709	101		6	6171	103	7	6157	103
AVETRON	5	5823	103		7	6022	100	6	6006	100
VENLA	2	5444	96		2	5409	90 *	11	5626	94 *
MARIKA	7	5425	96		3	6052	101	8	5695	95 o
PEPPI	2	4870	86 *					11	5474	91 **
RINGSAKER	6	6125	108 *		6	6347	106 *	8	6178	103
ROOPE	6	6016	106		17	6204	103	12	6011	100
ALKU	6	6425	114 **		10	6365	106 **	5	6291	105
BOR 09056					5	6277	104			
STEINAR	2	5741	101		10	6604	110 ***	6	6583	110 **
VIVIANA					6	6678	111 ***	5	6529	109 **
MIRELLA	4	6184	109 *		11	6450	107 **	5	6406	107 *
NORD 12/325					5	6876	114 ***			
HARMONY					5	6665	111 ***			
SYMPHONY	7	6707	118 ***		16	6735	112 ***	5	6667	111 **
NORD 13/322					5	7153	119 ***			

Kaura, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu maajeittain

Oats, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike		kpl	Karkeat kiv. maat kg/ha	Suhde- luku		kpl	Savimaat kg/ha	Suhde- luku		kpl	Multamaat kg/ha	Suhde- luku
Variety		trials	Coarse mineral kg/ha	rel.		trials	Clay kg/ha	rel.		trials	Mould kg/ha	rel.
AKSELI	=C	7	5661	100		21	6014	100		17	5999	100
OBELIX		5	6383	113 **		7	6287	105 o		3	6456	108 o
MATTY		4	6965	123 ***		11	6715	112 ***		4	6846	114 ***
ROCKY		5	6601	117 ***		20	6492	108 ***		5	6229	104
CHARLY		4	6529	115 ***		9	6443	107 **		3	6070	101
IIRIS		3	5823	103		13	6414	107 **		6	6305	105
BAUB 2008.1914		3	7111	126 ***		7	7400	123 ***		2	7119	119 ***
HARALD		2	6668	118 **		10	6354	106 **		3	6259	104
BOR 09091						9	6775	113 ***		2	6234	104
BETTINA		2	5652	100		9	6834	114 ***		3	6222	104
MOBY		4	6810	120 ***		14	6795	113 ***		4	6719	112 **
NORD 13/324						8	7005	116 ***		2	6651	111 *
AVANTI		3	6721	119 ***		9	7043	117 ***				
NORD 12/322						9	6945	115 ***		2	6599	110 *
BOR 11144						4	7038	117 ***				
BELINDA		12	6222	110 **		36	6459	107 ***		10	6357	106 *
NORD 13/318						5	6796	113 ***				

Kaura, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu satotason mukaan
Oats, Official variety trials 2008 – 2015, Estimated variety means, Classification according to crop yields

Lajike	kpl	Alhainen satotaso kg/ha	Suhde- luku	kpl	Keskimääräinen satotaso kg/ha	Suhde- luku	kpl	Korkea satotaso kg/ha	Suhde- luku
Variety	trials	Low yield kg/ha	rel.	trials	Medium yield kg/ha	rel.	trials	High yield kg/ha	rel.
AKSELI =C	11	4320	100	15	5971	100	19	7259	100
EEMELI	18	3822	88 ***	18	5170	87 ***	16	6569	90 ***
MEERI	9	4212	98	6	5858	98	4	6833	94 *
RIINA	9	4406	102	6	5869	98	4	6914	95 o
NIKLAS	5	4600	106	4	6355	106 o	8	7114	98
AVETRON	6	4492	104	4	6226	104	8	7048	97
VENLA				9	5658	95 *	6	6857	94 *
MARIKA	4	4060	94	8	5820	97	6	6939	96 o
PEPPI				7	5528	93 **	6	6666	92 ***
RINGSAKER	2	4602	107	9	6300	106 *	9	7470	103
ROOPE	11	4476	104	13	6267	105 *	11	7306	101
ALKU	7	4790	111 **	6	6513	109 **	8	7496	103
BOR 09056							5	7514	104
STEINAR	4	4805	111 *	8	6661	112 ***	6	7660	106 *
VIVIANA	1	4700	109	7	6467	108 **	4	8012	110 ***
MIRELLA	7	4698	109 *	6	6664	112 ***	7	7536	104 o
NORD 12/325							5	7816	108 **
HARMONY							5	7679	106 *
SYMPHONY	11	5092	118 ***	6	6659	112 ***	11	7988	110 ***
NORD 13/322							5	8215	113 ***

Kaura, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu satotason mukaan

Oats, Official variety trials 2008 – 2015, Estimated variety means, Classification according to crop yields

Lajike		kpl	Alhainen satotaso kg/ha	Suhde- luku		kpl	Keskimääräinen satotaso kg/ha	Suhde- luku		kpl	Korkea satotaso kg/ha	Suhde- luku
Variety		trials	Low yield kg/ha	rel.		trials	Medium yield kg/ha	rel.		trials	High yield kg/ha	rel.
AKSELI	=C	11	4320	100		15	5971	100		19	7259	100
OBELIX		4	5180	120 ***		5	6445	108 *		6	7330	101
MATTY		5	5443	126 ***		4	6666	112 ***		10	7964	110 ***
ROCKY		10	4864	113 **		10	6337	106 *		10	7832	108 ***
CHARLY		10	4903	113 ***		4	6248	105		2	7486	103
IIRIS		4	4804	111 *		11	6331	106 *		7	7539	104 o
BAUB 2008.1914						2	7518	126 ***		9	8373	115 ***
HARALD		3	5318	123 ***		6	6543	110 **		6	7224	100
BOR 09091						5	6909	116 ***		6	7744	107 **
BETTINA		4	5115	118 ***		5	6762	113 ***		5	7435	102
MOBY		11	5129	119 ***		6	6771	113 ***		5	8160	112 ***
NORD 13/324						4	6985	117 ***		6	8103	112 ***
AVANTI		2	5577	129 ***		2	6653	111 *		9	8166	112 ***
NORD 12/322						5	7394	124 ***		6	7699	106 **
BOR 11144										5	8020	110 ***
BELINDA		17	4827	112 ***		20	6496	109 ***		21	7545	104 **
NORD 13/318						1	5650	95		5	8118	112 ***

Kaura, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Oats, Official variety trials 2008 – 2015, Estimated variety means

Lajike		Sato	Sato-	Suhde-		Kasvuaika		Lako-		Pituus	
Variety		kg/ha	ero	luku		pv		%		cm	
	trials	kg/ha	Yield difference	rel.	trials	Growing time d	trials	Lodging %	trials	Length cm	trials
BELINDA	=C	58 6340	0	100	51	103	33	30	58	93	
EEMELI		52 5239	-1100	83 ***	45	92 ***	29	21 **	51	92 **	
MEERI		19 5688	-651	90 ***	17	93 ***	12	26	19	93	
RIINA		19 5800	-539	91 ***	17	93 ***	12	18 **	19	88 ***	
NIKLAS		17 6022	-318	95 **	16	93 ***	10	23	17	97 ***	
AVETRON		18 5920	-419	93 ***	18	95 ***	9	31	18	98 ***	
VENLA		15 5589	-750	88 ***	15	96 ***	10	40 o	15	97 ***	
MARIKA		18 5705	-634	90 ***	18	96 ***	5	32	18	93	
AKSELI		45 5918	-421	93 ***	43	96 ***	24	22 *	45	92 *	
PEPPI		13 5424	-915	86 ***	13	96 ***	8	28	13	90 ***	
RINGSAKER		20 6211	-129	98	20	98 ***	12	39 o	20	96 **	
ROOPE		35 6078	-261	96 **	31	98 ***	17	50 ***	34	107 ***	
ALKU		21 6327	-12	100	17	99 ***	14	21 *	21	93	
BOR 09056		6 6165	-174	97	6	99 ***	4	23	6	95	
STEINAR		18 6466	126	102	17	100 ***	13	23	18	98 ***	
VIVIANA		12 6488	148	102	12	101 ***	10	31	12	93	
MIRELLA		20 6337	-2	100	16	101 ***	11	30	20	99 ***	
NORD 12/325		6 6692	351	106 *	6	101 *	4	27	6	93	
HARMONY		6 6479	139	102	6	102	4	30	6	97 **	
SYMPHONY		28 6662	322	105 ***	23	102 **	18	32	28	100 ***	

Kaura, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Oats, Official variety trials 2008 – 2015, Estimated variety means

Lajike		Sato kpl kg/ha	Sato- ero Yield difference	Suhde- luku rel.		Kasvuaika kpl pv Growing time d		Lako- % Lodging %		Pituus kpl cm Length cm	
BELINDA	=C	58	6340	0	100	51	103	33	30	58	93
NORD 13/322		6	7104	764	112 ***	6	102	4	22	6	95
OBELIX		15	6326	-13	100	13	102 o	10	25	15	92
MATTY		19	6747	407	106 ***	17	102 *	10	33	19	97 ***
ROCKY		30	6394	54	101	25	102 *	15	41 *	30	92 **
CHARLY		16	6337	-3	100	11	102	8	25	16	95 *
IIRIS		22	6267	-72	99	19	102	14	22 o	22	90 ***
BAUB 2008.1914		12	7233	893	114 ***	12	102	10	30	12	98 ***
HARALD		15	6312	-27	100	14	102	6	31	15	97 ***
BOR 09091		12	6597	257	104 *	12	103	7	14 **	12	102 ***
BETTINA		14	6500	159	103	13	103	8	30	14	95 *
MOBY		22	6720	379	106 ***	16	103	9	32	22	89 ***
NORD 13/324		11	6827	487	108 ***	12	103	7	39	12	97 ***
AVANTI		13	6903	563	109 ***	12	103	7	21	13	89 ***
NORD 12/322		12	6819	479	108 ***	12	103	7	30	12	102 ***
BOR 11144		5	6807	467	107 **	5	103	3	20	5	98 **
NORD 13/318		6	6678	338	105 *	6	104	4	49 *	6	101 ***

Kaura, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Oats, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Tjp g	kpl	Hlp kg	kpl	Valk.- %	kpl	Valk- sato	kpl	Kuori- %	kpl	Ydin- sato
Variety		trials	1000 seed weight g	trials	HI weight kg	trials	Prot. %	trials	Protein Yield	trials	Hull Content	trials	Groat Yield
BELINDA	=C	58	38.5	58	53.2	58	11.6	58	630	55	24.4	55	4876
EEMELI		52	37.3 ***	52	54.2 ***	52	13.9 ***	52	616 o	52	23.9 **	52	4058 ***
MEERI		19	39.3 o	19	54.4 ***	19	13.2 ***	19	641	16	23.7 **	16	4388 ***
RIINA		19	34.9 ***	19	55.1 ***	19	13.3 ***	19	653 *	16	23.6 ***	16	4497 ***
NIKLAS		17	41.3 ***	17	54.2 ***	17	13.2 ***	17	686 ***	15	23.6 **	15	4667 *
AVETRON		18	36.3 ***	18	55.3 ***	18	13.0 ***	18	662 **	16	22.5 ***	16	4651 *
VENLA		15	35.6 ***	15	55.2 ***	15	14.2 ***	15	682 ***	15	23.8 *	15	4326 ***
MARIKA		18	39.0	18	55.0 ***	18	12.7 ***	18	622	17	23.5 ***	17	4433 ***
AKSELI		45	33.6 ***	45	55.1 ***	45	13.2 ***	45	671 ***	42	23.2 ***	42	4641 ***
PEPPI		13	35.7 ***	13	55.8 ***	13	13.9 ***	13	648	13	23.2 ***	13	4225 ***
RINGSAKER		20	34.0 ***	20	54.6 ***	20	12.2 ***	20	648	20	23.0 ***	20	4869
ROOPE		35	34.6 ***	35	52.7 *	35	12.9 ***	35	668 ***	35	22.0 ***	35	4826
ALKU		21	36.5 ***	21	53.8 *	21	11.8 o	21	642	20	22.7 ***	20	4968
BOR 09056		6	38.5	6	55.4 ***	6	12.1 *	6	640	6	21.6 ***	6	4942
STEINAR		18	37.0 ***	18	52.8	18	11.7	18	646	18	23.2 ***	18	5061 *
VIVIANA		12	37.6 o	12	53.2	12	11.6	12	638	12	24.6	12	4981
MIRELLA		20	35.8 ***	20	52.9	20	11.5	20	625	20	23.3 ***	20	4956
NORD 12/325		6	43.4 ***	6	54.9 ***	6	11.1 *	6	625	6	22.2 ***	6	5305 ***
HARMONY		6	46.8 ***	6	54.0	6	11.7	6	642	6	22.2 ***	6	5135 *
SYMPHONY		28	44.2 ***	28	54.5 ***	28	11.3 **	28	644	28	23.7 ***	28	5165 ***

Kaura, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Oats, Official variety trials 2008 – 2015, Estimated variety means

Lajike		Tj _p		Hl _p		Valk.-		Valk-		Kuori-		Ydin-	
Variety		kpl	g	kpl	kg	kpl	%	kpl	sato	kpl	%	kpl	sato
		trials	1000 seed weight g	trials	HI weight kg	trials	Prot. %	trials	Protein Yield	trials	Hull Content	trials	Groat Yield
BELINDA	=C	58	38.5	58	53.2	58	11.6	58	630	55	24.4	55	4876
NORD 13/322		6	39.9 *	6	55.3 ***	6	11.5	6	692 **	6	24.2	6	5472 ***
OBELIX		15	45.3 ***	15	55.0 ***	15	11.8	15	639	13	20.3 ***	13	5141 **
MATTY		19	42.2 ***	19	54.8 ***	19	11.3 *	19	653 *	17	22.1 ***	17	5353 ***
ROCKY		30	39.4 *	30	53.7 *	30	11.7	30	638	28	22.4 ***	28	5077 **
CHARLY		16	40.8 ***	16	53.4	16	12.4 ***	16	670 **	16	21.5 ***	16	5039 o
IIRIS		22	41.1 ***	22	54.2 ***	22	11.8 o	22	633	22	23.2 ***	22	4896
BAUB 2008.1914		12	45.2 ***	12	53.3	12	11.5	12	698 ***	12	23.4 ***	12	5632 ***
HARALD		15	46.8 ***	15	54.1 **	15	11.9 *	15	644	13	22.4 ***	13	4952
BOR 09091		12	39.1	12	54.1 *	12	11.4	12	641	12	21.9 ***	12	5239 ***
BETTINA		14	37.8	14	53.0	14	11.5	14	638	14	24.5	14	4990
MOBY		22	38.3	22	54.3 ***	22	11.2 ***	22	649 o	21	24.0 o	21	5184 ***
NORD 13/324		12	40.4 ***	12	53.3	12	11.0 ***	11	640	12	22.7 ***	11	5375 ***
AVANTI		13	39.5 *	13	53.5	13	11.3 *	13	660 *	12	23.1 ***	12	5408 ***
NORD 12/322		12	41.6 ***	12	55.7 ***	12	11.4	12	663 *	12	24.2	12	5242 ***
BOR 11144		5	38.1	5	53.0	5	11.3 o	5	643	5	25.1 o	5	5155 *
NORD 13/318		6	41.7 ***	6	52.5	6	10.7 ***	6	589 *	6	23.9	6	5159 *

Kaura, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Oats, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike		Vyöhyke I	Suhde-		Vyöhyke II	Suhde-		Vyöhyke III	Suhde-	
	kpl	kg/ha	luku		kg/ha	luku		kg/ha	luku	
Variety	trials	Zone 1	rel.		Zone 2	rel.		Zone 3	rel.	
		kg/ha			kg/ha			kg/ha		
BELINDA	=C	27	6382	100	16	6487	100	15	6452	100
EEMELI		18	5287	83 ***	9	5396	83 ***	16	5417	84 ***
MEERI		3	5695	89 **	6	5957	92 **	7	5784	90 ***
RIINA		3	5834	91 **	6	5963	92 **	7	5849	91 ***
NIKLAS		4	6097	96	6	6156	95 o	4	6120	95
AVETRON		2	5737	90 *	5	5960	92 *	6	6170	96
VENLA		2	5345	84 ***	4	5756	89 **	4	5772	89 **
MARIKA		2	6097	96	5	5638	87 ***	5	5769	89 ***
AKSELI		14	5944	93 ***	11	6125	94 *	10	5926	92 ***
PEPPI					4	5775	89 **	5	5585	87 ***
RINGSAKER		5	6211	97	6	6260	96	5	6322	98
ROOPE		12	6146	96 *	6	6217	96	11	6318	98
ALKU		9	6257	98	7	6516	100	5	6592	102
BOR 09056		3	6120	96	2	6276	97			
STEINAR		9	6549	103	5	6688	103	4	6417	99
VIVIANA		6	6601	103	4	6704	103	2	6284	97
MIRELLA		9	6343	99	5	6726	104	5	6276	97
NORD 12/325		3	7001	110 **	2	6529	101			
HARMONY		3	6652	104	2	6524	101			
SYMPHONY		13	6650	104 *	8	6823	105 o	7	6879	107 *

Kaura, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Oats, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike		Vyöhyke I	Suhde-		Vyöhyke II	Suhde-		Vyöhyke III	Suhde-	
	kpl	kg/ha	luku		kg/ha	luku		kg/ha	luku	
Variety	trials	Zone 1	rel.		Zone 2	rel.		Zone 3	rel.	
		kg/ha			kg/ha			kg/ha		
BELINDA =C	27	6382	100		16	6487	100	15	6452	100
NORD 13/322	3	7430	116 ***		2	7086	109 *			
OBELIX	6	6220	97		5	6460	100	4	6648	103
MATTY	7	6586	103		7	6857	106 *	5	7155	111 ***
ROCKY	15	6414	101		8	6624	102	7	6434	100
CHARLY	8	6357	100		4	6529	101	4	6471	100
IIRIS	11	6362	100		6	6458	100	5	6231	97
BAUB 2008.1914	5	7438	117 ***		4	7186	111 **	3	7349	114 ***
HARALD	6	6213	97		5	6369	98	4	6694	104
BOR 09091	6	6754	106 *		4	6614	102	2	6615	103
BETTINA	7	6834	107 **		4	6382	98	3	6292	98
MOBY	11	6616	104 o		6	6973	107 *	5	7013	109 **
NORD 13/324	5	6955	109 ***		4	6851	106	2	6921	107 o
AVANTI	6	6953	109 ***		4	7036	108 *	3	6954	108 *
NORD 12/322	6	7004	110 ***		4	6785	105	2	6854	106
BOR 11144	2	6816	107 o		2	6753	104			
NORD 13/318	3	6727	105		2	6871	106			

Kaura, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vuosittain

Oats, Official variety trials 2008 – 2015, Estimated variety means, Classification according to years

Lajike		Vuosi 2012			Vuosi 2013			Vuosi 2014			Vuosi 2015		
		kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku
Variety		Year 2012 trials	kg/ha	rel.	Year 2013 trials	kg/ha	rel.	Year 2014 trials	kg/ha	rel.	Year 2015 trials	kg/ha	rel.
BELINDA	=C	6	7010	100	7	6386	100	7	6289	100	6	7597	100
EEMELI		7	5642	80 ***									
MEERI		6	6088	87 ***	3	5757	90 **	2	6050	96			
RIINA		6	6194	88 ***	3	5838	91 *	2	6152	98			
NIKLAS		6	6360	91 ***	7	6074	95 o	2	5886	94	2	7447	98
AVETRON		6	6325	90 ***	7	5866	92 **	3	6006	95	2	7336	97
MARIKA											3	7042	93 *
AKSELI					9	5658	89 ***	9	5723	91 **	7	7287	96
RINGSAKER											2	7935	104
ALKU		6	6789	97	3	6208	97	2	6384	102	2	7365	97
BOR 09056											6	7435	98
NORD 12/325											6	7962	105 o
HARMONY											6	7750	102
SYMPHONY		6	7226	103							6	7969	105 o
NORD 13/322											6	8375	110 ***

Kaura, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vuosittain

Oats, Official variety trials 2008 – 2015, Estimated variety means, Classification according to years

Lajike		Vuosi 2012	Suhde- luku		Vuosi 2013	Suhde- luku		Vuosi 2014	Suhde- luku		Vuosi 2015	Suhde- luku	
Variety	kpl trials	kg/ha	rel.		kg/ha	rel.		kg/ha	rel.		kg/ha	rel.	
BELINDA	=C	6	7010	100	7	6386	100	7	6289	100	6	7597	100
OBELIX		6	6843	98	5	6050	95	2	6353	101			
MATTY		4	7381	105	7	6644	104	2	6351	101	4	7984	105
ROCKY					2	6506	102	6	6112	97	6	7769	102
BAUB 2008.1914		6	7785	111							6	8433	111
HARALD					7	6297	99	6	6352	101	2	7221	95
BOR 09091								6	6544	104	6	7856	103
BETTINA											2	7720	102
MOBY					6	6986	109						
NORD 13/324								6	6599	105	5	8297	109
AVANTI		6	7400	106	5	6924	108				2	8056	106
NORD 12/322								6	6964	111	6	7880	104
BOR 11144											5	8082	106
NORD 13/318											6	7948	105

Kaura, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu maajeittain

Oats, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike		kpl	Karkeat kiv. maat kg/ha	Suhde- luku		kpl	Savimaat kg/ha	Suhde- luku		kpl	Multamaat kg/ha	Suhde- luku
Variety		trials	Coarse mineral kg/ha	rel.		trials	Clay kg/ha	rel.		trials	Mould kg/ha	rel.
BELINDA	=C	12	6222	100		36	6459	100		10	6357	100
EEMELI		13	5127	82 ***		23	5368	83 ***		16	5242	82 ***
MEERI		9	5488	88 ***		4	5899	91 **		6	5851	92 *
RIINA		9	5586	90 ***		4	6002	93 *		6	5991	94 o
NIKLAS		4	5709	92 *		6	6171	96 o		7	6157	97
AVETRON		5	5823	94 o		7	6022	93 **		6	6006	94
VENLA		2	5444	87 *		2	5409	84 ***		11	5626	89 ***
MARIKA		7	5425	87 ***		3	6052	94 o		8	5695	90 ***
AKSELI		7	5661	91 **		21	6014	93 ***		17	5999	94 *
PEPPI		2	4870	78 ***						11	5474	86 ***
RINGSAKER		6	6125	98		6	6347	98		8	6178	97
ROOPE		6	6016	97		17	6204	96 *		12	6011	95 *
ALKU		6	6425	103		10	6365	99		5	6291	99
BOR 09056						5	6277	97				
STEINAR		2	5741	92		10	6604	102		6	6583	104
VIVIANA						6	6678	103		5	6529	103
MIRELLA		4	6184	99		11	6450	100		5	6406	101
NORD 12/325						5	6876	106 *				
HARMONY						5	6665	103				
SYMPHONY		7	6707	108 **		16	6735	104 **		5	6667	105

Kaura, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu maajeittain

Oats, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike		kpl	Karkeat kiv. maat kg/ha	Suhde- luku		kpl	Savimaat kg/ha	Suhde- luku		kpl	Multamaat kg/ha	Suhde- luku	
Variety		trials	Coarse mineral kg/ha	rel.		trials	Clay kg/ha	rel.		trials	Mould kg/ha	rel.	
BELINDA	=C	12	6222	100		36	6459	100		10	6357	100	
NORD 13/322						5	7153	111	***				
OBELIX		5	6383	103		7	6287	97		3	6456	102	
MATTY		4	6965	112	**	11	6715	104	*	4	6846	108	*
ROCKY		5	6601	106	o	20	6492	101		5	6229	98	
CHARLY		4	6529	105		9	6443	100		3	6070	95	
IIRIS		3	5823	94		13	6414	99		6	6305	99	
BAUB 2008.1914		3	7111	114	***	7	7400	115	***	2	7119	112	*
HARALD		2	6668	107		10	6354	98		3	6259	98	
BOR 09091						9	6775	105	*	2	6234	98	
BETTINA		2	5652	91	o	9	6834	106	**	3	6222	98	
MOBY		4	6810	109	**	14	6795	105	**	4	6719	106	
NORD 13/324						8	7005	108	***	2	6651	105	
AVANTI		3	6721	108	*	9	7043	109	***				
NORD 12/322						9	6945	108	***	2	6599	104	
BOR 11144						4	7038	109	**				
NORD 13/318						5	6796	105	*				

Kaura, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu satotason mukaan
Oats, Official variety trials 2008 – 2015, Estimated variety means, Classification according to crop yields

Lajike	kpl	Alhainen satotaso kg/ha	Suhde- luku		kpl	Keskimääräinen satotaso kg/ha	Suhde- luku		kpl	Korkea satotaso kg/ha	Suhde- luku
Variety	trials	Low yield kg/ha	rel.		trials	Medium yield kg/ha	rel.		trials	High yield kg/ha	rel.
BELINDA =C	17	4827	100		20	6496	100		21	7545	100
EEMELI	18	3822	79 ***		18	5170	80 ***		16	6569	87 ***
MEERI	9	4212	87 ***		6	5858	90 ***		4	6833	91 ***
RIINA	9	4406	91 **		6	5869	90 ***		4	6914	92 **
NIKLAS	5	4600	95		4	6355	98		8	7114	94 **
AVETRON	6	4492	93 o		4	6226	96		8	7048	93 **
VENLA					9	5658	87 ***		6	6857	91 ***
MARIKA	4	4060	84 ***		8	5820	90 ***		6	6939	92 ***
AKSELI	11	4320	89 ***		15	5971	92 ***		19	7259	96 **
PEPPI					7	5528	85 ***		6	6666	88 ***
RINGSAKER	2	4602	95		9	6300	97		9	7470	99
ROOPE	11	4476	93 *		13	6267	96 o		11	7306	97 o
ALKU	7	4790	99		6	6513	100		8	7496	99
BOR 09056									5	7514	100
STEINAR	4	4805	100		8	6661	103		6	7660	102
VIVIANA					7	6467	100		4	8012	106 *
MIRELLA	7	4698	97		6	6664	103		7	7536	100
NORD 12/325									5	7816	104
HARMONY									5	7679	102
SYMPHONY	11	5092	105 *		6	6659	103		11	7988	106 ***

Kaura, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu satotason mukaan

Oats, Official variety trials 2008 – 2015, Estimated variety means, Classification according to crop yields

Lajike		kpl	Alhainen satotaso kg/ha	Suhde- luku		kpl	Keskimääräinen satotaso kg/ha	Suhde- luku		kpl	Korkea satotaso kg/ha	Suhde- luku
Variety		trials	Low yield kg/ha	rel.		trials	Medium yield kg/ha	rel.		trials	High yield kg/ha	rel.
BELINDA	=C	17	4827	100		20	6496	100		21	7545	100
NORD 13/322										5	8215	109 ***
OBELIX		4	5180	107 o		5	6445	99		6	7330	97
MATTY		5	5443	113 ***		4	6666	103		10	7964	106 **
ROCKY		10	4864	101		10	6337	98		10	7832	104 *
CHARLY		10	4903	102		4	6248	96		2	7486	99
IIRIS		4	4804	100		11	6331	97		7	7539	100
BAUB 2008.1914						2	7518	116 ***		9	8373	111 ***
HARALD		3	5318	110 *		6	6543	101		6	7224	96 *
BOR 09091						5	6909	106 *		6	7744	103
BETTINA		4	5115	106		5	6762	104		5	7435	99
MOBY		11	5129	106 *		6	6771	104 o		5	8160	108 ***
NORD 13/324						4	6985	108 *		6	8103	107 ***
AVANTI		2	5577	116 **		2	6653	102		9	8166	108 ***
NORD 12/322						5	7394	114 ***		6	7699	102
BOR 11144										5	8020	106 **
NORD 13/318										5	8118	108 **

3.7. Herne / Pea / *Pisum sativum*

Herne, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot

Pea, Official variety trials 2008 – 2015, Estimated variety means

Lajike	Siemenen väri	kpl	Sato kg/ha	Sato-ero	Suhdeluku		kpl	Kasvuaika pv		kpl	Lako-%		kpl	Pituus cm
Variety	Seed Colour	trials	Yield kg/ha	Yield difference	rel.		trials	Growing time d		trials	Lodging %		trials	Length cm
KARITA	=C	36	3478	0	100		36	99		27	33		36	69
ROKKA		15	3603	125	104		15	98		13	33		14	67
HULDA		5	3461	-16	100		5	99		5	37		5	76 *
JERMU	K	10	4216	738	121	***	10	100		7	44		10	84 ***
ROCKET	K	10	4161	683	120	***	10	100		5	61 ***		10	82 ***
JYMY		12	3983	506	115	**	12	100		7	48 *		12	88 ***
INGRID	K	10	4526	1048	130	***	9	101 *		8	28		10	97 ***
ANTTI		14	3859	381	111	*	14	102 ***		10	43 o		13	93 ***
BOR 09036		9	4327	849	124	***	9	103 ***		8	37		9	88 ***
BOR 09093	K	4	4550	1072	131	***	4	104 ***		4	45		4	85 ***
ASTRONAUTE	K	6	4770	1292	137	***	6	104 ***		6	44		6	76 *
BOR 09035		4	4733	1255	136	***	4	105 ***		4	57 **		4	90 ***

K = keltasiemeninen / Yellow seeds

Herne, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
 Pea, Official variety trials 2008 – 2015, Estimated variety means

Lajike		Tsp g		Valk.- %		Valk.sato kg/ha		Kukinnan kesto		Keitto 60 min.		Virheetön herne %	
Variety	kpl trials	1000 seed weight g		Prot.- %		Prot.yield kg/ha		Length of flowering d		Cooking 60 min.		Perfect pea %	
KARITA	=C	36	303	37	22.9	36	684	15	11	36	97	37	87
ROKKA		15	294 *	15	23.5 o	15	731	7	10	15	97	15	87
HULDA		5	259 ***	5	24.3 **	5	733	4	14 o	4	97	5	86
JERMU		10	246 ***	10	22.0 *	10	794 **	7	15 **	9	93 *	10	86
ROCKET		10	249 ***	10	21.3 ***	10	768 *	5	13	10	91 ***	10	87
JYMY		12	268 ***	12	23.3	12	790 **	6	13	12	97	12	85
INGRID		10	329 ***	10	23.0	10	891 ***	4	11	10	95	10	85
ANTTI		13	265 ***	14	22.6	14	744 o	10	15 **	13	98	14	85
BOR 09036		9	286 ***	9	22.5	9	840 ***	1	22 **	9	93 **	9	84
BOR 09093		4	254 ***	4	23.8	4	936 ***	1	22 **	4	95	4	87
ASTRONAUTE		6	286 **	6	24.0 *	6	992 ***	1	16	6	95	6	62 ***
BOR 09035		4	258 ***	4	23.7	4	967 ***	1	22 **	4	95	4	88

Herne, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Pea, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike		Vyöhyke I kg/ha	Suhde- luku		Vyöhyke II kg/ha	Suhde- luku		Vyöhyke III kg/ha	Suhde- luku
Variety		Zone I kg/ha	rel.		Zone II kg/ha	rel.		Zone III kg/ha	rel.
KARITA	=C	3175	100	15	3489	100	7	4325	100
ROKKA		3378	106	4	3577	103	4	4383	101
HULDA		3282	103	2	3350	96			
JERMU		3669	116 o	4	4249	122 *	2	5394	125 *
ROCKET		3721	117 *	4	3935	113	2	5677	131 *
JYMY		3714	117 *	5	3888	111	2	4891	113
INGRID		4280	135 ***	4	4376	125 *	2	5363	124 o
ANTTI		3662	115 *	5	3596	103	3	4869	113
BOR 09036		4115	130 **	4	4540	130 **	2	4602	106
BOR 09093				2	4731	136 *			
ASTRONAUTE		4874	154 ***	2	4302	123			
BOR 09035				2	5080	146 **			

Herne, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vuosittain

Pea, Official variety trials 2008 – 2015, Estimated variety means, Classification according to years

Lajike		Vuosi 2013 kg/ha	Suhde- luku	kpl	Vuosi 2014 kg/ha	Suhde- luku	kpl	Vuosi 2015 kg/ha	Suhde- luku
Variety	trials	Year 2013 kg/ha	rel.	trials	Year 2014 kg/ha	rel.	trials	Year 2015 kg/ha	rel.
KARITA	=C			4	3098	100	4	4190	100
ROKKA				5	3493	113	4	3950	94
BOR 09036				5	4202	136 **	4	4746	113
BOR 09093							4	4998	119 o
ASTRONAUTE				2	4828	156 **	4	5106	122 o
BOR 09035							4	5180	124 *

Herne, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu maajeittain

Pea, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike		Karkeat kiv. maat kpl	kg/ha	Sato- ero	Suhde- luku		Savimaat kpl	kg/ha	Sato- ero	Suhde- luku
Variety		trials	Coarse mineral kg/ha	Yield difference	rel.		trials	Clay kg/ha	Yield difference	rel.
KARITA	=C	7	4229	0	100		27	3306	0	100
ROKKA		3	4287	58	101		10	3436	129	104
HULDA							4	3439	133	104
JERMU		2	4475	246	106		8	4154	848	126 ***
ROCKET		3	4742	513	112		7	4017	711	122 **
JYMY		3	4291	62	101		9	3941	635	119 **
INGRID		3	5190	961	123 *		7	4388	1082	133 ***
ANTTI		2	4486	257	106		12	3701	395	112 *
BOR 09036		3	4912	684	116		4	4317	1011	131 **
BOR 09093							3	4367	1061	132 **
ASTRONAUTE							4	4404	1098	133 ***
BOR 09035							3	4774	1468	144 ***

3.8. Härkäpapu / Broad bean / Vicia faba

Härkäpapu, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot

Broad bean, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Sato kg/ha	Sato- ero	Suhde- luku	kpl	Kasvuaika pv	kpl	Lako- %	kpl	Pituus cm
Variety		trials	Yield kg/ha	Yield difference	rel.	trials	Growing time d	trials	Lodging %	trials	Length cm
KONTU	=C	13	3283	0	100	12	102	6	51	13	86
SAMPO		11	3223	-60	98	10	97 ***	4	39 *	11	82 ***
LOUHI		11	3586	303	109 *	10	103	4	39 *	11	86

Härkäpapu, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot

Broad bean, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Tsp g	kpl	Valk.- %	kpl	Valk.sato kg/ha	kpl	Virheetön herne %
Variety		trials	1000 seed weight g	trials	Prot.- %	trials	Prot.yield kg/ha	trials	Perfect pea %
KONTU	=C	12	348	13	32	13	894	6	95
SAMPO		11	303 ***	11	34 ***	11	928	5	91
LOUHI		11	409 ***	11	31	11	963 o	5	93

Härkäpapu, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Broad bean, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike		Vyöhyke I kpl	Suhde- luku kg/ha	Vyöhyke II kpl	Suhde- luku kg/ha	Vyöhyke III kpl	Suhde- luku kg/ha
Variety	=C	Zone I trials	rel. kg/ha	Zone II trials	rel. kg/ha	Zone III trials	rel. kg/ha
KONTU	=C	5	3459	6	2923	2	3991
SAMPO		4	3392	5	2968	2	3660
LOUHI		4	3548	5	3328	2	4446

Härkäpapu, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vuosittain

Broad bean, Official variety trials 2008 – 2015, Estimated variety means, Classification according to years

Lajike		Vuosi 2013 kpl	Suhde- luku kg/ha	Vuosi 2014 kpl	Suhde- luku kg/ha	Vuosi 2015 kpl	Suhde- luku kg/ha
Variety	=C	Year 2013 trials	rel. kg/ha	Year 2014 trials	rel. kg/ha	Year 2015 trials	rel. kg/ha
KONTU	=C	4	3044	5	3833	2	2126
SAMPO		4	2844	5	3884	2	1851
LOUHI		4	3391	5	4140	2	2117

Härkäpapu, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu maajeittain

Broad bean, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike		Karkeat kiv. maat kpl kg/ha	Sato- ero	Suhde- luku		Savimaat kpl kg/ha	Sato- ero	Suhde- luku	
Variety		Coarse mineral kg/ha	Yield difference	rel.		Clay kg/ha	Yield difference	rel.	
KONTU	=C	4	3893	0	100	7	3201	0	100
SAMPO		3	3900	7	100	6	3013	-187	94
LOUHI		3	4404	511	113	6	3350	149	105

3.9. Kevättrypsi / Spring Turnip Rape / *Brassica rapa* L. var. *silvestris* (Lam.) Briggs

Kevättrypsi, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot

Spring turnip rape, Official variety trials 2008 – 2015, Estimated variety means

Lajike	kpl	Sato kg/ha	Sato- ero	Suhde- luku		kpl	Kasvu- aikapv		kpl	Lako- %		kpl	Pituus cm
Variety	trials	Yield kg/ha	Yield difference	rel.		trials	Growing time d		trials	Lodging %		trials	Length cm
CORDELIA =C	35	1933	0	100		30	103		24	38		34	108
BOR 11054	14	2137	204	111	***	12	101	***	10	17	***	13	105 *
APOLLO	9	1820	-112	94	o	8	102	o	7	50	**	9	105 o
BOR 12103	14	1923	-10	99		12	102	*	10	26	***	13	110 *
HENRIKA	14	1965	31	102		11	102		4	45		14	106
BOR 11055	7	2163	229	112	***	5	102		6	23	***	6	107
JULIET	22	1951	17	101		19	102		15	39		22	107
SW PETITA	52	1912	-20	99		44	103		29	32	*	51	105 ***
SC 3308	19	2012	79	104	o	17	103	o	9	37		19	109

Kevättrypsi, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Spring turnip rape, Official variety trials 2008 – 2015, Estimated variety means

Lajike		Tjp g	Valk.- %	Valk. sato kg/ha	Ölly-% 9 %	Öljysato kg/ha	Lehtivihreä ppm						
Variety	trials	1000 seed weight g	Prot.- %	Prot. yield kg/ha	Oil content 9 %	Oil yield kg/ha	Chlorophyll ppm						
CORDELIA	=C	35	2.8	35	22.8	35	396	35	41.9	35	818	35	12
BOR 11054		14	2.7	14	22.6	14	436 ***	14	41.9	14	905 ***	14	7 **
APOLLO		9	2.8	9	22.6	9	373 *	9	41.3 o	9	750 *	9	9
BOR 12103		14	3 ***	14	22.4 *	14	389	14	41.6	14	808	14	12
HENRIKA		14	2.8	14	22.8	14	402	14	42.6 *	14	843	14	9
BOR 11055		7	2.8	7	22.7	7	442 ***	7	41.6	7	913 **	7	8
JULIET		22	2.7 *	22	22.5 *	22	395	22	42.4 *	22	836	22	13
SW PETITA		52	2.9 ***	52	21.7 ***	52	373 ***	52	43.2 ***	52	836	52	13
SC 3308		19	2.8	19	22.4 *	19	404	19	42.3	19	861 o	19	12

Kevätrypsi, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Spring turnip rape, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike	kpl	Vyöhyke I	Suhde-	kpl	Vyöhyke II	Suhde-	kpl	Vyöhyke III	Suhde-
		kg/ha	luku		kg/ha	luku		kg/ha	luku
Variety	trials	Zone I kg/ha	rel.	trials	Zone II kg/ha	rel.	trials	Zone III kg/ha	rel.
CORDELIA =C	12	1967	100	10	1997	100	11	2067	100
BOR 11054	4	2248	114 ***	4	2119	106	4	2318	112 *
APOLLO	3	1900	97	2	1772	89	4	1983	96
BOR 12103	4	2017	103	4	1956	98	4	2033	98
HENRIKA	6	2026	103	5	1968	99	3	2118	102
BOR 11055	2	2344	119 ***	2	2127	107	2	2284	111 °
JULIET	8	1973	100	7	1983	99	7	2132	103
SW PETITA	20	1961	100	16	1983	99	14	2010	97
SC 3308	7	2017	103	7	2123	106	4	2044	99

Kevätrypsi, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vuosittain

Spring turnip rape, Official variety trials 2008 – 2015, Estimated variety means, Classification according to years

Lajike	Vuosi 2012 Suhde-			Vuosi 2013 Suhde-			Vuosi 2014 Suhde-			Vuosi 2015 Suhde-		
	kpl	kg/ha	luku	kpl	kg/ha	luku	kpl	kg/ha	luku	kpl	kg/ha	luku
Variety	trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.
CORDELIA =C							7	1936	100	7	2036	100
BOR 11054							7	2143	111 **	7	2168	106
BOR 12103							7	1993	103	7	1888	93
HENRIKA	6	1563										
BOR 11055										7	2190	108
SW PETITA	6	1451		4	1747		7	1897	98	7	1885	93
SC 3308	6	1622		4	1702		7	1990	103	2	2201	108

Kevätrypsi, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu maajeittain

Spring turnip rape, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike		Karkeat kiv. maat kg/ha	Suhde- luku		Savimaat kg/ha	Suhde- luku
Variety	kpl trials	Coarse mineral kg/ha	rel.	kpl trials	Clay kg/ha	rel.
CORDELIA =C	9	1953	100	26	1981	100
BOR 11054	6	1986	102	8	2305	116 ***
APOLLO	2	1818	93	7	1878	95
BOR 12103	6	1906	98	8	1990	100
HENRIKA	4	1993	102	10	1985	100
BOR 11055	3	2162	111 *	4	2218	112 **
JULIET	3	2011	103	19	1997	101
SW PETITA	13	1869	96	39	1974	100
SC 3308	6	2159	111 **	13	1980	100

3.10. Kevätrapsi / Spring Oilseed Rape / *Brassica napus* L. var *subsp. oleifera annua*

Kevätrapsi, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot

Spring oilseed rape, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Sato kg/ha	Sato- ero	Suhde- luku		kpl	Kasvu- aikapv		kpl	Lako- %		kpl	Pituus cm
Variety		trials	Yield kg/ha	Yield difference	rel.		trials	Growing time d		trials	Lodging %		trials	Length cm
TRAPPER	H =C	37	2456	0	100		34	114		19	18		37	98
7130 CL		16	2385	-70	97		16	114		10	22		16	101 *
CLEOPATRA		11	2467	11	100		11	114		7	5 **		11	94 **
SMILLA	H	12	2550	94	104		10	115		5	8 *		12	99
DRAGO	H	10	2714	258	111 **		10	115		7	10 o		10	100
DK 7150 CL		10	2118	-337	86 ***		9	115		6	24		10	101 o
DK 7160 CL		10	2067	-388	84 ***		9	115		6	44 ***		10	92 ***
CAMPINO		28	2429	-26	99		27	115		16	15		28	98
DK 7175		16	2249	-206	92 **		15	115		10	14		16	106 ***
PROXIMO		26	2519	63	103		24	116 **		15	12 o		26	100
BELINDA	H	18	2411	-44	98		15	116 **		8	17		18	100
BRANDO	H	11	2614	158	106 o		9	117 *		3	13		11	107 ***
RASMA		5	2385	-70	97		5	117 *		5	18		5	103 *
BRANDER	H	16	2730	275	111 ***		15	117 ***		10	14		16	106 ***
TAMARIN		11	2472	16	101		9	117 **		3	11		11	101 o
SILVERSHADOW	H	10	2071	-384	84 ***		9	117 ***		8	23		10	98
MAJONG	H	19	2744	288	112 ***		17	118 ***		9	12		19	106 ***
DODGER	H	16	2552	96	104		15	118 ***		10	8 **		16	108 ***
AXANA	H	11	2508	53	102		10	118 ***		5	14		11	108 ***
BUILDER	H	16	2614	158	106 *		15	119 ***		10	13		16	107 ***
SUNDER	H	11	2732	276	111 ***		11	119 ***		7	14		11	105 ***

H = hybridilajike / Hybrid variety

Kevätrapsi, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot

Spring oilseed rape, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Tip g		kpl	Valk.- %		kpl	Valk. sato kg/ha		kpl	Öljy-% 9 %		kpl	Öljysato kg/ha		kpl	Lehtivihreä ppm
Variety		trials	1000 seed weight g		trials	Prot.- %		trials	Prot. yield kg/ha		trials	Oil content 9 %		trials	Oil yield kg/ha		trials	Chlorophyll ppm
TRAPPER	H =C	37	4.1		37	22.9		37	506		37	42.9		37	1067		36	14
7130 CL		16	3.6 ***		16	23.2		16	496		16	43.3		16	1041		15	7
CLEOPATRA		11	4.5 ***		11	22.0 ***		11	488		11	43.4		11	1077		10	16
SMILLA	H	12	3.8 **		12	23.0		12	526		12	41.7 **		12	1086		12	20
DRAGO	H	10	4.2		10	22.4 o		10	544 *		10	42.8		10	1174 **		9	19
DK 7150 CL		10	4.5 ***		10	23.7 **		10	441 ***		10	43.9 *		10	948 **		10	47 ***
DK 7160 CL		10	4.2		10	24.1 ***		10	439 ***		10	42.6		10	898 ***		10	28 o
CAMPINO		28	4.3 **		28	21.5 ***		28	466 ***		28	43.4		28	1063		27	21
DK 7175		16	4.0		16	22.7		16	453 ***		16	44.5 ***		16	1014		15	24
PROXIMO		26	4.3 *		26	21.9 ***		26	497		26	43.8 **		26	1108		25	19
BELINDA	H	18	4.5 ***		18	23.4 *		18	504		18	42.9		18	1051		18	33 **
BRANDO	H	11	4.4 *		11	22.4		11	533		11	42.7		11	1138 o		11	21
RASMA		5	4.1		5	21.6 ***		5	457 *		5	46.6 ***		5	1133		5	2
BRANDER	H	16	4.2		16	22.5 o		16	554 ***		16	44.5 ***		16	1221 ***		15	22
TAMARIN		11	4.4 *		11	23.2		11	522		11	42.0 o		11	1067		11	19
SILVERSHADOW	H	10	4.2		10	22.4 o		10	415 ***		10	43.0		10	896 ***		10	51 ***
MAJONG	H	19	4.6 ***		19	22.5 o		19	559 ***		19	44.3 ***		19	1221 ***		18	21
DODGER	H	16	4.1		16	23.8 ***		16	542 **		16	44.2 ***		16	1143 *		15	24
AXANA	H	11	4.6 ***		11	22.9		11	512		11	44.0 *		11	1116		10	36 **
BUILDER	H	16	4.5 ***		16	23.0		16	535 *		16	44.7 ***		16	1182 ***		15	48 ***
SUNDER	H	11	4.4 *		11	22.1 **		11	541 *		11	45.1 ***		11	1248 ***		10	33 *

Kevätrapsi, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Spring oilseed rape, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike			kpl	Vyöhyke I kg/ha	Suhde- luku		kpl	Vyöhyke II kg/ha	Suhde- luku
Variety			trials	Zone I kg/ha	rel.		trials	Zone II kg/ha	rel.
TRAPPER	H	=C	21	2489	100		16	2524	100
7130 CL			8	2351	94		8	2521	100
CLEOPATRA			5	2451	98		6	2578	102
SMILLA	H		7	2535	102		5	2678	106
DRAGO	H		4	2876	116 **		6	2701	107
DK 7150 CL			6	2155	87 **		4	2183	86 *
DK 7160 CL			6	2127	85 ***		4	2096	83 **
CAMPINO			16	2464	99		12	2496	99
DK 7175			8	2289	92 *		8	2314	92 o
PROXIMO			14	2564	103		12	2572	102
BELINDA	H		11	2422	97		7	2507	99
BRANDO	H		7	2686	108 *		4	2621	104
RASMA			2	2334	94		3	2516	100
BRANDER	H		8	2747	110 **		8	2816	112 **
TAMARIN			7	2554	103		4	2462	98
SILVERSHADOW	H		5	2125	85 ***		5	2121	84 **
MAJONG	H		10	2712	109 **		9	2884	114 ***
DODGER	H		8	2583	104		8	2622	104
AXANA	H		6	2537	102		5	2579	102
BUILDER	H		8	2623	105		8	2706	107 o
SUNDER	H		5	2792	112 **		6	2780	110 *

Kevätropsi, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vuosittain

Spring oilseed rape, Official variety trials 2008 – 2015, Estimated variety means, Classification according to years

Lajike		Vuosi 2012			Vuosi 2013			Vuosi 2014			Vuosi 2015		
		kpl	kg/ha	Suhde- luku	kpl	kg/ha	Suhde- luku	kpl	kg/ha	Suhde- luku	kpl	kg/ha	Suhde- luku
Variety		trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.
TRAPPER	H =C	5	2018	100	5	2520	100	6	2164	100	5	3017	100
7130 CL		5	2105	104				6	2077	96	5	2748	91 o
CLEOPATRA								6	2200	102	5	2858	95
SMILLA	H	2	2133	106	2	2639	105						
DRAGO	H							5	2416	112 *	5	3150	104
DK 7150 CL		5	1873	93	5	1977	78 ***						
DK 7160 CL		5	1834	91	5	1914	76 ***						
CAMPINO		5	2071	103	4	2365	94	6	2307	107	5	2808	93
DK 7175					5	2210	88 *	6	1815	84 **	5	2850	94
PROXIMO		5	2099	104	5	2467	98	6	2220	103	5	2977	99
BELINDA	H	5	1916	95	5	2357	94						
RASMA											5	2857	95
BRANDER	H				5	2652	105	6	2478	114 **	5	3172	105
SILVERSHADOW	H				5	2185	87 *				5	2417	80 ***
MAJONG	H							6	2380	110 o	5	3204	106
DODGER	H				5	2561	102	6	2099	97	5	3144	104
AXANA	H				5	2598	103	6	2091	97			
BUILDER	H				5	2637	105	6	2183	101	5	3166	105
SUNDER	H							6	2325	107	5	3290	109 *

Kevätropsi, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu maajeittain

Spring oilseed rape, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike		kpl	Karkeat kiv. maat kg/ha	Suhde- luku		kpl	Savimaat kg/ha	Suhde- luku	
Variety		trials	Coarse mineral kg/ha	rel.		trials	Clay kg/ha	rel.	
TRAPPER	H =C	7	2425	100		30	2526	100	
7130 CL		3	2496	103		13	2417	96	
CLEOPATRA		2	2583	107		9	2500	99	
SMILLA	H	2	2672	110		10	2571	102	
DRAGO	H	2	2506	103		8	2826	112	***
DK 7150 CL		2	2448	101		8	2087	83	***
DK 7160 CL		2	2342	97		8	2049	81	***
CAMPINO		5	2522	104		23	2473	98	
DK 7175		3	2470	102		13	2253	89	***
PROXIMO		5	2594	107		21	2559	101	
BELINDA	H	4	2611	108		14	2413	96	
BRANDO	H	3	2569	106		8	2715	107	*
RASMA						4	2439	97	
BRANDER	H	3	2694	111	o	13	2799	111	***
TAMARIN		3	2351	97		8	2602	103	
SILVERSHADOW	H	2	2122	88	o	8	2120	84	***
MAJONG	H	4	2848	117	**	15	2776	110	***
DODGER	H	3	2488	103		13	2626	104	
AXANA	H	2	2501	103		9	2569	102	
BUILDER	H	3	2813	116	*	13	2627	104	
SUNDER	H	2	2689	111		9	2800	111	**

Kevätrapsi, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Spring oilseed rape, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Sato kg/ha	Sato- ero	Suhde- luku		kpl	Kasvu- aikapv		kpl	Lako- %		kpl	Pituus cm
Variety		trials	Yield kg/ha	Yield difference	rel.		trials	Growing time d		trials	Lodging- %		trials	Length cm
CAMPINO	=C	28	2429	0	100		27	115		16	15		28	98
7130 CL		16	2385	-43	98		16	114 *		10	22 o		16	101 *
CLEOPATRA		11	2467	38	102		11	114		7	5 *		11	94 **
TRAPPER	H	37	2456	27	101		34	114		19	18		37	98
SMILLA	H	12	2550	121	105		10	115		5	8		12	99
DRAGO	H	10	2714	285	112 ***		10	115		7	10		10	100
DK 7150 CL		10	2118	-310	87 ***		9	115		6	24 *		10	101 o
DK 7160 CL		10	2067	-361	85 ***		9	115		6	44 ***		10	92 ***
DK 7175		16	2249	-179	93 *		15	115		10	14		16	106 ***
PROXIMO		26	2519	90	104		24	116		15	12		26	100
BELINDA	H	18	2411	-17	99		15	116		8	17		18	100
BRANDO	H	11	2614	185	108 *		9	117 o		3	13		11	107 ***
RASMA		5	2385	-43	98		5	117 o		5	18		5	103 *
BRANDER	H	16	2730	302	112 ***		15	117 **		10	14		16	106 ***
TAMARIN		11	2472	43	102		9	117 *		3	11		11	101 o
SILVERSHADOW	H	10	2071	-357	85 ***		9	117 **		8	23 o		10	98
MAJONG	H	19	2744	315	113 ***		17	118 ***		9	12		19	106 ***
DODGER	H	16	2552	123	105 o		15	118 ***		10	8 o		16	108 ***
AXANA	H	11	2508	80	103		10	118 ***		5	14		11	108 ***
BUILDER	H	16	2614	185	108 **		15	119 ***		10	13		16	107 ***
SUNDER	H	11	2732	303	112 ***		11	119 ***		7	14		11	105 ***

H = hybridilajike / Hybrid variety

Kevätropsi, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Spring oilseed rape, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Tjp g		kpl	Valk.- %		kpl	Valk. sato kg/ha		kpl	Öljy-% 9 %		kpl	Öljysato kg/ha		kpl	Lehtivihreä ppm
Variety		trials	1000 seed weight g		trials	Prot.- %		trials	Prot. yield kg/ha		trials	Oil content 9 %		trials	Oil yield kg/ha		trials	Chlorophyll ppm
CAMPINO	=C	28	4.3		28	21.5		28	466		28	43.4		28	1063		27	21
7130 CL		16	3.6 ***		16	23.2 ***		16	496 *		16	43.3		16	1041		15	7 o
CLEOPATRA		11	4.5		11	22.0 o		11	488		11	43.4		11	1077		10	16
TRAPPER	H	37	4.1 **		37	22.9 ***		37	506 ***		37	42.9		37	1067		36	14
SMILLA	H	12	3.8 ***		12	23.0 ***		12	526 ***		12	41.7 ***		12	1086		12	20
DRAGO	H	10	4.2		10	22.4 ***		10	544 ***		10	42.8		10	1174 **		9	19
DK 7150 CL		10	4.5 *		10	23.7 ***		10	441		10	43.9		10	948 **		10	47 **
DK 7160 CL		10	4.2		10	24.1 ***		10	439		10	42.6		10	898 ***		10	28
DK 7175		16	4.0 ***		16	22.7 ***		16	453		16	44.5 **		16	1014		15	24
PROXIMO		26	4.3		26	21.9 *		26	497 *		26	43.8		26	1108		25	19
BELINDA	H	18	4.5 o		18	23.4 ***		18	504 **		18	42.9		18	1051		18	33 o
BRANDO	H	11	4.4		11	22.4 **		11	533 ***		11	42.7		11	1138 o		11	21
RASMA		5	4.1		5	21.6		5	457		5	46.6 ***		5	1133		5	2
BRANDER	H	16	4.2		16	22.5 ***		16	554 ***		16	44.5 **		16	1221 ***		15	22
TAMARIN		11	4.4		11	23.2 ***		11	522 **		11	42.0 **		11	1067		11	19
SILVERSHADOW	H	10	4.2		10	22.4 **		10	415 **		10	43.0		10	896 ***		10	51 ***
MAJONG	H	19	4.6 ***		19	22.5 ***		19	559 ***		19	44.3 *		19	1221 ***		18	21
DODGER	H	16	4.1		16	23.8 ***		16	542 ***		16	44.2 *		16	1143 *		15	24
AXANA	H	11	4.6 ***		11	22.9 ***		11	512 **		11	44.0		11	1116		10	36 o
BUILDER	H	16	4.5 *		16	23.0 ***		16	535 ***		16	44.7 **		16	1182 ***		15	48 ***
SUNDER	H	11	4.4		11	22.1 *		11	541 ***		11	45.1 ***		11	1248 ***		10	33

Kevätropsi, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Spring oilseed rape, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike		kpl	Vyöhyke I kg/ha	Suhde- luku		kpl	Vyöhyke II kg/ha	Suhde- luku
Variety		trials	Zone I kg/ha	rel.		trials	Zone II kg/ha	rel.
CAMPINO	=C	16	2464	100		12	2496	100
7130 CL		8	2351	95		8	2521	101
CLEOPATRA		5	2451	99		6	2578	103
TRAPPER	H	21	2489	101		16	2524	101
SMILLA	H	7	2535	103		5	2678	107
DRAGO	H	4	2876	117 ***		6	2701	108 o
DK 7150 CL		6	2155	87 **		4	2183	87 *
DK 7160 CL		6	2127	86 **		4	2096	84 **
DK 7175		8	2289	93 o		8	2314	93
PROXIMO		14	2564	104		12	2572	103
BELINDA	H	11	2422	98		7	2507	100
BRANDO	H	7	2686	109 *		4	2621	105
RASMA		2	2334	95		3	2516	101
BRANDER	H	8	2747	111 **		8	2816	113 **
TAMARIN		7	2554	104		4	2462	99
SILVERSHADOW	H	5	2125	86 **		5	2121	85 **
MAJONG	H	10	2712	110 **		9	2884	116 ***
DODGER	H	8	2583	105		8	2622	105
AXANA	H	6	2537	103		5	2579	103
BUILDER	H	8	2623	106 o		8	2706	108 o
SUNDER	H	5	2792	113 **		6	2780	111 *

Kevätropsi, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vuosittain

Spring oilseed rape, Official variety trials 2008 – 2015, Estimated variety means, Classification according to years

Lajike		Vuosi 2012			Vuosi 2013			Vuosi 2014			Vuosi 2015		
		kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku
Variety		Year 2012 trials	kg/ha	rel.	Year 2013 trials	kg/ha	rel.	Year 2014 trials	kg/ha	rel.	Year 2015 trials	kg/ha	rel.
CAMPINO	=C	5	2071	100	4	2365	100	6	2307	100	5	2808	100
7130 CL		5	2105	102				6	2077	90 *	5	2748	98
CLEOPATRA								6	2200	95	5	2858	102
TRAPPER	H	5	2018	97	5	2520	107	6	2164	94	5	3017	107
SMILLA	H	2	2133	103	2	2639	112						
DRAGO	H							5	2416	105	5	3150	112 *
DK 7150 CL		5	1873	90	5	1977	84 **						
DK 7160 CL		5	1834	89	5	1914	81 **						
DK 7175					5	2210	93	6	1815	79 ***	5	2850	101
PROXIMO		5	2099	101	5	2467	104	6	2220	96	5	2977	106
BELINDA	H	5	1916	93	5	2357	100						
RASMA											5	2857	102
BRANDER	H				5	2652	112 *	6	2478	107	5	3172	113 **
SILVERSHADOW	H				5	2185	92				5	2417	86 **
MAJONG	H							6	2380	103	5	3204	114 **
DODGER	H				5	2561	108	6	2099	91 o	5	3144	112 *
AXANA	H				5	2598	110 o	6	2091	91 o			
BUILDER	H				5	2637	111 o	6	2183	95	5	3166	113 **
SUNDER	H							6	2325	101	5	3290	117 ***

Kevätropsi, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu maajeittain

Spring oilseed rape, Official variety trials 2008 – 2015, Estimated variety means, Classification according to soil types

Lajike		kpl	Karkeat kiv. maat kg/ha	Suhde- luku		kpl	Savimaat kg/ha	Suhde- luku	
Variety		trials	Coarse mineral kg/ha	rel.		trials	Clay kg/ha	rel.	
CAMPINO	=C	5	2522	100		23	2473	100	
7130 CL		3	2496	99		13	2417	98	
CLEOPATRA		2	2583	102		9	2500	101	
TRAPPER	H	7	2425	96		30	2526	102	
SMILLA	H	2	2672	106		10	2571	104	
DRAGO	H	2	2506	99		8	2826	114	***
DK 7150 CL		2	2448	97		8	2087	84	***
DK 7160 CL		2	2342	93		8	2049	83	***
DK 7175		3	2470	98		13	2253	91	**
PROXIMO		5	2594	103		21	2559	103	
BELINDA	H	4	2611	104		14	2413	98	
BRANDO	H	3	2569	102		8	2715	110	*
RASMA						4	2439	99	
BRANDER	H	3	2694	107		13	2799	113	***
TAMARIN		3	2351	93		8	2602	105	
SILVERSHADOW	H	2	2122	84	*	8	2120	86	***
MAJONG	H	4	2848	113	*	15	2776	112	***
DODGER	H	3	2488	99		13	2626	106	*
AXANA	H	2	2501	99		9	2569	104	
BUILDER	H	3	2813	112	o	13	2627	106	*
SUNDER	H	2	2689	107		9	2800	113	***

3.11. Syysrapsi ja syysrypsi / Winter oilseed rape and winter turnip rape / *Brassica napus* L. & *Brassica rapa* L. var. *silvestris* (Lam.) Briggs

Syysrapsi ja syysrypsi, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot

Winter oilseed rape and winter turnip rape, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Sato kg/ha	Sato- ero	Suhde- luku	kpl	Talvi- tuho %	kpl	Kasvu- aika pv	kpl	Lako- %	kpl	Pituus cm
Variety		trials	Yield kg/ha	Yield difference	rel.	trials	Winter damage %	trials	Growing time d	trials	Lodging %	trials	Length cm
VECTRA	=C	8	2255	0	100	8	22	5	364	3	3	8	121
LARGO ²⁾		6	2191	-63	97	8	11	4	352 ***	3	6	8	128 o
LEGATO ²⁾		6	2244	-10	100	8	12	4	352 ***	3	8	8	131 *
RETUR ²⁾		4	1990	-264	88	6	10	2	353 ***	3	10	6	128 o
PR46W24		5	2404	149	107	5	23	2	364			5	121
PX109 ¹⁾		6	2399	144	106	6	21	3	364	3	2	6	98 ***
PR44D06 ¹⁾		7	2725	470	121	8	22	4	365	3	0	7	109 **
ALABASTER		8	2273	18	101	8	32	5	365	3	7	8	117
PX113 ¹⁾		3	2047	-207	91	3	19	3	365	2	0	3	99 ***
ARMSTONG		3	2803	548	124	3	18	3	366 o	2	0	3	127
BRENTANO		6	2203	-51	98	6	25	3	366 o	3	1	6	126
CORTES		3	3187	932	141 *	3	19	3	366 o	2	1	3	122
THURE ¹⁾		6	2876	621	128 o	6	18	3	367 **	3	0	6	115

1) = puolikäpiölajike / semi-dwarf variety

2) = syysrypsi / winter turnip rape

Syysrapsi ja syysrypsi, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot

Winter oilseed rape and winter turnip rape, Official variety trials 2008 – 2015, Estimated variety means

Lajike		Tjp g		Valk.- %		Valk. sato kg/ha		Öljy-% 9 %		Öljysato kg/ha		Lehtivihreä ppm
Variety	kpl trials	1000 seed weight g		Prot.- %		Prot. yield kg/ha		Oil content 9 %		Oil yield kg/ha		Chlorophyll ppm
VECTRA =C	8	6.5		8 22.2		8 420		8 41.7		8 966		8 17
LARGO ²⁾	6	3.0 ***		6 24.0 *		6 467		6 40.1 *		6 887		6 14
LEGATO ²⁾	6	3.1 ***		6 23.9 *		6 466		6 40.7		6 936		6 13
RETUR ²⁾	4	3.2 ***		4 23.3		4 415		4 40.4 o		4 802		4 14
PR46W24	5	5.2 ***		5 21.1		5 437		5 45.3 ***		5 1095		5 16
PX109 ¹⁾	6	6.7		6 21.6		6 448		6 43.1 *		6 1058		6 13
PR44D06 ¹⁾	7	5.6 ***		7 21.3		7 500		7 43.9 ***		7 1221 o		7 16
ALABASTER	8	5.8 **		8 21.2		8 403		8 43.1 *		8 1011		8 18
PX113 ¹⁾	3	5.7 *		3 21.6		3 391		3 43.9 **		3 915		3 15
ARMSTONG	3	6.2		3 20.5 o		3 479		3 46.3 ***		3 1364 *		3 14
BRENTANO	6	6.0 o		6 21.1		6 385		6 44.5 ***		6 1024		6 16
CORTES	3	5.8 *		3 20.9		3 554 o		3 44.1 **		3 1461 *		3 13
THURE ¹⁾	6	6.1		6 21.0 o		6 518 o		6 42.7		6 1253 o		6 15

1) = puolikääpiölajike / semi-dwarf variety

2) = syysrypsi / winter turnip rape

Syysrapsi ja syysrypsi, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vyöhykkeittäin

Winter oilseed rape and winter turnip rape, Official variety trials 2008 – 2015, Estimated variety means, Classification according to cropping zones

Lajike		Vyöhyke I	Suhde-		Vyöhyke II	Suhde-
	kpl	kg/ha	luku		kg/ha	luku
Variety	trials	Zone I	rel.	trials	Zone II	rel.
		kg/ha			kg/ha	
VECTRA =C	4	2772	100	4	1892	100
LARGO ²⁾	4	2851	103	2	1589	84
LEGATO ²⁾	4	2917	105	2	1618	86
RETUR ²⁾	4	2535	91			
PR46W24	2	2657	96	3	2219	117
PX109 ¹⁾	4	2966	107	2	1945	103
PR44D06 ¹⁾	4	3324	120	3	2242	118
ALABASTER	4	2485	90	4	2214	117
PX113 ¹⁾	2	2821	102			
ARMSTONG	2	3283	118			
BRENTANO	4	2733	99	2	1823	96
CORTES	2	3688	133			
THURE ¹⁾	4	3539	128	2	2228	118

1) = puolikäpiölajike / semi-dwarf variety

2) = syysrypsi / winter turnip rape

Syysrapsi ja syysrypsi, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu vuosittain

Winter oilseed rape and winter turnip rape, Official variety trials 2008 – 2015, Estimated variety means, Classification according to years

Lajike		Vuosi 2013	Suhde-		Vuosi 2014	Suhde-		Vuosi 2015	Suhde-
	kpl	kg/ha	luku		kg/ha	luku		kg/ha	luku
Variety	trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.
VECTRA =C	2	1399	100	3	1792	100	3	3494	100
LARGO ²⁾	2	950	68 **	2	2811	157	2	2692	77 *
LEGATO ²⁾	2	980	70 **	2	3069	171 o	2	2564	73 *
RETUR ²⁾				2	2364	132	2	2505	72 *
PR46W24	2	1507	108	3	2290	128			
PX109 ¹⁾				3	2300	128	3	3377	97
PR44D06 ¹⁾				3	2900	162 o	3	3532	101
ALABASTER	2	1419	101	3	1685	94	3	3635	104
PX113 ¹⁾							3	2965	85
ARMSTONG							3	3720	106
BRENTANO				3	1828	102	3	3457	99
CORTES							3	4104	117 o
THURE ¹⁾				3	2902	162 o	3	3727	107

1) = puolikäppiölajike / semi-dwarf variety

2) = syysrypsi / winter turnip rape

3.12. Timotei / Timothy / *Phleum pratense* L.

Timotei, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot

Timothy, Official variety trials 2008 – 2015, Estimated variety means

Lajike	Kok.sato		Sato-	Suhde-	1. niiton		Suhde-	Talvi-		Syys-		Kevät-	
	kpl	kg/ha	ero	luku	kpl	sato kg/ha	luku	kpl	tuho %	kpl	tiheys %	kpl	tiheys %
Variety	trials	Total Yield kg/ha	Yield difference	rel.	trials	Yield 1st cut kg/ha	rel.	trials	Winter damage %	trials	Autumn Cover %	trials	Spring Cover %
GRINDSTAD =C	86	11373	0	100	86	5052	100	86	4	83	94	84	92
RAKEL	29	11422	49	100	29	5178	103 o	29	3	28	95	29	93 o
BOR 0822	16	11302	-70	99	16	4833	96 *	16	6 *	16	96 *	16	90 o
RUBINIA	24	11167	-205	98	24	5243	104 *	24	3	23	95	23	93
RHONIA	24	11038	-334	97 **	24	5082	101	24	3	23	97 **	23	95 ***
SWITCH	32	10964	-408	96 ***	32	4728	94 ***	32	5 o	31	92 ***	31	89 ***
NUUTTI	27	10799	-572	95 ***	27	5106	101	27	3	26	95	26	93
BOR 0828	16	10728	-644	94 ***	16	4952	98	16	4	16	95	16	92
JONATAN	3	10446	-926	92 **	3	5070	100	3	1	3	94	3	93
TENHO	33	10418	-954	92 ***	33	5003	99	33	4	31	95	31	92
TRYGGVE	27	10408	-963	92 ***	27	5054	100	27	3	26	95	27	93 o
BOR 0504	21	10372	-1000	91 ***	21	5105	101	21	3	21	95	21	93
UULA	31	10347	-1025	91 ***	31	5166	102 o	31	2 **	29	95	29	94 ***
TUURE	39	10317	-1055	91 ***	39	5130	102	39	3	38	96 **	38	94 **
TAMMISTO II	37	10311	-1061	91 ***	37	5012	99	37	3	35	95	35	93
SLEIPNIR	16	10299	-1073	91 ***	16	4879	97 o	16	5	16	94	16	90

Timotei, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
 Timothy, Official variety trials 2008 – 2015, Estimated variety means

Lajike	kpl	Sato 1.v kg/ha	Suhde- luku	kpl	Sato 2.v kg/ha	Suhde- luku	kpl	Sato 3.v kg/ha	Suhde- luku
Variety	trials	Total yield 1st year kg/ha	rel.	trials	Total yield 2nd year kg/ha	rel.	trials	Total yield 3rd year kg/ha	rel.
GRINDSTAD =C	29	11645	100	29	11085	100	28	10579	100
RAKEL	11	11690	100	11	11042	100	7	10849	103
BOR 0822	8	11779	101	8	10788	97			
RUBINIA	9	11481	99	9	11010	99	6	10149	96
RHONIA	9	11307	97 o	9	10728	97 o	6	10321	98
SWITCH	11	10952	94 ***	11	10877	98	10	10282	97
NUUTTI	8	10829	93 ***	8	10504	95 **	11	10152	96 *
BOR 0828	8	11007	95 **	8	10410	94 **			
TENHO	10	10808	93 ***	10	10114	91 ***	13	9522	90 ***
TRYGGVE	7	10773	93 ***	7	10442	94 *	13	9395	89 ***
BOR 0504	7	10776	93 ***	7	10144	92 ***	7	9396	89 ***
UULA	9	10530	90 ***	9	10168	92 ***	13	9503	90 ***
TUURE	12	10688	92 ***	12	10095	91 ***	15	9375	89 ***
TAMMISTO II	10	10910	94 ***	10	10062	91 ***	17	9275	88 ***
SLEIPNIR	8	10447	90 ***	8	10113	91 ***			

Timotei, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
 Timothy, Official variety trials 2008 – 2015, Estimated variety means

Lajike	Valk.- kpl %		Valk. sato kpl 1.niitto		Valk.sato kpl kg/ha		Bot. anal- kpl %		Tähk.alku kpl vrk		Kuiva- kpl aine-%	
Variety	trials	%	trials	Prot.yield 1st cut	trials	Prot.yield kg/ha	trials	%	trials	Coming into ear, days	trials	Dry matter %
GRINDSTAD =C	30	12.6	30	599	30	1469	84	99	77	43	82	22.7
RAKEL	12	13.1	12	635 o	12	1472	27	99	24	44 o	28	22.6
BOR 0822	15	12.6	15	562 *	15	1422	14	99	13	44 ***	13	22.1 *
RUBINIA	6	12.9	6	651 *	6	1484	24	99	20	45 ***	23	21.5 ***
RHONIA	6	12.6	6	587	6	1396	24	99	20	44 ***	23	21.9 ***
SWITCH	8	12.9	8	593	8	1434	32	99	29	44 **	32	22.4 o
NUUTTI	9	12.6	9	612	9	1409	27	99	21	45 ***	26	21.4 ***
BOR 0828	15	12.4	15	577	15	1381 **	14	99	13	44 ***	13	21.3 ***
JONATAN							3	99	3	46 ***	3	21.5 **
TENHO	6	13.1	6	586	6	1380 *	33	99	29	45 ***	32	21.1 ***
TRYGGVE	4	12.9	4	657 o	4	1417	27	99	25	45 ***	27	21.0 ***
BOR 0504	9	13.2	9	654 *	9	1439	21	99	19	45 ***	20	21.1 ***
UULA	10	12.9	10	640 o	10	1402 o	31	99	26	45 ***	30	20.9 ***
TUURE	10	13.5 *	10	644 *	10	1373 **	39	99	33	46 ***	38	21.1 ***
TAMMISTO II	7	13.1	7	621	7	1406	37	99	33	45 ***	37	21.3 ***
SLEIPNIR	15	12.8	15	577	15	1360 ***	14	99	13	45 ***	13	21.2 ***

Timotei, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu sato viljelyvyöhykkeittäin

Timothy, Official variety trials 2008 – 2015, Estimated variety means, Classification of yield according to cropping zones

Lajike		Vyöhyke1		Suhde-	Vyöhyke2		Suhde-	Vyöhyke3		Suhde-	Vyöhyke4		Suhde-	Vyöhyke5		Suhde-
Variety		kpl	kg/ha	luku	kpl	kg/ha	luku	kpl	kg/ha	luku	kpl	kg/ha	luku	kpl	kg/ha	luku
		Zone 1		rel.	Zone 2		rel.	Zone 3		rel.	Zone 4		rel.	Zone 5		rel.
		trial	kg/ha		trial	kg/ha		trial	kg/ha		trial	kg/ha		trial	kg/ha	
GRIND-STAD	=C	4	11927	100	22	10071	100	28	13463	100	20	10410	100	12	11366	100
RAKEL					8	9756	97 o	8	13722	102	10	10568	102	3	11771	104
BOR 0822					2	11173	111 ** *	8	13589	101	4	9612	92 **	2	10747	95
RUBINIA					8	10312	102	6	12900	96 o	7	10219	98	3	11172	98
RHONIA					8	9930	99	6	12736	95 *	7	10283	99	3	11345	100
SWITCH					9	9739	97 *	12	12845	95 *	8	10024	96 *	3	11754	103
NUUTTI					6	9546	95 **	5	12943	96	15	9865	95 ** *			
BOR 0828					2	10418	103	8	12699	94 *	4	9656	93 **	2	10377	91 o
JONATAN								3	12519	93 *						
TENHO					10	9340	93 ** *	7	12518	93 **	11	9544	92 ** *	4	10177	90 **
TRYGGVE					7	9161	91 ** *	8	12538	93 **	8	9480	91 ** *	4	10324	91 **
BOR 0504		3	9888	83 *	6	9280	92 ** *	6	12547	93 **	3	9605	92 **	3	10249	90 *
UULA					10	9225	92 ** *	7	12454	93 ** *	10	9608	92 ** *	3	9969	88 **
TUURE					9	9711	96 *	11	12259	91 ** *	15	9240	89 ** *	4	10117	89 **
TAMMISTO II					11	9419	94 ** *	11	12464	93 ** *	10	9160	88 ** *	4	10022	88 ***
SLEIPNIR					2	9980	99	8	12151	90 ** *	4	9312	89 ** *	2	10265	90 *

Timotei, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu talvituho viljelyvyöhykkeittäin

Timothy, Official variety trials 2008 – 2015, Estimated variety means, Classification of winter damage according to cropping zones

Lajike	Vyöhyke1			Vyöhyke2			Vyöhyke3			Vyöhyke4			Vyöhyke5		
	kpl	Talvi- tuho %	Suhde- luku	kpl	Talvi- tuho %	Suhde- luku	kpl	Talvi- tuho %	Suhde- luku	kpl	Talvi- tuho %	Suhde- luku	kpl	Talvi- tuho %	Suhde- luku
Variety	trials	Winter damage %	rel.	trials	Winter damage %	rel.	trials	Winter damage %	rel.	trials	Winter damage %	rel.	trials	Winter damage %	rel.
GRINDSTAD =C	4	2.3	100	22	1.7	100	28	3.6	100	20	4.7	100	12	8.9	100
RAKEL				8	2.5	146	8	2.9	79	10	4.2	89	3	3.1	35 **
BOR 0822				2	1.5	88	8	3.5	95	4	12.2	258 **	2	12.6	141
RUBINIA				8	1.2	72	6	1.5	42 o	7	4.0	84	3	7.5	84
RHONIA				8	1.5	86	6	3.4	93	7	2.9	60	3	6.5	73
SWITCH				9	1.8	103	12	5.8	160 *	8	5.8	122	3	11.8	133
NUUTTI				6	1.4	82	5	5.2	144	15	3.1	65			
BOR 0828				2	1.5	88	8	3.5	95	4	6.7	142	2	7.1	79
JONATAN							3	2.6	70						
TENHO				10	2.2	127	7	4.2	117	11	5.7	120	4	7.7	86
TRYGGVE				7	3.5	203 o	8	3.7	101	8	1.8	38	4	5.6	63 o
BOR 0504	3	2.6	114	6	0.8	48	6	5.1	141	3	0.0	0 o	3	6.3	71
UULA				10	1.1	62	7	4.0	110	10	0.7	14 *	3	5.5	62 o
TUURE				9	1.1	62	11	5.2	143	15	2.0	42 o	4	6.9	78
TAMMISTO II				11	1.7	99	11	3.5	96	10	2.7	58	4	6.4	72
SLEIPNIR				2	1.5	88	8	3.5	95	4	9.5	200 o	2	8.6	96

Timotei, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu sato vuosittain

Timothy, Official variety trials 2008 – 2015, Estimated variety means, Classification of yield according to years

Lajike	Vuosi 2012			Vuosi 2013			Vuosi 2014			Vuosi 2015		
	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku
Variety	trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.
GRINDSTAD =C	14	11414	100	7	10840	100	15	11687	100	8	12237	100
RAKEL	7	11596	102				4	11549	99	4	12307	101
BOR 0822							8	11657	100	8	11960	98
RUBINIA							2	11054	95	2	12099	99
RHONIA							2	10769	92 o	2	11744	96
SWITCH	4	10815	95 *	4	10378	96 *	4	11801	101			
NUUTTI	4	10470	92 **	3	9860	91 **	5	10798	92 **	2	11893	97
BOR 0828							8	10886	93 **	8	11583	95 *
TENHO							2	10173	87 **	2	11053	90 *
BOR 0504	7	10531	92 ***	7	9712	90 ***	7	10442	89 ***			
UULA	4	10119	89 ***	3	9571	88 ***	5	10403	89 ***	2	11651	95
TUURE	4	10177	89 ***	3	9439	87 ***	5	9831	84 ***	2	11692	96
TAMMISTO II	3	10720	94 *	3	9477	87 ***	3	10610	91 *			
SLEIPNIR							8	10325	88 ***	8	11286	92 **

Timotei, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu talvituho vuosittain

Timothy, Official variety trials 2008 – 2015, Estimated variety means, Classification of winter damage according to years

Lajike	Vuosi 2012			Vuosi 2013			Vuosi 2014			Vuosi 2015		
	kpl	Talvi- tuho %	Suhde- luku	kpl	Talvi- tuho %	Suhde- luku	kpl	Talvi- tuho %	Suhde- luku	kpl	Talvi- tuho %	Suhde- luku
Variety	trials	Year 2012 Winter damage %	rel.	trials	Year 2013 Winter damage %	rel.	trials	Year 2014 Winter damage %	rel.	trials	Year 2015 Winter damage %	rel.
GRINDSTAD =C	14	4.0	100	7	3.7	100	15	1.1	100	8	3.3	100
RAKEL	7	5.5	137				4	1.3	112	4	0.5	16
BOR 0822							8	1.5	129	8	7.5	231 o
RUBINIA							2	1.6	142	2	0.7	21
RHONIA							2	1.6	142	2	0.0	0
SWITCH	4	5.4	134	4	1.8	49	4	4.2	370 *			
NUUTTI	4	4.2	104	3	4.7	126	5	2.8	247	2	0.0	0 o
BOR 0828							8	1.6	140	8	3.3	100
TENHO							2	2.6	231	2	0.7	21
TRYGGVE	7	5.2	130									
BOR 0504	7	3.5	88	7	2.9	77	7	1.6	143			
UULA	4	5.4	135	3	2.7	72	5	0.8	71	2	0.0	0 o
TUURE	4	6.4	160	3	4.4	117	5	1.6	142	2	0.0	0
TAMMISTO II	3	4.9	123	3	1.4	37	3	2.6	229			
SLEIPNIR							8	2.0	173	8	4.6	142

Timotei, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
 Timothy, Official variety trials 2008 – 2015, Estimated variety means

Lajike		D-arvo 1.niitto g/kg ka		D-arvo 2.niitto g/kg ka		D-arvo 3.niitto g/kg ka		Käyttök. sato 1.niitto		Käyttök. sato 2.niitto	
Variety	trials	D-value 1st cut g/kg DM	trials	D-value 2nd cut g/kg DM	trials	D-value 3rd cut g/kg DM	trials	Digestible yield 1st cut	trials	Digestible yield 2nd cut	
GRINDSTAD	=C	64	668	64	647	21	715	34	2495	34	2786
JONATAN		3	689 ***	3	683 ***						
TUURE		28	688 ***	28	687 ***	6	722 *	17	2706 ***	17	2360 ***
TRYGGVE		15	686 ***	15	682 ***			12	2667 **	12	2529 ***
UULA		22	684 ***	22	695 ***	6	725 **	9	2677 **	9	2357 ***
BOR 0504		17	682 ***	17	682 ***	7	729 ***	8	2540	8	2488 ***
NUUTTI		19	682 ***	19	674 ***	6	725 **	8	2619 o	8	2480 ***
TAMMISTO II		25	680 ***	25	673 ***	4	726 **	16	2636 **	16	2399 ***
TENHO		22	677 ***	22	671 ***	2	717	16	2599 *	16	2464 ***
SLEIPNIR		16	675 **	16	668 ***	13	723 **				
BOR 0822		16	674 *	16	646	13	717				
BOR 0828		16	672	16	663 ***	13	720 *				
RHONIA		20	672	20	663 ***	2	722	14	2620 *	14	2723
RUBINIA		20	671	20	666 ***	2	713	14	2705 ***	14	2732
RAKEL		23	670	23	655 *	7	723 *	12	2654 **	12	2802
SWITCH		26	667	26	640 *	4	707 o	18	2334 **	18	2715

Timotei, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
 Timothy, Official variety trials 2008 – 2015, Estimated variety means

Lajike		NDF 1.niitto		NDF 2.niitto		NDF 3.niitto		INDF 1.niitto		INDF 2.niitto		INDF 3.niitto	
Variety		kpl	g/kg ka	kpl	g/kg ka	kpl	g/kg ka	kpl	g/kg ka	kpl	g/kg ka	kpl	g/kg ka
		trials	g/kg DM	trials	g/kg DM	trials	g/kg DM	trials	g/kg DM	trials	g/kg DM	trials	g/kg DM
GRINDSTAD	=C	64	606	64	605	21	519	25	89.9	25	94.7	19	47.4
JONATAN		3	604	3	581 **			2	85.8	2	67.7 ***		
TUURE		28	599 **	28	584 ***	6	493 ***	10	75.8 ***	10	65.1 ***	6	44.1
TRYGGVE		15	603	15	598 o								
UULA		22	606	22	578 ***	6	493 ***	10	79.4 ***	10	59.5 ***	6	39.6 **
BOR 0504		17	613 *	17	585 ***	7	486 ***	9	84.9 *	9	63.9 ***	6	41.2 *
NUUTTI		19	602	19	594 **	6	495 ***	10	81.9 ***	10	72.2 ***	6	39.2 **
TAMMISTO II		25	606	25	597 *	4	496 ***	6	81.5 **	6	66.7 ***	4	41.7 o
TENHO		22	609	22	595 **	2	505 o	4	85.1	4	65.5 ***	2	46.3
SLEIPNIR		16	606	16	596 *	13	499 ***	16	83.1 ***	16	77.4 ***	13	42.1 **
BOR 0822		16	604	16	612	13	520	16	85.7 *	16	96.7	13	43.9 o
BOR 0828		16	610	16	599	13	506 ***	16	86.5 o	16	84.2 ***	13	43.3 *
RHONIA		20	608	20	597 *	2	499 **	4	83.6 o	4	74.2 ***	2	43.3
RUBINIA		20	612 *	20	602	2	509	4	82.1 *	4	73.0 ***	2	50.3
RAKEL		23	606	23	604	7	506 **	8	87.6	8	89.9	6	42.9 o
SWITCH		26	607	26	612 *	4	523	6	94.2	6	109.6 ***	4	54.0 *

Timotei, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
 Timothy, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Ligniini 1.niitto g/kg ka	kpl	Ligniini 2.niitto g/kg ka	kpl	Valkuais- sato 1.niitto	kpl	Valkuais- sato 2.niitto	kpl	Valkuais- sato 3.niitto
Variety		trials	Lignin 1st cut g/kg DM	trials	Lignin 2nd cut g/kg DM	trials	Prot. yield 1st cut	trials	Prot. yield 2nd cut	trials	Prot. yield 3rd cut
GRINDSTAD	=C	38	43.6	38	47.6	41	531	41	571	7	390
JONATAN						2	614 *	2	541		
TUURE		18	41.3 ***	18	43.0 ***	20	577 ***	20	530 ***	3	342 **
TRYGGVE		15	41.1 ***	15	44.2 ***	12	552	12	563		
UULA		12	41.4 ***	12	42.0 ***	13	587 ***	13	531 **	3	341 **
BOR 0504		7	42.4	7	42.2 ***	13	571 **	13	531 **	6	337 ***
NUUTTI		9	42.0 **	9	45.0 **	11	558 o	11	538 *	3	361 o
TAMMISTO II		19	42.1 **	19	45.5 ***	20	561 *	20	534 **	3	336 **
TENHO		18	42.9	18	45.6 **	17	574 **	17	549 o		
RHONIA		16	43.2	16	46.1 *	15	575 **	15	571		
RUBINIA		16	43.7	16	46.1 *	15	560 *	15	569		
RAKEL		15	43.8	15	47.0	12	563 o	12	572		
SWITCH		20	43.9	20	49.0 *	23	521	23	547 *	4	378

Timotei, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
 Timothy, Official variety trials 2008 – 2015, Estimated variety means

Lajike		Sokeri 1.niitto		Sokeri 2.niitto		Sokeri 3.niitto		ME 1.niitto		ME 2.niitto		ME 3.niitto	
Variety		kpl	g/kg ka	kpl	g/kg ka	kpl	g/kg ka	kpl	MJ/kg ka	kpl	MJ/kg ka	kpl	MJ/kg ka
		trials	g/kg DM	trials	g/kg DM	trials	g/kg DM	trials	MJ/kg DM	trials	MJ/kg DM	trials	MJ/kg DM
GRINDSTAD	=C	26	112	26	117	20	145	24	10.8	24	10.4	18	11.5
JONATAN		2	101 o	2	121			2	11.0	2	10.9 ***		
TUURE		10	105 *	10	114	6	171 ***	10	11.0 ***	10	11.0 ***	6	11.6 *
UULA		10	102 **	10	111 o	6	169 ***	10	11.0 **	10	11.1 ***	6	11.7 ***
BOR 0504		10	98 ***	10	109 *	7	178 ***	8	10.9 *	8	11.0 ***	5	11.7 ***
NUUTTI		10	110	10	112	6	154 *	10	10.9 **	10	10.9 ***	6	11.6 **
TAMMISTO II		6	99 **	6	107 *	4	156 o	6	10.9 o	6	10.9 ***	4	11.7 **
TENHO		4	102 *	4	106 *	2	145	4	10.9	4	10.9 ***	2	11.5
SLEIPNIR		16	104 **	16	107 ***	13	144	16	10.9 *	16	10.8 ***	13	11.6 **
BOR 0822		16	113	16	119	13	134 **	16	10.9 o	16	10.4	13	11.5
BOR 0828		16	107 o	16	115	13	146	16	10.9	16	10.7 ***	13	11.6 *
RHONIA		4	104 o	4	111	2	149	4	10.9	4	10.8 ***	2	11.6
RUBINIA		4	102 *	4	104 **	2	138	4	10.9 o	4	10.8 ***	2	11.4
RAKEL		8	105 o	8	119	6	148	8	10.9	8	10.5	6	11.6 o
SWITCH		6	106	6	111	4	136	5	10.7	5	10.0 ***	3	11.3 *

3.13. Nurminata ja ruokonata / Meadow fescue and tall fescue / *Festuca pratensis* Huds. & *Festuca arundinacea*

Nurminata ja ruokonata, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot

Meadow fescue and tall fescue, Official variety trials 2008 – 2015, Estimated variety means

Lajike		Kok.sato kpl kg/ha	Sato- ero	Suhde- luku		1. niiton kpl sato kg/ha	Suhde- luku		Talvi- tuho %		Kevät- tiheys %	
Variety		Total Yield kg/ha	Yield difference	rel.		Yield 1st cut kg/ha	rel.		Winter damage %		Spring Cover %	
KASPER	=C	88	10119	0	100	88	4326	100	88	4	86	93
KAROLINA		29	11782	1663	116 ***	29	4064	94 **	29	5 *	28	91
RETU		73	11722	1603	116 ***	73	4188	97 *	74	5	72	92
SWAJ		25	11598	1479	115 ***	25	4060	94 **	25	5	24	91 o
BOR 20608		16	10589	470	105 *	16	4397	102	16	4	16	92
EEVERT		21	10496	377	104 *	21	4403	102	21	4	21	94
SW ÄS3072		16	10401	282	103	16	4086	94 *	16	4	16	94
KLAARA		30	10334	215	102	30	4578	106 **	30	2 *	29	96 ***
VALTTERI		19	10154	35	100	19	4275	99	19	4	19	94
INKERI		21	10100	-18	100	21	4205	97	21	3	21	95 o
BOR 20613		16	10046	-72	99	16	3975	92 **	16	4	16	94
SW MINTO		29	9979	-139	99	29	4065	94 **	29	4	29	92
SW REVANSCH		24	9893	-225	98	24	4152	96 o	24	4	23	92
ILMARI		27	9872	-246	98	27	4188	97	27	4	27	92

Nurminata ja ruokonata, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Meadow fescue and tall fescue, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Sato 1.v kg/ha	Suhde- luku		kpl	Sato 2.v kg/ha	Suhde- luku		kpl	Sato 3.v kg/ha	Suhde- luku
Variety		trials	Total yield 1st year kg/ha	rel.		trials	Total yield 2nd year kg/ha	rel.		trials	Total yield 3rd year kg/ha	rel.
KASPER	=C	30	10622	100		30	10343	100		28	8666	100
KAROLINA		9	11506	108 ***		9	12386	120 ***		11	10732	124 ***
RETU		23	11394	107 ***		25	12182	118 ***		25	10811	125 ***
SWAJ		8	11381	107 **		8	11986	116 ***		9	10728	124 ***
BOR 20608		8	10806	102		8	10885	105 *				
EEVERT		7	10675	100		7	10695	103		7	9426	109 *
SW ÄS3072		8	10871	102		8	10444	101				
KLAARA		11	10667	100		11	10643	103		8	9009	104
VALTTERI		5	10506	99		5	10503	102		9	8893	103
INKERI		6	10389	98		6	10418	101		9	8882	102
BOR 20613		8	10489	99		8	10117	98				
SW MINTO		11	10556	99		11	10362	100		7	7988	92 *
SW REVANSCH		8	10283	97		8	10254	99		8	8337	96
ILMARI		8	10364	98		9	10121	98		10	8520	98

Nurminata ja ruokonata, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Meadow fescue and tall fescue, Official variety trials 2008 – 2015, Estimated variety means

Lajike	kpl	Valk. sato 1.niitto	kpl	Valk.sato kg/ha	kpl	Bot. anal- %	kpl	Tähk.alku vrk	kpl	Kuiva- aine-%
Variety	trials	Prot.yield 1st cut	trials	Prot.yield kg/ha	trials	Botanical anal. %	trials	Coming into ear, days	trials	Dry matter %
KASPER =C	27	612	27	1409	85	99	80	43	80	20.8
KAROLINA	8	622	8	1596 ***	29	99	24	46 ***	26	19.5 ***
RETU	20	611	20	1538 ***	70	99	64	45 ***	65	19.4 ***
SWAJ	3	530 *	3	1477	24	98	23	44 ***	24	20.2 ***
BOR 20608	14	606	14	1417	15	99	13	43	14	20.9
EEVERT	9	631	9	1474 o	21	99	19	43	19	20.8
SW ÄS3072	14	575 *	14	1413	15	99	13	43	14	21.2
KLAARA	8	616	8	1442	30	99	27	43	29	20.5 *
VALTTERI	8	591	8	1417	18	99	16	43	18	20.7
INKERI	7	611	7	1455	20	99	18	44 *	21	20.5 o
BOR 20613	14	571 *	14	1375	15	99	13	43 o	14	20.8
SW MINTO	10	561 *	10	1351 o	27	98	25	44 o	28	21.3 **
SW REVANSCH	3	581	3	1339	23	98 o	22	44 *	21	20.8
ILMARI	7	636	7	1455	27	98	25	43 o	26	20.9

Nurminata ja ruokonata, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu sato viljelyvyöhykkeittäin

Meadow fescue and tall fescue, Official variety trials 2008 – 2015, Estimated variety means, Classification of yield according to cropping zones

Lajike	Vyöhyke 1			Vyöhyke 2			Vyöhyke 3			Vyöhyke 4			Vyöhyke 5		
	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku
Variety	Zone 1 trials	kg/ha	rel.	Zone 2 trials	kg/ha	rel.	Zone 3 trials	kg/ha	rel.	Zone 4 trials	kg/ha	rel.	Zone 5 trials	kg/ha	rel.
KASPER =C	10	8633	100	18	10056	100	28	11526	100	20	9671	100	12	9711	100
KAROLINA	4	11713	136 ***	8	12036	120 ***	7	13354	116 ***	6	10599	110 **	4	10582	109 *
RETU	9	11602	134 ***	15	11784	117 ***	28	12880	112 ***	14	11196	116 ***	7	10720	110 **
SWAJ				3	11399	113 ***	13	13209	115 ***	6	10644	110 **	3	10431	107 o
BOR 20608				2	10359	103	8	12097	105 o	4	10049	104	2	9982	103
EEVERT	3	9993	116 **	6	11096	110 ***	6	11783	102	3	9450	98	3	9076	93
SW ÄS3072				2	10552	105	8	11832	103	4	9874	102	2	9703	100
KLAARA	3	8945	104	8	10302	102	9	11498	100	7	10004	103	3	9611	99
VALTTERI				6	10077	100	8	11466	99	4	9818	102			
INKERI				6	9996	99	7	11586	101	6	9652	100			
BOR 20613				2	10347	103	8	11568	100	4	9341	97	2	9186	95
SW MINTO				8	10069	100	8	11700	102	10	9466	98	3	8291	85 **
SW REVANSCH	3	8702	101	6	9705	97	6	11461	99	6	9481	98	3	9334	96
ILMARI	2	7523	87 *	5	10214	102	8	10830	94 *	9	9675	100	3	9270	95

Nurminata ja ruokonata, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu talvituho viljelyvyöhykkeittäin

Meadow fescue and tall fescue, Official variety trials 2008 – 2015, Estimated variety means, Classification of winter damage according to cropping zones

Lajike	Vyöhyke1			Vyöhyke2			Vyöhyke3			Vyöhyke4			Vyöhyke5		
	kpl	Talvi- tuho %	Suhde- luku	kpl	Talvi- tuho %	Suhde- luku	kpl	Talvi- tuho %	Suhde- luku	kpl	Talvi- tuho %	Suhde- luku	kpl	Talvi- tuho %	Suhde- luku
Variety	trials	damage %	rel.	trials	damage %	rel.	trials	damage %	rel.	trials	damage %	rel.	trials	damage %	rel.
KASPER =C	10	2.1	100	18	3.4	100	28	3.9	100	20	3.8	100	12	5.4	100
KAROLINA	4	2.9	141	8	2.9	84	7	4.1	104	6	11.4	304 ***	4	8.3	153 o
RETU	9	2.2	107	15	2.4	71	28	5.4	137 o	15	5.7	151	7	6.6	122
SWAJ				3	1.8	53	13	5.2	132	6	6.8	181	3	7.4	136
BOR 20608				2	2.1	61	8	4.3	109	4	4.7	126	2	7.5	138
EEVERT	3	3.5	169	6	1.2	36	6	4.0	103	3	3.0	81	3	7.2	134
SW ÄS3072				2	2.1	61	8	3.9	99	4	3.5	92	2	10.0	184 o
KLAARA	3	0.7	34	8	1.5	44	9	2.1	54	7	1.6	43	3	5.0	93
VALTTERI				6	2.1	61	8	4.1	105	4	4.8	128			
INKERI				6	2.9	86	7	2.1	54	6	2.6	70			
BOR 20613				2	2.1	61	8	4.2	106	4	4.0	106	2	6.5	119
SW MINTO				8	1.9	57	8	4.2	107	10	3.7	99	3	9.4	174 *
SW REVANSCH	3	1.3	63	6	2.9	85	6	3.5	88	6	5.2	139	3	6.4	119
ILMARI	2	1.2	57	5	2.7	79	8	5.6	142	9	2.7	72	3	6.7	123

Nurminata ja ruokonata, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu sato vuosittain

Meadow fescue and tall fescue, Official variety trials 2008 – 2015, Estimated variety means, Classification of yield according to years

Lajike		Vuosi 2012	Suhde- luku		Vuosi 2013	Suhde- luku		Vuosi 2014	Suhde- luku		Vuosi 2015	Suhde- luku	
Variety	kpl trials	kg/ha	rel.		kg/ha	rel.		kg/ha	rel.		kg/ha	rel.	
KASPER =C	15	10827	100		7	9138	100	15	9997	100	8	11056	100
KAROLINA	2	12359	114 **		2	11877	130 ***	4	11960	120 ***	2	14006	127 ***
RETU	12	12683	117 ***		4	11704	128 ***	10	11219	112 ***	6	13024	118 ***
SWAJ	2	12422	115 **		2	10793	118 **	2	11433	114 ***			
BOR 20608								8	10428	104 o	8	11628	105 *
EEVERT	7	11222	104		7	9702	106	7	10541	105 *			
SW ÄS3072								8	10493	105 *	8	11188	101
KLAARA	2	10498	97		2	9306	102	4	10131	101	2	10909	99
VALTTERI	3	10876	100		3	9525	104	5	10208	102	2	11222	102
INKERI	3	10648	98		2	9427	103	4	10041	100	2	10792	98
BOR 20613								8	10111	101	8	10860	98
SW MINTO	7	9936	92 **					4	9896	99	4	10884	98
SW RE-VANSCH	8	10283	95 *										
ILMARI	3	11165	103		2	9407	103	4	10045	100	2	10923	99

Nurminata ja ruokonata, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu talvituho vuosittain

Meadow fescue and tall fescue, Official variety trials 2008 – 2015, Estimated variety means, Classification of winter damage according to years

Lajike	Vuosi 2012			Vuosi 2013			Vuosi 2014			Vuosi 2015		
	kpl	Talvi- tuho %	Suhde- luku	kpl	Talvi- tuho %	Suhde- luku	kpl	Talvi- tuho %	Suhde- luku	kpl	Talvi- tuho %	Suhde- luku
Variety	trials	Year 2012 Winter damage %	rel.	trials	Year 2013 Winter damage %	rel.	trials	Year 2014 Winter damage %	rel.	trials	Year 2015 Winter damage %	rel.
KASPER =C	15	5.3	100	7	3.7	100	15	1.5	100	8	5.8	100
KAROLINA	2	5.3	101	2	0.7	20	4	3.0	195	2	3.7	64
RETU	12	5.2	98	4	2.2	60	10	2.0	131	6	6.7	117
SWAJ	2	7.0	134	2	6.7	181	2	3.2	207			
BOR 20608							8	2.1	135	8	5.8	100
EEVERT	7	5.4	102	7	3.7	100	7	2.2	144			
SW ÄS3072							8	2.2	143	8	5.3	91
KLAARA	2	6.0	114	2	1.3	35	4	1.7	110	2	2.9	50 *
VALTTERI	3	5.2	99	3	2.8	76	5	1.8	117	2	5.9	102
INKERI	3	6.6	126	2	2.8	76	4	2.2	142	2	5.9	102
BOR 20613							8	2.2	143	8	4.9	85
SW MINTO	7	4.6	88				4	2.1	135	4	4.1	71
SW REVANSCH	8	5.2	98									
ILMARI	3	5.6	107	2	1.8	49	4	1.7	110	2	4.4	76

Nurminata ja ruokonata, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot

Meadow fescue and tall fescue, Official variety trials 2008 – 2015, Estimated variety means

Lajike		D-arvo 1.niitto g/kg ka		D-arvo 2.niitto g/kg ka		D-arvo 3.niitto g/kg ka		Käyttök. sato 1.niitto		Käyttök. sato 2.niitto	
Variety	trials	D-value 1st cut g/kg DM	trials	D-value 2nd cut g/kg DM	trials	D-value 3rd cut g/kg DM	trials	Digestible yield 1st cut	trials	Digestible yield 2nd cut	
KASPER	=C	63	701	63	708	21	716	36	2463	36	2417
SW REVANSCH		16	709 o	16	722 **	2	734 *	13	2420	13	2420
INKERI		13	706	13	698 *	4	713	5	2431	5	2360
SW MINTO		22	705	22	718 *	8	718	11	2447	11	2507
KAROLINA		19	704	19	680 ***	6	702 **	13	2122 ***	13	2929 ***
VALTTERI		11	703	11	720 *	5	718	2	2561	2	2462
ILMARI		18	703	18	713	4	714	10	2355	10	2230 o
EEVERT		16	702	16	718 *	6	719	8	2426	8	2396
BOR 20613		16	699	16	705	13	706 **				
SW ÄS3072		16	697	16	705	13	708 *				
KLAARA		24	695	24	709	4	718	16	2608 o	16	2304
RETU		50	695 *	51	677 ***	18	699 ***	30	2220 ***	30	2856 ***
BOR 20608		16	692 *	16	702	13	707 **				
SWAJ		18	689 **	18	674 ***	2	717	15	2132 ***	15	2780 ***

Nurminata ja ruokonata, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Meadow fescue and tall fescue, Official variety trials 2008 – 2015, Estimated variety means

Lajike		NDF 1.niitto		NDF 2.niitto		NDF 3.niitto		INDF 1.niitto		INDF 2.niitto		INDF 3.niitto					
Variety	kpl	g/kg ka	g/kg ka	g/kg ka	g/kg ka	g/kg ka	g/kg ka	g/kg ka	g/kg ka	g/kg ka	g/kg ka	g/kg ka	g/kg ka				
	trials	g/kg DM	g/kg DM	g/kg DM	g/kg DM	g/kg DM	g/kg DM	g/kg DM	g/kg DM	g/kg DM	g/kg DM	g/kg DM	g/kg DM				
KASPER	=C	63	561	63	550	21	503	24	70.4	24	54.0	18	40.4				
SW REVANSCH		16	557	16	546	2	515	o									
INKERI		13	554	13	542	*	4	503	7	63.9	o	7	55.7	4	41.8		
SW MINTO		22	553	o	22	542	*	8	511	*	8	72.1	8	48.9	o	6	38.9
KAROLINA		19	546	**	19	550	6	515	**	5	70.2	5	64.0	**	5	47.3	*
VALTTERI		11	557	11	533	***	5	503	8	72.3	8	43.2	***	5	38.1		
ILMARI		18	561	18	540	**	4	501	7	67.9	7	51.0	4	40.0			
EEVERT		16	560	16	546	6	512	*	8	70.2	8	48.0	*	5	37.7		
BOR 20613		16	554	16	542	*	13	513	**	16	73.3	16	52.2	13	44.7	*	
SW ÄS3072		16	557	16	545	13	520	***	16	74.4	16	50.1	o	13	43.5		
KLAARA		24	569	*	24	546	4	500	7	78.3	*	7	48.4	o	4	36.0	
RETU		50	548	***	51	545	*	18	503	16	74.3	16	68.2	***	15	51.8	***
BOR 20608		16	562	16	541	*	13	512	**	16	79.0	**	16	54.1	13	47.3	**
SWAJ		18	554	18	550	2	490	o	3	72.3	3	72.3	***	2	41.9		

Nurminata ja ruokonata, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Meadow fescue and tall fescue, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Ligniini 1.niitto g/kg ka	kpl	Ligniini 2.niitto g/kg ka	kpl	Ligniini 3.niitto g/kg ka	kpl	Valkuais- sato 1.niitto	kpl	Valkuais- sato 2.niitto
Variety		trials	Lignin 1st cut g/kg DM	trials	Lignin 2nd cut g/kg DM	trials	Lignin 3rd cut g/kg DM	trials	Prot. yield 1st cut	trials	Prot. yield 2nd cut
KASPER	=C	38	34.9	38	32.3	2	37.9	43	580	43	545
SW REVANSCH		16	34.1	16	31.5	2	37.9	13	575	13	560
INKERI		6	35.0	6	32.6			8	604	8	577 o
SW MINTO		14	33.7	14	30.5 **	2	38.1	12	573	12	542
KAROLINA		13	33.6	13	35.4 ***			14	533 *	13	597 **
VALTTERI		3	31.2 *	3	29.1 *			6	557	6	553
ILMARI		11	34.8	11	31.2			12	571	12	544
EEVERT		7	34.2	7	29.9 *			14	576	14	548
BOR 20613								2	562	2	569
SW ÄS3072								2	501	2	597
KLAARA		17	35.3	17	32.6			18	607	18	543
RETU		33	33.4 *	34	34.3 ***	2	37.3	35	547 *	35	628 ***
BOR 20608								2	541	2	573
SWAJ		15	34.8	15	35.6 ***			17	534 *	17	637 ***

Nurminata ja ruokonata, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Meadow fescue and tall fescue, Official variety trials 2008 – 2015, Estimated variety means

Lajike	kpl	Sokeri	Sokeri	Sokeri	ME	ME	ME	kpl	ME	ME	ME	kpl	ME	ME	ME
		1.niitto	2.niitto	3.niitto	1.niitto	2.niitto	3.niitto		1.niitto	2.niitto	3.niitto				
Variety	trials	g/kg ka	g/kg ka	g/kg ka	MJ/kg ka	MJ/kg ka	MJ/kg ka	trials	MJ/kg DM	MJ/kg DM	MJ/kg DM	trials	MJ/kg DM	MJ/kg DM	MJ/kg DM
KASPER =C	25	135	140	140	19	167	167	23	11.1	11.2	11.4	17	11.4	11.4	11.4
INKERI	7	139	140	140	4	169	169	7	11.2	11.1 *	11.4	4	11.4	11.4	11.4
SW MINTO	8	139	151 *	151 *	6	171	171	8	11.1	11.3	11.4	6	11.4	11.4	11.4
KAROLINA	6	138	163 ***	163 ***	6	171	171	5	11.1	11.0 **	11.2 *	5	11.2 *	11.2 *	11.2 *
VALTTERI	8	136	147	147	5	168	168	8	11.0	11.4 ***	11.5	5	11.5	11.5	11.5
ILMARI	7	134	141	141	4	166	166	7	11.2	11.2	11.4	4	11.4	11.4	11.4
EEVERT	9	133	140	140	6	161	161	7	11.1	11.3	11.4	4	11.4	11.4	11.4
BOR 20613	16	138	151 **	151 **	13	164	164	16	11.1	11.2	11.3 o	13	11.3 o	11.3 o	11.3 o
SW ÄS3072	16	136	145	145	13	162	162	16	11.0 o	11.2	11.3 o	13	11.3 o	11.3 o	11.3 o
KLAARA	7	131	140	140	4	160	160	7	10.9 *	11.3	11.5	4	11.5	11.5	11.5
RETU	17	142 *	166 ***	166 ***	16	187 ***	187 ***	16	10.9 ***	10.9 ***	11.2 ***	15	11.2 ***	11.2 ***	11.2 ***
BOR 20608	16	138	152 **	152 **	13	167	167	16	11.0 **	11.2	11.3 *	13	11.3 *	11.3 *	11.3 *
SWAJ	3	142	151	151	2	198 ***	198 ***	3	11.0	10.9 **	11.4	2	11.4	11.4	11.4

Nurminata ja ruokonata, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Meadow fescue and tall fescue, Official variety trials 2008 – 2015, Estimated variety means

Lajike	kpl	Kok.sato kg/ha	Sato- ero	Suhde- luku		kpl	1. niiton sato kg/ha	Suhde- luku		kpl	Talvi- tuho %	kpl	Kevät- tiheys %
Variety	trials	Total Yield kg/ha	Yield difference	rel.		trials	Yield 1st cut kg/ha	rel.		trials	Winter damage %	trials	Spring Cover %
RETU =C	73	11722	0	100		73	4188	100		74	5	72	92
KAROLINA	29	11782	60	101		29	4064	97		29	5	28	91
SWAJ	25	11598	-123	99		25	4060	97		25	5	24	91
BOR 20608	16	10589	-1133	90	***	16	4397	105	o	16	4	16	92
EEVERT	21	10496	-1225	90	***	21	4403	105	o	21	4	21	94 o
SW ÄS3072	16	10401	-1320	89	***	16	4086	98		16	4	16	94
KLAARA	30	10334	-1387	88	***	30	4578	109	***	30	2 **	29	96 ***
VALTTERI	19	10154	-1568	87	***	19	4275	102		19	4	19	94 o
KASPER	88	10119	-1602	86	***	88	4326	103	*	88	4	86	93
INKERI	21	10100	-1621	86	***	21	4205	100		21	3 *	21	95 **
BOR 20613	16	10046	-1675	86	***	16	3975	95	o	16	4	16	94 o
SW MINTO	29	9979	-1742	85	***	29	4065	97		29	4	29	92
SW REVANSCH	24	9893	-1828	84	***	24	4152	99		24	4	23	92
ILMARI	27	9872	-1849	84	***	27	4188	100		27	4	27	92

Nurminata ja ruokonata, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Meadow fescue and tall fescue, Official variety trials 2008 – 2015, Estimated variety means

Lajike	kpl	Sato 1.v kg/ha	Suhde- luku		kpl	Sato 2.v kg/ha	Suhde- luku		kpl	Sato 3.v kg/ha	Suhde- luku
Variety	trials	Total yield 1st year kg/ha	rel.		trials	Total yield 2nd year kg/ha	rel.		trials	Total yield 3rd year kg/ha	rel.
RETU =C	23	11394	100		25	12182	100		25	10811	100
KAROLINA	9	11506	101		9	12386	102		11	10732	99
SWAJ	8	11381	100		8	11986	98		9	10728	99
BOR 20608	8	10806	95 *		8	10885	89 ***				
EEVERT	7	10675	94 **		7	10695	88 ***		7	9426	87 ***
SW ÄS3072	8	10871	95 *		8	10444	86 ***				
KLAARA	11	10667	94 **		11	10643	87 ***		8	9009	83 ***
VALTTERI	5	10506	92 **		5	10503	86 ***		9	8893	82 ***
KASPER	30	10622	93 ***		30	10343	85 ***		28	8666	80 ***
INKERI	6	10389	91 ***		6	10418	86 ***		9	8882	82 ***
BOR 20613	8	10489	92 ***		8	10117	83 ***				
SW MINTO	11	10556	93 ***		11	10362	85 ***		7	7988	74 ***
SW REVANSCH	8	10283	90 ***		8	10254	84 ***		8	8337	77 ***
ILMARI	8	10364	91 ***		9	10121	83 ***		10	8520	79 ***

Nurminata ja ruokonata, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Meadow fescue and tall fescue, Official variety trials 2008 – 2015, Estimated variety means

Lajike		Valk. sato 1.niitto		Valk.sato kg/ha		Bot. anal- %		Tähk.alku vrk		Kuiva- aine-%	
Variety		kpl trials	Prot.yield 1st cut	kpl trials	Prot.yield kg/ha	kpl trials	Botanical anal. %	kpl trials	Coming into ear, days	kpl trials	Dry matter %
RETU	=C	20	611	20	1538	70	99	64	45	65	19.4
KAROLINA		8	622	8	1596	29	99	24	46 ***	26	19.5
SWAJ		3	530 *	3	1477	24	98	23	44 **	24	20.2 ***
BOR 20608		14	606	14	1417 ***	15	99	13	43 ***	14	20.9 ***
EEVERT		9	631	9	1474 o	21	99	19	43 ***	19	20.8 ***
SW ÄS3072		14	575 o	14	1413 ***	15	99	13	43 ***	14	21.2 ***
KLAARA		8	616	8	1442 *	30	99	27	43 ***	29	20.5 ***
VALTTERI		8	591	8	1417 **	18	99	16	43 ***	18	20.7 ***
KASPER		27	612	27	1409 ***	85	99	80	43 ***	80	20.8 ***
INKERI		7	611	7	1455 *	20	99	18	44 ***	21	20.5 ***
BOR 20613		14	571 *	14	1375 ***	15	99	13	43 ***	14	20.8 ***
SW MINTO		10	561 *	10	1351 ***	27	98	25	44 ***	28	21.3 ***
SW REVANSCH		3	581	3	1339 ***	23	98 o	22	44 ***	21	20.8 ***
ILMARI		7	636	7	1455 *	27	98	25	43 ***	26	20.9 ***

Nurminata ja ruokonata, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu sato viljelyvyöhykkeittäin

Meadow fescue and tall fescue, Official variety trials 2008 – 2015, Estimated variety means, Classification of yield according to cropping zones

Lajike	Vyöhyke1			Vyöhyke2			Vyöhyke3			Vyöhyke4			Vyöhyke5		
	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku
Variety	Zone 1			Zone 2			Zone 3			Zone 4			Zone 5		
	trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.
RETU =C	9	11602	100	15	11784	100	28	12880	100	14	11196	100	7	10720	100
KAROLINA	4	11713	101	8	12036	102	7	13354	104	6	10599	95 o	4	10582	99
SWAJ				3	11399	97	13	13209	103	6	10644	95 o	3	10431	97
BOR 20608				2	10359	88 ***	8	12097	94 **	4	10049	90 **	2	9982	93
EEVERT	3	9993	86 **	6	11096	94 *	6	11783	91 **	3	9450	84 **	3	9076	85 **
SW ÄS3072				2	10552	90 **	8	11832	92 ***	4	9874	88 **	2	9703	91 o
KLAARA	3	8945	77 ***	8	10302	87 ***	9	11498	89 ***	7	10004	89 ***	3	9611	90 **
VALTTERI				6	10077	86 ***	8	11466	89 ***	4	9818	88 ***			
KASPER	10	8633	74 ***	18	10056	85 ***	28	11526	89 ***	20	9671	86 ***	12	9711	91 **
INKERI				6	9996	85 ***	7	11586	90 ***	6	9652	86 ***			
BOR 20613				2	10347	88 ***	8	11568	90 ***	4	9341	83 ***	2	9186	86 *
SW MINTO				8	10069	85 ***	8	11700	91 ***	10	9466	85 ***	3	8291	77 ***
SW RE-VANSCH	3	8702	75 ***	6	9705	82 ***	6	11461	89 ***	6	9481	85 ***	3	9334	87 **
ILMARI	2	7523	65 ***	5	10214	87 ***	8	10830	84 ***	9	9675	86 ***	3	9270	86 ***

Nurminata ja ruokonata, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu talvituho viljelyvyöhykkeittäin

Meadow fescue and tall fescue, Official variety trials 2008 – 2015, Estimated variety means, Classification of winter damage according to cropping zones

Lajike	Vyöhyke1			Vyöhyke2			Vyöhyke3			Vyöhyke4			Vyöhyke5		
	kpl	Talvi- tuho %	Suhde- luku	kpl	Talvi- tuho %	Suhde- luku	kpl	Talvi- tuho %	Suhde- luku	kpl	Talvi- tuho %	Suhde- luku	kpl	Talvi- tuho %	Suhde- luku
Variety	trials	Winter damage %	rel.	trials	Winter damage %	rel.	trials	Winter damage %	rel.	trials	Winter damage %	rel.	trials	Winter damage %	rel.
RETU =C	9	2.2	100	15	2.4	100	28	5.4	100	15	5.7	100	7	6.6	100
KAROLINA	4	2.9	132	8	2.9	118	7	4.1	75	6	11.4	201 *	4	8.3	125
SWAJ				3	1.8	75	13	5.2	96	6	6.8	119	3	7.4	111
BOR 20608				2	2.1	85	8	4.3	79	4	4.7	83	2	7.5	113
EEVERT	3	3.5	158	6	1.2	50	6	4.0	75	3	3.0	54	3	7.2	109
SW ÄS3072				2	2.1	85	8	3.9	72	4	3.5	61	2	10.0	151
KLAARA	3	0.7	32	8	1.5	61	9	2.1	39 *	7	1.6	28 o	3	5.0	76
VALTTERI				6	2.1	86	8	4.1	76	4	4.8	84			
KASPER	10	2.1	94	18	3.4	141	28	3.9	73 o	20	3.8	66	12	5.4	82
INKERI				6	2.9	120	7	2.1	39 *	6	2.6	46			
BOR 20613				2	2.1	85	8	4.2	77	4	4.0	70	2	6.5	98
SW MINTO				8	1.9	80	8	4.2	78	10	3.7	65	3	9.4	142
SW REVANSCH	3	1.3	59	6	2.9	120	6	3.5	64	6	5.2	92	3	6.4	97
ILMARI	2	1.2	53	5	2.7	111	8	5.6	103	9	2.7	48	3	6.7	101

Nurminata ja ruokonata, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu sato vuosittain

Meadow fescue and tall fescue, Official variety trials 2008 – 2015, Estimated variety means, Classification of yield according to years

Lajike	Vuosi 2012			Vuosi 2013			Vuosi 2014			Vuosi 2015		
	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku
Variety	trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.
RETU =C	12	12683	100	4	11704	100	10	11219	100	6	13024	100
KAROLINA	2	12359	97	2	11877	101	4	11960	107 *	2	14006	108 *
SWAJ	2	12422	98	2	10793	92	2	11433	102			
BOR 20608							8	10428	93 **	8	11628	89 ***
EEVERT	7	11222	88 ***	7	9702	83 ***	7	10541	94 *			
SW ÄS3072							8	10493	94 **	8	11188	86 ***
KLAARA	2	10498	83 ***	2	9306	80 ***	4	10131	90 ***	2	10909	84 ***
VALTTERI	3	10876	86 ***	3	9525	81 ***	5	10208	91 ***	2	11222	86 ***
KASPER	15	10827	85 ***	7	9138	78 ***	15	9997	89 ***	8	11056	85 ***
INKERI	3	10648	84 ***	2	9427	81 **	4	10041	89 ***	2	10792	83 ***
BOR 20613							8	10111	90 ***	8	10860	83 ***
SW MINTO	7	9936	78 ***				4	9896	88 ***	4	10884	84 ***
SW RE-VANSCH	8	10283	81 ***									
ILMARI	3	11165	88 ***	2	9407	80 **	4	10045	90 ***	2	10923	84 ***

Nurminata ja ruokonata, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu talvituho vuosittain

Meadow fescue and tall fescue, Official variety trials 2008 – 2015, Estimated variety means, Classification of winter damage according to years

Lajike	Vuosi 2012			Vuosi 2013			Vuosi 2014			Vuosi 2015		
	kpl	Talvi- tuho %	Suhde- luku	kpl	Talvi- tuho %	Suhde- luku	kpl	Talvi- tuho %	Suhde- luku	kpl	Talvi- tuho %	Suhde- luku
Variety	trials	Year 2012 Winter damage %	rel.	trials	Year 2013 Winter damage %	rel.	trials	Year 2014 Winter damage %	rel.	trials	Year 2015 Winter damage %	rel.
RETU =C	12	5.2	100	4	2.2	100	10	2.0	100	6	6.7	100
KAROLINA	2	5.3	103	2	0.7	33	4	3.0	149	2	3.7	55 *
SWAJ	2	7.0	136	2	6.7	301 *	2	3.2	158			
BOR 20608							8	2.1	103	8	5.8	86
EEVERT	7	5.4	104	7	3.7	167	7	2.2	110			
SW ÄS3072							8	2.2	109	8	5.3	78
KLAARA	2	6.0	116	2	1.3	59	4	1.7	84	2	2.9	42 **
VALTTERI	3	5.2	100	3	2.8	127	5	1.8	89	2	5.9	87
KASPER	15	5.3	102	7	3.7	167	15	1.5	76	8	5.8	86
INKERI	3	6.6	128	2	2.8	126	4	2.2	109	2	5.9	87
BOR 20613							8	2.2	109	8	4.9	73 *
SW MINTO	7	4.6	89				4	2.1	103	4	4.1	61 *
SW REVANSCH	8	5.2	100									
ILMARI	3	5.6	109	2	1.8	82	4	1.7	84	2	4.4	65

Nurminata ja ruokonata, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Meadow fescue and tall fescue, Official variety trials 2008 – 2015, Estimated variety means

Lajike		D-arvo 1.niitto g/kg ka		D-arvo 2.niitto g/kg ka		D-arvo 3.niitto g/kg ka		Käyttök. sato 1.niitto		Käyttök. sato 2.niitto	
Variety	trials	D-value 1st cut g/kg DM		D-value 2nd cut g/kg DM		D-value 3rd cut g/kg DM		Digestible yield 1st cut		Digestible yield 2nd cut	
RETU	=C	50	695	51	677	18	699	30	2220	30	2856
SW REVANSCH		16	709 **	16	722 ***	2	734 ***	13	2420 *	13	2420 ***
INKERI		13	706 *	13	698 ***	4	713 *	5	2431 o	5	2360 **
SW MINTO		22	705 *	22	718 ***	8	718 ***	11	2447 *	11	2507 **
KAROLINA		19	704 *	19	680	6	702	13	2122	13	2929
VALTTERI		11	703 o	11	720 ***	5	718 ***	2	2561 o	2	2462 o
ILMARI		18	703 *	18	713 ***	4	714 **	10	2355	10	2230 ***
EEVERT		16	702	16	718 ***	6	719 ***	8	2426 o	8	2396 **
KASPER		63	701 *	63	708 ***	21	716 ***	36	2463 ***	36	2417 ***
BOR 20613		16	699	16	705 ***	13	706 *				
SW ÄS3072		16	697	16	705 ***	13	708 **				
KLAARA		24	695	24	709 ***	4	718 ***	16	2608 ***	16	2304 ***
BOR 20608		16	692	16	702 ***	13	707 *				
SWAJ		18	689	18	674	2	717 *	15	2132	15	2780

Nurminata ja ruokonata, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Meadow fescue and tall fescue, Official variety trials 2008 – 2015, Estimated variety means

Lajike		NDF 1.niitto g/kg ka		NDF 2.niitto g/kg ka		NDF 3.niitto g/kg ka		INDF 1.niitto g/kg ka		INDF 2.niitto g/kg ka		INDF 3.niitto g/kg ka	
Variety	trials	g/kg DM		g/kg DM		g/kg DM		g/kg DM		g/kgDM		g/kg DM	
RETU	=C	50	548	51	545	18	503	16	74.3	16	68.2	15	51.8
SW RE- VANSCH		16	557 o	16	546	2	515 o						
INKERI		13	554	13	542	4	503	7	63.9 **	7	55.7 ***	4	41.8 **
SW MINTO		22	553	22	542	8	511 *	8	72.1	8	48.9 ***	6	38.9 ***
KAROLINA		19	546	19	550	6	515 **	5	70.2	5	64.0	5	47.3
VALTTERI		11	557	11	533 **	5	503	8	72.3	8	43.2 ***	5	38.1 ***
ILMARI		18	561 **	18	540	4	501	7	67.9 o	7	51.0 ***	4	40.0 ***
EEVERT		16	560 *	16	546	6	512 *	8	70.2	8	48.0 ***	5	37.7 ***
KASPER		63	561 ***	63	550 *	21	503	24	70.4	24	54.0 ***	18	40.4 ***
BOR 20613		16	554	16	542	13	513 **	16	73.3	16	52.2 ***	13	44.7 **
SW ÄS3072		16	557 o	16	545	13	520 ***	16	74.4	16	50.1 ***	13	43.5 ***
KLAARA		24	569 ***	24	546	4	500	7	78.3	7	48.4 ***	4	36.0 ***
BOR 20608		16	562 **	16	541	13	512 **	16	79.0 o	16	54.1 ***	13	47.3 *
SWAJ		18	554	18	550	2	490 o	3	72.3	3	72.3	2	41.9 *

Nurminata ja ruokonata, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Meadow fescue and tall fescue, Official variety trials 2008 – 2015, Estimated variety means

Lajike		Ligniini 1.niitto g/kg ka		Ligniini 2.niitto g/kg ka		Ligniini 3.niitto g/kg ka		Valkuais- sato 1.niitto		Valkuais- sato 2.niitto	
Variety		Lignin 1st cut g/kg DM		Lignin 2nd cut g/kg DM		Lignin 3rd cut g/kg DM		Prot. yield 1st cut		Prot. yield 2nd cut	
Variety	trials	g/kg DM	trials	g/kg DM	trials	g/kg DM	trials	1st cut	trials	2nd cut	
RETU	=C	33	33.4	34	34.3	2	37.3	35	547	35	628
SW REVANSCH		16	34.1	16	31.5 ***	2	37.9	13	575	13	560 ***
INKERI		6	35.0	6	32.6 o			8	604 *	8	577 **
SW MINTO		14	33.7	14	30.5 ***	2	38.1	12	573	12	542 ***
KAROLINA		13	33.6	13	35.4			14	533	13	597 o
VALTTERI		3	31.2	3	29.1 ***			6	557	6	553 ***
ILMARI		11	34.8	11	31.2 ***			12	571	12	544 ***
EEVERT		7	34.2	7	29.9 ***			14	576	14	548 ***
KASPER		38	34.9 *	38	32.3 ***	2	37.9	43	580 *	43	545 ***
BOR 20613								2	562	2	569
SW ÄS3072								2	501	2	597
KLAARA		17	35.3 *	17	32.6 **			18	607 ***	18	543 ***
BOR 20608								2	541	2	573
SWAJ		15	34.8 o	15	35.6 o			17	534	17	637

Nurminata ja ruokonata, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
Meadow fescue and tall fescue, Official variety trials 2008 – 2015, Estimated variety means

Lajike	kpl	Sokeri	g/kg ka	Sokeri	g/kg ka	Sokeri	g/kg ka	kpl	ME	MJ/kg ka	kpl	ME	MJ/kg ka	kpl	ME	MJ/kg ka
		1.niitto		2.niitto		3.niitto			1.niitto			2.niitto			3.niitto	
Variety	trials	Sugar	g/kg DM	Sugar	g/kg DM	Sugar	g/kg DM	trials	ME	MJ/kg DM	trials	ME	MJ/kg DM	trials	ME	MJ/kg DM
RETU	=C	17	142	17	166	16	187	16	10.9		16	10.9		15	11.2	
INKERI		7	139	7	140 ***	4	169 **	7	11.2 ***		7	11.1 o		4	11.4 *	
SW MINTO		8	139	8	151 **	6	171 **	8	11.1 *		8	11.3 ***		6	11.4 *	
KAROLINA		6	138	6	163	6	171 **	5	11.1 *		5	11.0		5	11.2	
VALTTERI		8	136 o	8	147 ***	5	168 ***	8	11.0		8	11.4 ***		5	11.5 ***	
ILMARI		7	134 *	7	141 ***	4	166 **	7	11.2 **		7	11.2 ***		4	11.4 *	
EEVERT		9	133 *	9	140 ***	6	161 ***	7	11.1 *		7	11.3 ***		4	11.4 *	
KASPER		25	135 *	25	140 ***	19	167 ***	23	11.1 ***		23	11.2 ***		17	11.4 ***	
BOR 20613		16	138	16	151 ***	13	164 ***	16	11.1 *		16	11.2 ***		13	11.3 *	
SW ÄS3072		16	136 *	16	145 ***	13	162 ***	16	11.0 o		16	11.2 ***		13	11.3 *	
KLAARA		7	131 **	7	140 ***	4	160 ***	7	10.9		7	11.3 ***		4	11.5 ***	
BOR 20608		16	138	16	152 **	13	167 ***	16	11.0		16	11.2 ***		13	11.3 o	
SWAJ		3	142	3	151 o	2	198	3	11.0		3	10.9		2	11.4 *	

3.14. Westerwoldin raiheinä / Westerwolds ryegrass / *Lolium multiflorum* v. *westerwoldicum*

Westerwoldin raiheinä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot

Westerwolds ryegrass, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Kok.sato kg/ha	Sato- ero	Suhde- luku	kpl	1. niiton sato kg/ha	Suhde- luku
Variety		trials	Total Yield kg/ha	Yield difference	rel.	trials	Yield 1st cut kg/ha	rel.
LEMNOS	=C	8	8131	0	100	8	2018	100
BENDIX		8	8099	-31	100	8	1994	99

Westerwoldin raiheinä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot

Westerwolds ryegrass, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Valk. sato 1.niitto	kpl	Valk.sato kg/ha	kpl	Valk.- %	kpl	Bot. anal- %	kpl	Kuiva- aine-%
Variety		trials	Prot.yield 1st cut	trials	Prot.yield kg/ha	trials	Prot. %	trials	Botanical anal. %	trials	Dry matter %
LEMNOS	=C	8	345	8	932	8	17.6	7	96	8	15.4 7
BENDIX		8	353	8	928	8	18.2	7	94	8	15.3 7

Westerwoldin raiheinä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu sato viljelyvyöhykkeittäin

Westerwolds ryegrass, Official variety trials 2008 – 2015, Estimated variety means, Classification of yield according to cropping zones

Lajike		Vyöhyke 2 kg/ha	Suhde- luku	kpl	Vyöhyke 3 kg/ha	Suhde- luku	kpl	Vyöhyke 4 kg/ha	Suhde- luku	kpl	Vyöhyke 5 kg/ha	Suhde- luku
Variety	trials	Zone 2 kg/ha	rel.	trials	Zone 3 kg/ha	rel.	trials	Zone 4 kg/ha	rel.	trials	Zone 5 kg/ha	rel.
LEMNOS	=C			2	8713	100	4	8946	100	2	5919	100
BENDIX				2	8832	101	4	8807	98	2	5950	101

Westerwoldin raiheinä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu sato vuosittain

Westerwolds ryegrass, Official variety trials 2008 – 2015, Estimated variety means, Classification of yield according to years

Lajike		Vuosi 2013 kg/ha	Suhde- luku	kpl	Vuosi 2014 kg/ha	Suhde- luku	kpl	Vuosi 2015 kg/ha	Suhde- luku
Variety	trials	Year 2013 kg/ha	rel.	trials	Year 2014 kg/ha	rel.	trials	Year 2015 kg/ha	rel.
LEMNOS	=C			4	9321	100	4	6941	100
BENDIX				4	9240	99	4	6958	100

Westerwoldin raiheinä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
 Westerwolds ryegrass, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	D-arvo 1.niitto g/kg ka	kpl	D-arvo 2.niitto g/kg ka	kpl	D-arvo 3.niitto g/kg ka
Variety		trials	D-value 1st cut g/kg DM	trials	D-value 2nd cut g/kg DM	trials	D-value 3rd cut g/kg DM
LEMNOS	=C	8	714	8	680	2	692
BENDIX		8	729 *	8	679	2	702

Westerwoldin raiheinä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
 Westerwolds ryegrass, Official variety trials 2008 – 2015, Estimated variety means

Lajike		NDF 1.niitto g/kg ka		NDF 2.niitto g/kg ka		NDF 3.niitto g/kg ka		INDF 1.niitto g/kg ka		INDF 2.niitto g/kg ka		INDF 3.niitto g/kg ka	
Variety		trials	g/kg DM	trials	g/kg DM	trials	g/kg DM	trials	g/kg DM	trials	g/kg DM	trials	g/kg DM
LEMNOS	=C	8	455	8	510	2	504	8	73.8	8	82.9	2	71.0
BENDIX		8	448	8	519	2	493	8	176.8 *	8	110.3	2	61.5

Westerwoldin raiheinä, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
 Westerwolds ryegrass, Official variety trials 2008 – 2015, Estimated variety means

Lajike		Sokeri 1.niitto kpl g/kg ka	Sokeri 2.niitto kpl g/kg ka	Sokeri 3.niitto kpl g/kg ka	ME 1.niitto kpl MJ/kg ka	ME 2.niitto kpl MJ/kg ka	ME 3.niitto kpl MJ/kg ka
Variety		Sugar 1st cut trials g/kg DM	Sugar 2nd cut trials g/kg DM	Sugar 3rd cut trials g/kg DM	ME 1st cut trials MJ/kg DM	ME 2nd cut trials MJ/kg DM	ME 3rd cut trials MJ/kg DM
LEMNOS	=C	8 187	8 115	2 145	8 10.7	8 10.9	2 11.1
BENDIX		8 197 *	8 115	2 145	8 11.7	8 10.9	2 11.2

3.15. Puna-apila / Red clover / *Trifolium pratense* L.

Puna-apila, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot

Red clover, Official variety trials 2008 – 2015, Estimated variety means

Lajike		Kok.sato kpl	Sato- ero kg/ha	Suhde- luku		1. niiton kpl	Suhde- luku sato kg/ha		Talvi- tuho %		Syys- tiheys %		Kevät- tiheys %	
Variety		trials	Total Yield kg/ha	Yield difference	rel.	trials	Yield 1st cut kg/ha	rel.	trials	Winter damage %	trials	Autumn Cover %	trials	Spring Cover %
BETTY	=C	51	6349	0	100	51	4087	100	51	13	49	87	48	78
BOR 0802		14	7257	909	114 ***	14	4815	118 ***	14	0 ***	14	92 **	13	95 ***
SW TORUN		29	7243	895	114 ***	29	4541	111 **	29	13	27	90 *	27	80
ILTE		11	7079	730	112 **	11	4348	106	11	14	11	86	11	77
SW YNGVE		29	6578	229	104	29	4152	102	29	16	28	88	28	76
BOR 0801		14	6507	159	103	14	4146	101	14	5 *	14	89	13	88 **
SAIJA		35	6210	-138	98	35	3983	97	35	19 **	33	85	34	71 ***
SW ARES		21	5662	-685	89 **	21	3523	86 **	21	26 ***	19	84 *	20	63 ***

Puna-apila, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
 Red clover, Official variety trials 2008 – 2015, Estimated variety means

Lajike		kpl	Sato 1.v kg/ha	Suhde- luku		kpl	Sato 2.v kg/ha	Suhde- luku		kpl	Sato 3.v kg/ha	Suhde- luku
Variety		trials	Total yield 1st year kg/ha	rel.		trials	Total yield 2nd year kg/ha	rel.		trials	Total yield 3rd year kg/ha	rel.
BETTY	=C	18	8156	100		18	6767	100		15	5823	100
BOR 0802		7	8905	109 *		7	7795	115 **				
SW TORUN		8	8967	110 *		8	7493	111 *		13	6903	119 **
ILTE		5	9317	114 **		5	7051	104				
SW YNGVE		11	8534	105		11	6788	100		7	6097	105
BOR 0801		7	8154	100		7	7047	104				
SAIJA		13	8362	103		13	6232	92 *		9	5722	98
SW ARES		7	7958	98		7	5606	83 **		7	5106	88

Puna-apila, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
 Red clover, Official variety trials 2008 – 2015, Estimated variety means

Lajike	Valk.- kpl %		Valk. sato kpl 1.niitto		Valk.sato kpl kg/ha		Bot. anal- kpl %		Tähk.alku kpl vrk		Kuiva- kpl aine-%	
Variety	trials	Prot. %	trials	Prot.yield 1st cut	trials	Prot.yield kg/ha	trials	Botanical anal. %	trials	Coming into ear, days	trials	Dry matter %
BETTY =C	15	14.5	15	860	15	1366	32	62	50	64	44	17.4
BOR 0802	12	14.7	12	944 *	12	1464 *	7	62	14	68	12	16.8 o
SW TORUN							16	63 *	28	73 ***	26	16.7 **
ILTE	7	15.0	7	852	7	1385	8	65 ***	11	66	10	16.8 o
SW YNGVE	8	14.2	8	770 o	8	1305	15	63 *	28	66	27	18.3 ***
BOR 0801	12	15.0 o	12	842	12	1360	5	63 o	14	67	12	17.6
SAIJA	8	15.4 **	8	845	8	1319	21	65 ***	34	64	31	18.1 *
SW ARES							12	62	20	55 ***	18	19.4 ***

Puna-apila, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu sato viljelyvyöhykkeittäin

Red clover, Official variety trials 2008 – 2015, Estimated variety means, Classification of yield according to cropping zones

Lajike	Vyöhyke1			Vyöhyke2			Vyöhyke3			Vyöhyke4			Vyöhyke5		
	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku	kpl	kg/ha	Suhde-luku
Variety	trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.	trials	kg/ha	rel.
BETTY =C	3	6098	100	12	6860	100	18	8011	100	12	5060	100	6	3604	100
BOR 0802				2	7498	109	6	8524	106	4	6313	125 *	2	5198	144 ***
SW TORUN	3	8221	135 ***	7	7157	104	7	9386	117 ***	8	5979	118 *	4	3776	105
ILTE				5	8006	117 *	4	8438	105	2	5285	104			
SW YNGVE				8	6954	101	8	8132	102	10	5340	106	3	3823	106
BOR 0801				2	6577	96	6	8040	100	4	5529	109	2	3888	108
SAIJA	3	6335	104	11	6533	95	10	8136	102	8	4759	94	3	3472	96
SW ARES	3	6658	109	6	5880	86 *	6	7860	98	6	3661	72 **			

Puna-apila, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot, Luokittelu talvituho viljelyvyöhykkeittäin

Red clover, Official variety trials 2008 – 2015, Estimated variety means, Classification of winter damage according to cropping zones

Lajike	Vyöhyke1			Vyöhyke2			Vyöhyke3			Vyöhyke4			Vyöhyke5		
	kpl	Talvi- tuho %	Suhde- luku	kpl	Talvi- tuho %	Suhde- luku	kpl	Talvi- tuho %	Suhde- luku	kpl	Talvi- tuho %	Suhde- luku	kpl	Talvi- tuho %	Suhde- luku
Variety	trials	damage %	rel.	trials	damage %	rel.	trials	damage %	rel.	trials	damage %	rel.	trials	damage %	rel.
BETTY =C	3	0.7	100	12	14.4	100	18	11.8	100	12	17.3	100	6	12.8	100
BOR 0802				2	0.0	0 *	6	5.6	48	4	0.0	0 **	2	9.9	77
SW TORUN	3	3.3	500	7	15.5	107	7	13.3	113	8	14.6	85	4	14.6	114
ILTE				5	14.2	98	4	14.3	121	2	17.4	101			
SW YNGVE				8	20.5	142	8	11.1	95	10	20.8	121	3	17.6	137
BOR 0801				2	0.0	0 o	6	7.0	59	4	8.7	51	2	10.9	85
SAIJA	3	1.0	150	11	20.2	140	10	16.5	140	8	28.2	164 *	3	16.9	132
SW ARES	3	3.7	550	6	26.9	187 *	6	25.6	217 **	6	37.3	216 ***			

Puna-apila, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
 Red clover, Official variety trials 2008 – 2015, Estimated variety means

Lajike		D-arvo 1.niitto g/kg ka		D-arvo 2.niitto g/kg ka		Valkuais sato 1.niitto kg/ha		Valkuais sato 2.niitto kg/ha	
Variety		D-value 1st cut g/kg DM		D-value 2nd cut g/kg DM		Prot. yield 1st cut kg/ha		Prot. yield 2nd cut kg/ha	
	kpl		kpl		kpl		kpl		
	trials		trials		trials		trials		
BETTY	=C	17	641	16	654	6	746	5	583
SAIJA		9	650 **	8	649	4	716	3	554
ILTE		9	648 *	8	649	4	726	3	603
BOR 0802		14	645	14	653	4	746	4	628
BOR 0801		14	644	14	654	4	745	4	602
SW YNGVE		8	642	8	659	2	588 o	2	611

Puna-apila, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
 Red clover, Official variety trials 2008 – 2015, Estimated variety means

Lajike	kpl	NDF 1.niitto g/kg ka	kpl	NDF 2.niitto g/kg ka	kpl	INDF 1.niitto g/kg ka	kpl	INDF 2.niitto g/kg ka
Variety	trials	NDF 1st cut g/kg DM	trials	NDF 2nd cut g/kg DM	trials	INDF 1st cut g/kg DM	trials	INDF 2nd cut g/kg DM
BETTY =C	17	416	16	404	17	121	16	102
SAIJA	9	404 **	8	408	9	113 **	8	107
ILTE	9	403 **	8	399	9	113 **	8	105
BOR 0802	14	408 *	14	398	14	119	14	102
BOR 0801	14	408 *	14	399	14	120	14	105
SW YNGVE	8	419	8	395	8	122	8	102

Puna-apila, Viralliset kokeet 2008 – 2015, Estimoidut lajikekeskiarvot
 Red clover, Official variety trials 2008 – 2015, Estimated variety means

Lajike		Sokeri 1.niitto g/kg ka		Sokeri 2.niitto g/kg ka		ME 1.niitto MJ/kg ka		ME 2.niitto MJ/kg ka	
Variety		Sugar 1st cut g/kg DM		Sugar 2nd cut g/kg DM		ME 1st cut MJ/kg DM		ME 2nd cut MJ/kg DM	
	kpl		kpl		kpl		kpl		
	trials		trials		trials		trials		
BETTY	=C	17	154	16	121	16	10.2	16	10.5
SAIJA		9	152	8	117	9	10.4 **	8	10.4
ILTE		9	157	8	125	9	10.4 *	8	10.4
BOR 0802		14	160 *	14	119	14	10.3	14	10.4
BOR 0801		14	158	14	120	14	10.3	14	10.5
SW YNGVE		8	158	8	125	8	10.3	8	10.5



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