

Publications -- Refereed journal articles

Eliminating vicine and convicine, the main anti-nutritional factors restricting faba bean usage

Khazaei, H., Purves, R. W., Hughes, J., Link, W., O'Sullivan, D. M., Schulman, A. H., Björnsdotter, E., Geu-Flores, F., Nadzieja, M., Andersen, S. U., Stougaard, J., Vandenberg, A. & Stoddard, F. L., 2 Aug 2019, In : Trends in Food Science & Technology. 91, p. 549-556 8 p.

Genotypic variation in leaf epicuticular wax quantity in a large faba bean (*Vicia faba* L.) germplasm collection

Khazaei, H., Santanen, A., Street, K. & Stoddard, F. L., Jun 2019, In : Plant Genetic Resources. 17, 3, p. 298-300 3 p., 1479262118000461.

Plant species and growing season weather influence the efficiency of selenium biofortification

Ebrahimi, N., Stoddard, F. L., Hartikainen, H. & Seppanen, M. M., Jun 2019, In : Nutrient Cycling in Agroecosystems. 114, 2, p. 111-124 14 p.

Responses of flavonoid profile and associated gene expression to solar blue and UV radiation in two accessions of *Vicia faba* L. from contrasting UV environments

Yan, Y., Stoddard, F. L., Neugart, S., Sadras, V. O., Lindfors, A., Morales, L. O. & Aphalo, P. J., 1 Feb 2019, In : Photochemical & Photobiological Sciences. 18, 2, p. 434-447 14 p.

Grain legume yields are as stable as other spring crops in long-term experiments across northern Europe

Reckling, M., Döring, T. F., Bergkvist, G., Stoddard, F. L., Watson, C. A., Seddig, S., Chmielewski, F.-M. & Bachinger, J., Dec 2018, In : Agronomy for Sustainable Development. 38, 6, 10 p., 63.

A multi-parent faba bean (*Vicia faba* L.) population for future genomic studies

Khazaei, H., Stoddard, F. L., Purves, R. W. & Vandenberg, A., Oct 2018, In : Plant Genetic Resources. 16, 5, p. 419-423 5 p.

David Bond and Jean Picard: Two pivotal breeders of faba bean in the 20th century

Duc, G. & Stoddard, F., Oct 2018, In : Plant Genetic Resources. 16, 5, p. 483-487 5 p.

ILB 938, a valuable faba bean (*Vicia faba* L.) accession

Khazaei, H., Link, W., Street, K. & Stoddard, F. L., Oct 2018, In : Plant Genetic Resources. 16, 5, p. 478-482 5 p.

Diversity in root growth responses to moisture deficit in young faba bean (*Vicia faba* L.) plants

Belachew, K. Y., Nagel, K., Fiorani, F. & Stoddard, F. L., 21 Feb 2018, In : PeerJ. 6, p. 1-20 20 p., 4401.

Rust resistance in faba bean (*Vicia faba* L.): status and strategies for improvement

Ijaz, U., Adhikari, K. N., Stoddard, F. L. & Trethowan, R. M., Jan 2018, In : Australasian Plant Pathology. 47, 1, p. 71-81 11 p.

Cultivating forage maize for biomass and bioenergy in a sub-boreal climate

Epie, K. E., Artigas, O. M., Santanen, A., Mäkelä, P. S. A. & Stoddard, F. L., 2018, In : Agricultural and Food Science. 27, 3, p. 190-198 9 p.

Fertilizer and intercropped legumes as nitrogen source for Jerusalem artichoke (*Helianthus tuberosus* L.) tops for bioenergy

Epie, K. E., Santanen, A., Makela, P. S. A. & Stoddard, F. L., 2018, In : Agricultural and Food Science. 27, 3, p. 199-205 7 p.

Ion beam irradiation mutagenesis in rye (*Secale cereale* L.), linseed (*Linum usitatissimum* L.) and faba bean (*Vicia faba* L.)

Khazaei, H., Mäkelä, P. S. A. & Stoddard, F. L., 2018, In : Agricultural and Food Science. 27, 3, p. 146-151 7 p.

Maan rakenne kuntoon ja viljelykierto monipuoliseksi

Lizarazo, C., Mikkola, H. J. & Stoddard, F. L., 20 Nov 2017, In : Maaseudun Tulevaisuus. 2017, 20.11.2017, p. 10 1 p.

Development and validation of a robust, breeder-friendly molecular marker for the vc(-) locus in faba bean

Khazaei, H., Purves, R. W., Song, M., Stonehouse, R., Bett, K. E., Stoddard, F. L. & Vandenberg, A., Nov 2017, In : Molecular Breeding. 37, 11, 6 p., 140.

ILS2 Sessions 14 & 16 overview: Frontiers in legume agronomy

Jensen, E. S., Araújo, S. S., Stoddard, F. L. & Porqueddu, C., 25 Sep 2017, In : Legume perspectives. 14, p. 34-36 3 p.

Climate change can affect crop pollination in unexpected ways

Stoddard, F. L., May 2017, In : Journal of Experimental Botany. 68, 8, p. 1819-1821 3 p.

Proposal for C-Hordein as Reference Material in Gluten Quantification

Huang, X., Kanerva, P., Salovaara, H., Stoddard, F. L. & Sontag-Strohm, T., 15 Mar 2017, In : Journal of Agricultural and Food Chemistry. 65, 10, p. 2155-2161 7 p.

Screening of faba bean (*Vicia faba* L.) accessions to acidity and aluminium stresses

Belachew, K. Y. & Stoddard, F. L., 8 Feb 2017, In : PeerJ. 5, p. e2963, 1-19 19 p., PeerJ 5:e2963.

Progress towards flowering of faba bean (*Vicia faba* L.) is more than photothermal

Lizarazo Torres, C. I., Isotalo, J. M., Lindfors, A. & Stoddard, F. L., 9 Jan 2017, In : Journal of Agronomy and Crop Science. 203, 5, p. 385-396 12 p.

Oxidation of proline decreases immunoreactivity and alters structure of barley prolamin

Huang, X., Sontag-Strohm, T., Stoddard, F. L. & Kato, Y., 1 Jan 2017, In : Food Chemistry. 214, p. 597-605 9 p.

Grain legume production and use in European agricultural systems

Watson, C. A., Reckling, M., Preissel, S., Bachinger, J., Bergkvist, G., Kuhlman, T., Lindström, A. K., Nemecek, T., Topp, C. F. E., Vanhatalo, A. O., Zander, P., Murphy-Bokern, D. & Stoddard, F. L., 2017, In : Advances in Agronomy. 144, p. 235-303 69 p.

Ruokaketjun uudelleen suuntaus – voiko kestävyystiede auttaa? Blog text in campaign

Lindström, A. K. & Stoddard, F. L., 18 Oct 2016, In : Luonnonvara- ja biotalouden tutkimus.

Grain legume decline and potential recovery in European agriculture: a review

Zander, P., Amjath-Babu, T. S., Preissel, S., Reckling, M., Bues, A., Schlaefke, N., Kuhlman, T., Bachinger, J., Uthes, S., Stoddard, F., Murphy-Bokern, D. & Watson, C., Jun 2016, In : Agronomy for Sustainable Development. 36, 2, 20 p., 26.

Trade-Offs between Economic and Environmental Impacts of Introducing Legumes into Cropping Systems

Reckling, M., Bergkvist, G., Watson, C. A., Stoddard, F. L., Zander, P. M., Walker, R. L., Pristeri, A., Toncea, I. & Bachinger, J., 23 May 2016, In : Frontiers in plant science. 7, 15 p., 669.

A cropping system assessment framework-Evaluating effects of introducing legumes into crop rotations

Reckling, M., Hecker, J.-M., Bergkvist, G., Watson, C. A., Zander, P., Schlaefke, N., Stoddard, F. L., Eory, V., Topp, C. F. E., Maire, J. & Bachinger, J., May 2016, In : European Journal of Agronomy. 76, p. 186-197 12 p.

In silico evaluation of plant genetic resources to search for traits for adaptation to climate change

Bari, A., Khazaei, H., Stoddard, F. L., Street, K., Sillanpää, M. J., Chaubey, Y. P., Dayanandan, S., Endresen, D. T. F., De Pauw, E. & Damania, A. B., Feb 2016, In : Climatic Change. 134, 4, p. 667-680 14 p.

A SNP-based consensus genetic map for synteny-based trait targeting in faba bean (*Vicia faba* L.)

Webb, A., Cottage, A., Wood, T., Khamassi, K., Hobbs, D., Gostkiewicz, K., White, M., Khazaei, H., Ali, M., Street, D., Duc, G., Stoddard, F. L., Maalouf, F., Ognonnaya, F. C., Link, W., Thomas, J. & O'Sullivan, D. M., Jan 2016, In : Plant biotechnology journal. 14, 1, p. 177-185 9 p.

Faba bean flavour and technological property improvement by thermal pre-treatments

Jiang, Z., Pulkkinen, M. J., Wang, Y., Lampi, A-M., Stoddard, F. L., Salovaara, H. O., Piironen, V. I. & Sontag-Strohm, T. S., 2016, In : LWT-Food Science and Technology. 68, p. 295-305 11 p.

Pre-crop effects on the nutrient composition and utilization efficiency of faba bean (*Vicia faba* L.) and narrow-leaved lupin (*Lupinus angustifolius* L.)

Lizarazo Torres, C. I., Yli-Halla, M. J. & Stoddard, F. L., 27 Nov 2015, In : Nutrient Cycling in Agroecosystems. 103, 2, p. 311-327 17 p.

Perennial crop growth in oil-contaminated soil in a boreal climate

Yan, L., Penttinen, P. J., Simojoki, A. J., Stoddard, F. L. & Lindström, A. K., 1 Nov 2015, In : Science of the Total Environment. 532, p. 752-761 10 p.

The future of lupin as a protein crop in Europe

Lucas, M. M., Stoddard, F. L., Annicchiarico, P., Frias, J., Martinez-Villaluenga, C., Sussmann, D., Duranti, M., Seger, A., Zander, P. M. & Pueyo, J. J., 8 Sep 2015, In : Frontiers in plant science. 6, 6 p., 705.

Effects of break crops on yield and grain protein concentration of barley in a Boreal climate

Zou, L., Yli-Halla, M. J., Stoddard, F. L. & Mäkelä, P. S. A., 15 Jun 2015, In : PLoS One. 10, 6, 13 p., 0130765.

Flanking SNP markers for vicine-convicine concentration in faba bean (*Vicia faba* L.)

Khazaei, H., O'Sullivan, D. M., Jones, H., Pitts, N., Sillanpää, M. J., Pärssinen, P., Manninen, O. & Stoddard, F. L., Jan 2015, In : Molecular Breeding. 35, 1, 6 p., 38.

Determination of vicine and convicine from faba bean with an optimized high-performance liquid chromatographic method

Pulkkinen, M. J., Gautam, M. D., Lampi, A-M., Ollilainen, V-M., Stoddard, F. L., Sontag-Strohm, T. S., Salovaara, H. O. & Piironen, V. I., 2015, In : Food Research International. 76, 1, p. 168-177 10 p.

Earthworm communities under boreal grass and legume bioenergy crops in pure stands and mixtures

Epie, K. E., Cass, S. & Stoddard, F. L., 2015, In : Pedobiologia. 58, 1, p. 49-54 6 p.

Fusarium-suppressive effects of green manure of turnip rape

Zou, L., Tuulos, A. P., Mikkonen, A. S., Stoddard, F. L., Lindström, A. K., Kontro, M. H., Koponen, H. K. & Mäkelä, P. S. A., 2015, In : European Journal of Soil Biology. 69, p. 41-51 11 p.

Nitrous oxide emissions from perennial grass-legume intercrop for bioenergy use

Epie, K. E., Saikkonen, L., Santanen, A., Jaakkola, S., Mäkelä, P., Simojoki, A. & Stoddard, F. L., 2015, In : Nutrient Cycling in Agroecosystems. 101, 2, p. 211-222 12 p.

Nutritive quality and protein production from grain legumes in a boreal climate

Lizarazo Torres, C., Lampi, A-M., Liu, J., Sontag-Strohm, T., Piironen, V. & Stoddard, F., 2015, In : Journal of the Science of Food and Agriculture. 95, 10, p. 2053-2064 12 p.

Retrieval of leaf chlorophyll content in field crops using narrow-band indices: effects of leaf area index and leaf mean tilt angle

Zou, X., Hernández-Clemente, R., Tammeorg, P., Torres, C. L., Stoddard, F. L., Mäkelä, P., Pellikka, P. & Möttus, M., 2015, In : International Journal of Remote Sensing. 36, 24, p. 6031-6055 25 p.

Winter turnip rape as soil N scavenging catch crop in a cool humid climate

Tuulos, A., Yli-Halla, M., Stoddard, F. & Mäkelä, P., 2015, In : Agronomy for Sustainable Development. 35, p. 359-366 8 p.

Biochar application to a fertile sandy clay loam in boreal conditions: effects on soil properties and yield formation of wheat, turnip rape and faba bean

Tammeorg, P., Simojoki, A., Mäkelä, P., Stoddard, F., Alakukku, L. & Helenius, J., 2014, In : Plant and Soil. 374, 1-2, p. 89–107 18 p.

Genetic analysis reveals a novel locus in *Vicia faba* decoupling pigmentation in the flower from that in the extra-floral nectaries

Khazaei, H., O'Sullivan, D. M., Sillanpaa, M. J. & Stoddard, F. L., 2014, In : Molecular Breeding. 34, 3, p. 1507-1513 7 p.

Interference potential of buckwheat, fababean, oilseed hemp, vetch, white lupin and caraway to control couch grass weed

Zou, L., Santanen, A., Tein, B., Stoddard, F. & Mäkelä, P., 2014, In : Allelopathy Journal. 33, 2, p. 227-235 9 p.

Photographic measurement of leaf angles in field crops

Zou, X., Mottus, M., Tammeorg, P., Lizarazo Torres, C., Takala, T., Pisek, J., Makela, P., Stoddard, F. L. & Pellikka, P., 2014, In : Agricultural and Forest Meteorology. 184, p. 137-146 10 p.

Short-term effects of biochar on soil properties and wheat yield formation with meat bone meal and inorganic fertiliser on a boreal loamy sand

Tammeorg, P., Simojoki, A., Mäkelä, P., Stoddard, F. L., Alakukku, L. & Helenius, J., 2014, In : Agriculture, Ecosystems & Environment. 191, p. 108-116 9 p.

The EU's dependence on soya bean import for the animal feed industry and potential for EU produced alternatives

de Visser, C., Schreuder, R. & Stoddard, F., 2014, In : Oilseeds and fats, crops and lipids . 21, 4, 8 p., D407.

The effects of a permanently elevated water table in an acid sulphate soil on reed canary grass for combustion

Epie, K. E., Virtanen, S., Santanen, A., Simojoki, A. & Stoddard, F. L., 2014, In : Plant and Soil. 375, 1-2, p. 149-158 10 p.

Use of synteny to identify candidate genes underlying QTL controlling stomatal traits in faba bean (*Vicia faba* L.)

Khazaei, H., O'Sullivan, D. M., Sillanpaa, M. J. & Stoddard, F. L., 2014, In : Theoretical and Applied Genetics. 127, 11, p. 2371-2385 15 p.

Sinilupiini sopii Suomen kasvuoloihin ja viljelykiertoon

Lizarazo Torres, C., Stoddard, F. & Jokela, V., Oct 2013, In : Maaseudun tiede. 2013, 3, p. 8 1 p.

A baseline study of vicine–convicine levels in faba bean (*Vicia faba* L.) germplasm

Khamassi, K., Ben Jeddi, F., Hobbs, D., Irigoyen, J., Stoddard, F., O'Sullivan, D. M. & Jones, H., 2013, In : Plant Genetic Resources. 11, 03, p. 250-257 8 p.

Biomass yield and quality of bioenergy crops grown with synthetic and organic fertilizers

Seleiman, M. F., Santanen, A., Stoddard, F., Jaakkola, S., Hartikainen, H., Ekholm, P. & Mäkelä, P., 2013, In : Biomass & Bioenergy. 59, p. 477-485 9 p.

Content of zinc, iron and their absorption inhibitors in Nicaraguan common beans (*Phaseolus vulgaris* L.)

Meyer, M. R. M., Rojas, A., Santanen, A. & Stoddard, F. L., 2013, In : Food Chemistry. 136, 1, p. 87-93 7 p.

Do faba bean (*Vicia faba* L.) accessions from environments with contrasting seasonal moisture availabilities differ in stomatal characteristics and related traits?

Khazaei, H., Street, K., Santanen, A., Bari, A. & Stoddard, F., 2013, In : Genetic Resources and Crop Evolution. 60, 8, p. 2343-2357 15 p.

Improved sustainability of feedstock production with sludge and interacting mycorrhiza

Seleiman, M. F., Santanen, A., Kleemola, J., Stoddard, F. & Mäkelä, P., 2013, In : Chemosphere. 91, 9, p. 1236-1242 7 p.

The FIGS (Focused Identification of Germplasm Strategy) approach identifies traits related to drought adaptation in *Vicia faba* genetic resources: Drought Adaptation and Genetic Resources

Khazaei, H., Street, K., Bari, A., Mackay, M. & Stoddard, F., 2013, In : PLoS One. 8, 5, 10 p., e63107.

Words for traditional Eurasian grain legumes in Uralic languages

Mikic, A. & Stoddard, F., 2013, In : *Dialectologia et Geolinguistica*. 21, p. 123-131 9 p.

Peltobioenergian tuotannon alkuvaiheissa vastoinkäymisiä

Epie, K. E., Ollikainen, M., Mäkelä, P., Santanen, A., Simojoki, A., Stoddard, F., Virtanen, S. & Yli-Halla, M., Jun 2012, In : *Käytännön maamies : maatilayrittäjän ammattilehti*. 61, 6, p. 54-58 5 p.

Conversion of carbohydrates in herbaceous crops during anaerobic digestion

Pakarinen, A., Kymäläinen, M., Stoddard, F. & Viikari, L., 2012, In : *Journal of Agricultural and Food Chemistry*. 60, 32, p. 7934-7940 7 p.

Effect of cultivar and water regime on yield and yield components in safflower (*Carthamus tinctorius* L.)

Omidi, A. H., Khazaei, H., Monneveux, P. & Stoddard, F., 2012, In : *Turkish Journal of Field Crops*. 17, 1, p. 10-15 6 p.

Faba bean adaptation to autumn sowing under European climates

Flores, F., Nadal, S., Solis, I., Winkler, J., Sass, O., Stoddard, F., Link, W., Raffiot, B., Muel, F. & Rubiales, D., 2012, In : *Agronomy for Sustainable Development*. 32, p. 727-734 8 p.

Feedstock quality and growth of bioenergy crops fertilized with sewage sludge

Seleiman, M. F., Santanen, A., Stoddard, F. & Mäkelä, P., 2012, In : *Chemosphere*. 89, 10, p. 1211-1217 7 p.

Pavut valtaavat tilaa kuluttajien ruokalautasella

Sontag-Strohm, T., Lampi, A-M., Piironen, V., Salovaara, H. & Stoddard, F., 2012, In : *Kehittyvä Elintarvike*. 23, 2, p. 30-31 2 p.

Variable pressure scanning electron microscopy of *Vicia faba* stigmatic papillae

Stoddard, F. L., Nov 2011, In : *Microscopy and Analysis*. 25, 7, p. 21-22 2 p.

Achievements in breeding autumn-sown annual legumes for temperate regions with emphasis on the continental Balkans

Mikic, A., Mihailovic, V., Cupina, B., Dordevic, V., Milic, D., Duc, G., Stoddard, F., Lejeune-Hénaut, I., Marget, P. & Hanocq, E., 2011, In : *Euphytica*. 180, p. 57-67 11 p.

Determination of direct and indirect effects of carbon isotope discrimination (Δ), stomatal characteristics and water use efficiency on grain yield in wheat using sequential path analysis

Khazaei, H., Mohammady, S., Monneveux, P. & Stoddard, F., 2011, In : *Australian Journal of Crop Sciences*. 5, 4, p. 466-472 7 p.

Energiaa pelloita

Santanen, A., Mäkelä, P. & Stoddard, F., 2011, In : *Teho*. 5, p. 26-28 3 p.

Evaluation of annual bioenergy crops in the Boreal zone for biogas and ethanol production

Pakarinen, A., Maijala, P., Stoddard, F., Santanen, A., Kymäläinen, M. & Viikari, L., 2011, In : *Biomass & Bioenergy*. 35, p. 3071-3078 8 p.

Evaluation of preservation methods for improving biogas production and enzymatic conversion yields of annual crops

Pakarinen, A., Maijala, P., Jaakkola, S., Stoddard, F., Kymäläinen, M. & Viikari, L., 2011, In : *Biotechnology for Biofuels*. 4, 20, 13 p.

Revitalizing the winter turnip rape crop in the northern latitudes

Mäkelä, P., Tuulos, A., Turakainen, M., Santanen, A. & Stoddard, F., 2011, In : *Acta Agriculturae Scandinavica. Section B. Soil and Plant Science*. 61, 3, p. 195-201 6 p.

The legume manifesto: (Net)workers on Fabaceae, unite!

Mikic, A., Rubiales, D., Smýkal, P. & Stoddard, F., 2011, In : Ratarstvo i Povrtarstvo. 48, p. 253-258 6 p.

Towards the world's earliest maturing faba bean

Stoddard, F. & Hämäläinen, K., 2011, In : Grain legumes : the magazine of the European Association for Grain Legume Research.. 56, p. 9-10 2 p.

Tutkimus raivaa tietä palkokasvien viljelylle

Stoddard, F., Lindström, K., Simojoki, A., Puhakainen, T. & Nykänen, A., 2011, In : Maaseudun tiede. 68, 2, p. 15 1 p.

Uusia bioenergiakasveja tutkitaan

Santanen, A., Epie, K. E., Zou, L., Mäkelä, P. & Stoddard, F., 2011, In : Maaseudun tiede. 68, 2, p. 7 1 p.

Valkolupiinista on moneksi

Stoddard, F., Mäkelä, P., Santanen, A., Egilmez, P., Seleiman, M. F., Lizarazo Torres, C., Räfsä, T., Hartikainen, H. & Yli-Halla, M., 2011, In : Maaseudun tiede. 68, 2, p. 12 1 p.

Hamppua tankkiin?

Pakarinen, A., Majjala, P., Stoddard, F., Viikari, L. & Kymäläinen, M., Mar 2010, In : Maaseudun tiede. 67, 1, p. 4 1 p.

Faba bean breeding for drought-affected environments: A physiological and agronomic perspective

Khan, H. R., Paull, J. G., Siddique, K. H. M. & Stoddard, F. L., 2010, In : Field Crops Research. 115, p. 279-286 8 p.

Integrated pest management in faba bean

Stoddard, F. L., Nicholas, A. H., Rubiales, D., Thomas, J. & Villegas-Fernandez, A. M., 2010, In : Field Crops Research. 115, p. 308-318 11 p.

Introduction of novel legume crops in Serbia - White lupin (*Lupinus albus*)

Mikic, A., Mihailovic, V., Cupina, B., Dordevic, V. & Stoddard, F. L., 2010, In : Ratarstvo i Povrtarstvo. 47, p. 21-26 6 p.

Kasvit imuroimaan saastunutta maata

Egilmez, P., Santanen, A., Stoddard, F., Yli-Halla, M., Hartikainen, H. & Mäkelä, P., 2010, In : Maaseudun tiede. 67, 3, p. 7 1 p.

Lupiini ja härkäpapu ovat korkealaatuista ravintoa

Lizarazo Torres, C., Erra, G., Sontag-Strohm, T., Santanen, A., Mäkelä, P. & Stoddard, F., 2010, In : Maaseudun tiede. 67, 3, p. 11 1 p.

Neglected legume crops of Serbia - Faba bean (*Vicia faba*)

Mihailovic, V., Mikic, A., Vasic, M., Cupina, B., Duric, B., Duc, G., Stoddard, F. L. & Hauptvogel, P., 2010, In : Ratarstvo i Povrtarstvo. 47, p. 27-32 6 p.

Palkoviljoilla rankka kesä

Stoddard, F., Lizarazo Torres, C., Nykänen, A. & Mäkelä, P., 2010, In : Maaseudun tiede. 67, 4, p. 14 1 p.

Physiology of flowering and grain filling in faba bean

Patrick, J. W. & Stoddard, F. L., 2010, In : Field Crops Research. 115, p. 234-242 9 p.

Puhdistamoliete kasvattaa bioenergiakasvin massaa

Seleiman, M. F., Mäkelä, P., Santanen, A. & Stoddard, F., 2010, In : Maaseudun tiede. 67, 3, p. 7 1 p.

Winter hardiness in faba bean: Physiology and breeding

Link, W., Balko, C. & Stoddard, F. L., 2010, In : Field Crops Research. 115, 3, p. 287-296 10 p.

Alkion koko määrää orastumisnopeuden ja kasvuunlähdön

Mäkelä, P., Santanen, A. & Stoddard, F., 2009, In : Kylvösiemen : Kylvösiemenliiton tiedotuslehti. 48, 4, p. 26-27 2 p.

Härkäpapu - vanhasta viljelykasvista rehua ja ruokaa

Stoddard, F., Mäkelä, P., Santanen, A. & Seppänen, M., 2009, In : Maaseudun tiede. 66, 2, p. 15

Legumes in Finnish agriculture: history, present status and future prospects

Stoddard, F. L., Hovinen, S., Kontturi, M., Lindström, K. & Nykänen, A., 2009, In : Agricultural and Food Science. 18, 3/4, p. 191-205 15 p.

Legumes in the work of J. R. R. Tolkien

Mikic, A. & Stoddard, F., 2009, In : Grain legumes : the magazine of the European Association for Grain Legume Research.. 2009, 51, p. 34 1 p.

Starch characterisation and variability in GBSS loci of synthetic hexaploid wheats and their durum and Aegilops tauschii parents

Konik-Rose, C. M., Rahman, S., Appels, R., Moss, R., McMaster, G., Marshall, D. R. & Stoddard, F., 2009, In : Euphytica. 167, 2, p. 203-216 14 p.

Syyskylvöiset kasvit tuovat vaihtelua viljelyyn

Mäkelä, P., Järvinen, P., Santanen, A., Seppänen, M. & Stoddard, F., 2009, In : Maaseudun tiede. 66, 2, p. 16

Uusia palkokasveja Suomen olosuhteisiin

Stoddard, F., Lizarazo Torres, C., Mäkelä, P. & Nykänen, A., 2009, In : Maaseudun tiede. 66, 3, p. 10

Interaction of heat-moisture conditions and physical properties in oat processing: II. Flake quality

Gates, F., Sontag-Strohm, T., Stoddard, F., Dobraszczyk, B. J. & Salovaara, H., 2008, In : Journal of Cereal Science. 48, 2, p. 288-293 6 p.

Interaction of heat-moisture conditions and physical properties in oat processing: I. Mechanical properties of steamed oat groats

Gates, F. K., Dobraszczyk, B. J., Stoddard, F. L., Sontag-Strohm, T. & Salovaara, H., 2008, In : Journal of Cereal Science. 47, 2, p. 239-244 6 p.

Maissista vaihtoehto viljelyyn

Santanen, A., Mäkelä, P., Seppänen, M., Viikari, L. & Stoddard, F., 2008, In : Maaseudun tiede. 65, 3, p. 11

Uusilla bioenergiakasveilla monimuotoisuutta pelloille

Santanen, A., Mäkelä, P. & Stoddard, F., 2008, In : Maaseudun tiede. 65, 3, p. 11

A call for Nordic-Baltic legume research

Stoddard, F., 2007, In : Grain legumes : the magazine of the European Association for Grain Legume Research.. 48, p. 4

Comparison of methods for colorimetric amylose determination in cereal grains

Mahmood, T., Turner, M. A. & Stoddard, F. L., 2007, In : Starch - Stärke. 59, 8, p. 357-365 9 p.

Evaluation of physiological traits for improving drought tolerance in faba bean (Vicia faba L.)

Khan, H. U. R., Link, W. & Stoddard, F., 2007, In : Plant and Soil. 292, 1-2, p. 205-217 13 p.

Faba bean breeding for drought and frost tolerance

Stoddard, F., Link, W., Arbaoui, M. & Khan, H., 2007, In : Grain legumes : the magazine of the European Association for Grain Legume Research.. 48, p. 20-21 2 p.

Developmental regulation of mannan, arabinogalactan-protein, and pectic epitopes in pistils of *Vicia faba* (faba bean)

Chen, W., Stoddard, F. & Baldwin, T. C., 2006, In : International Journal of Plant Sciences. 167, 5, p. 919-932 14 p.

Screening techniques and sources of resistance to abiotic stresses in cool-season food legumes

Stoddard, F., Balko, C., Erskine, W., Khan, H. R., Link, W. & Sarker, A., 2006, In : Euphytica. 147, 1-2, p. 167-186 20 p.

Genetic analysis of quantitative traits in rice (*Oryza sativa* L.) exposed to salinity

Mahmood, T., Turner, M., Stoddard, F. L. & Javed, M. A., 2004, In : Australian journal of agricultural research. 55, p. 1173-1181 9 p.

Genetics of starch granule size distribution in tetraploid and hexaploid wheats

Stoddard, F. L., 2003, In : Australian journal of agricultural research. 54, p. 637-648 12 p.

Lupin flours as additives: Dough mixing, breadmaking, emulsifying, and foaming

Pollard, N. J., Stoddard, F. L., Popineau, Y., Wrigley, C. W. & MacRitchie, F., 2002, In : Cereal Chemistry. 79, p. 662-669 8 p.

Synergistic and additive effects of three high molecular weight glutenin subunit loci. I. Effects on wheat dough rheology

Uthayakumaran, S., Beasley, H. L., Stoddard, F. L., Keentok, M., Phan-Thien, N., Tanner, R. I. & Bekes, F., 2002, In : Cereal Chemistry. 79, p. 294-300 7 p.

Synergistic and additive effects of three high molecular weight glutenin subunit loci. II. Effects on wheat dough functionality and end-use quality

Beasley, H. L., Uthayakumaran, S., Stoddard, F. L., Partridge, S. J., Daqiq, L., Chong, P. & Bekes, F., 2002, In : Cereal Chemistry. 79, p. 301-307 7 p.

Effects of gliadin fractions on functional properties of wheat dough depending on molecular size and hydrophobicity

Uthayakumaran, S., Tomoskozi, S., Tatham, A. S., Savage, A. W. J., Gianibelli, M. C., Stoddard, F. L. & Bekes, F., 2001, In : Cereal Chemistry. 78, p. 138-141 4 p.

Evaluating faba beans for rust resistance using detached leaves

Herath, I. H. M. H. B., Stoddard, F. L. & Marshall, D. R., 2001, In : Euphytica. 117, p. 47-57 11 p.

Evaluation of the 40 mg swelling test for measuring starch functionality

Konik-Rose, C. M., Moss, R., Rahman, S., Appels, R., Stoddard, F. & McMaster, G., 2001, In : Starch - Stärke. 53, p. 14-20 7 p.

Genetic analysis of partial rust resistance in faba beans

Stoddard, F. L. & Herath, I. H. M. H. B., 2001, In : Australian journal of agricultural research. 52, p. 73-84 12 p.

Response of canola to different heat stresses

Aksouh, N. M., Jacobs, B. C., Stoddard, F. L. & Mailer, R. J., 2001, In : Australian journal of agricultural research. 52, p. 817-824 8 p.

Screening of chickpeas for adaptation to autumn sowing

O'Toole, N., Stoddard, F. L. & O'Brien, L., 2001, In : Journal of Agronomy and Crop Science. 186, p. 193-207 15 p.

Basic rheology of bread dough with modified protein content and glutenin-to-gliadin ratios

Uthayakumaran, S., Newberry, M., Keentok, M., Stoddard, F. L. & Bekes, F., 2000, In : Cereal Chemistry. 77, p. 744-749 6 p.

Characterization of starch in Aegilops species

Stoddard, F. L. & Sarker, R., 2000, In : Cereal Chemistry. 77, p. 445-447 3 p.

Effects of incorporated glutenins on functional properties of wheat dough

Uthayakumaran, S., Stoddard, F. L., Gras, P. W. & Bekes, F., 2000, In : Cereal Chemistry. 77, p. 737-743 7 p.

Effects of nitrogen and sulfur fertilization on commercial-scale wheat quality and mixing requirements

Wooding, A. R., Kavale, S., Wilson, A. J. & Stoddard, F. L., 2000, In : Cereal Chemistry. 77, p. 791-797 7 p.

Effects of nitrogen and sulfur fertilizer on protein composition, mixing requirements, and dough strength of four wheat cultivars

Wooding, A. R., Kavale, S., MacRitchie, F., Stoddard, F. L. & Wallace, A., 2000, In : Cereal Chemistry. 77, p. 798-807 10 p.

Evaluating faba beans for resistance to ascochyta blight using detached organs

Kohpina, S., Knight, R. & Stoddard, F. L., 2000, In : Australian journal of experimental agriculture. 40, p. 707-713 7 p.

Genetics of resistance to ascochyta blight in two populations of faba bean

Kohpina, S., Knight, R. & Stoddard, F. L., 2000, In : Euphytica. 112, p. 101-107 7 p.

Genetics of wheat starch B-granule content

Stoddard, F. L., 2000, In : Euphytica. 112, p. 23-31 9 p.

Optimized methods for incorporating glutenin subunits into wheat dough for extension and baking studies

Uthayakumaran, S., Stoddard, F. L., Gras, P. W. & Bekes, F., 2000, In : Cereal Chemistry. 77, p. 731-736 6 p.

Amylose content in segregating populations of einkorn, emmer, and rye

Mohammadkhani, A., Stoddard, F. L. & Marshall, D. R., 1999, In : Starch - Stärke. 51, p. 66-73 8 p.

Effect of varying protein content and glutenin-to-gliadin ratio on the functional properties of wheat dough

Uthayakumaran, S., Gras, P. W., Stoddard, F. L. & Bekes, F., 1999, In : Cereal Chemistry. 76, p. 389-394 6 p.

Link between mixing requirements and dough strength

Wooding, A. R., Kavale, S., MacRitchie, F. & Stoddard, F. L., 1999, In : Cereal Chemistry. 76, p. 800-806 7 p.

Starch extraction and amylose analysis from half seeds

Mohammadkhani, A., Stoddard, F. L., Marshall, D. R., Uddin, M. N. & Zhao, X. C., 1999, In : Starch - Stärke. 51, p. 62-66 5 p.

Survey of starch particle-size distribution in wheat and related species

Stoddard, F. L., 1999, In : Cereal Chemistry. 76, p. 145-149 5 p.

Variability of Ascochyta fabae in South Australia

Kohpina, S., Knight, R. & Stoddard, F. L., 1999, In : Australian journal of agricultural research. 50, p. 1475-1481 7 p.

Variation in faba bean amylose content

Gunasekera, S. U. A. K., Stoddard, F. L. & Marshall, D. R., 1999, In : Starch - Stärke. 51, p. 259-262 4 p.

Variation in grain mass, grain nitrogen, and starch B-granule content within wheat heads

Stoddard, F. L., 1999, In : Cereal Chemistry. 76, p. 139-144 6 p.

Survey of amylose content in *Secale cereale*, *Triticum monococcum*, *T-turgidum* and *T-tauschii*

Mohammadkhani, A., Stoddard, F. L. & Marshall, D. R., 1998, In : Journal of Cereal Science. 28, p. 273-280 8 p.

A rapid antibody-based test for *Sec-2*, a marker for the short arm of chromosome 2 of rye (2RS)

Skerritt, J. H., Andrews, J. L., Stoddard, F. L., Gupta, R. B. & Howes, N. K., 1996, In : Genome. 39, p. 1006-1012 7 p.

The effect of moisture stress on bread wheat, rye, barley, and *Dasypyrum villosum*

Shah, S. H., Stoddard, F. L. & Waines, J. G., 1996, In : Journal of genetics & breeding. 50, p. 343-350 8 p.

Derivation of superior F5 lines from heterotic hybrids in pea

SARAWAT, P., STODDARD, F. L. & MARSHALL, D. R., 1994, In : Euphytica. 73, 3, p. 265-272 8 p.

Genetic distance and its association with heterosis in peas

Sarawat, P., Stoddard, F. L. & Marshall, D. R., 1994, In : Euphytica. 73, p. 255-264 10 p.

Heterosis for yield and related characters in peas

SARAWAT, P., STODDARD, F. L., MARSHALL, D. R. & ALI, S. M., 1994, In : Euphytica. 80, p. 39-48 10 p.

Limits to retention of fertilised flowers in faba beans (*Vicia faba* L.)

STODDARD, F. L., 1993, In : Journal of Agronomy and Crop Science. 171, p. 251-259 9 p.

Termination of flowering in 'indeterminate' field beans (*Vicia faba*)

STODDARD, F. L., 1993, In : Journal of Agricultural Science. 120, p. 79-87 9 p.

Variability in grain protein in peas and lentils in Australia

STODDARD, F. L., MARSHALL, D. R. & ALI, S. M., 1993, In : Australian journal of agricultural research. 44, p. 1415-1419 5 p.

Pollen vectors and pollination of faba beans in southern Australia

STODDARD, F. L., 1991, In : Australian journal of agricultural research. 42, p. 1173-1178 6 p.

Variability in grain protein in Australian hexaploid wheats

STODDARD, F. L. & MARSHALL, D. R., 1990, In : Australian journal of agricultural research. 41, p. 277-288 12 p.

The pollination requirements of the faba bean (*Vicia faba* L.)

STODDARD, F. L. & BOND, D. A., 1987, In : Bee world. 68, p. 144-152 9 p.

Autofertility and bee visitation in winter and spring genotypes of faba beans (*Vicia faba* L.)

STODDARD, F. L., 1986, In : Plant Breeding. 97, p. 171-182 12 p.

Effects of irrigation, plant density and genotype on pollination, fertilization and seed development in spring field beans (*Vicia faba* L.)

STODDARD, F. L., 1986, In : Journal of Agricultural Science. 107, p. 347-355 9 p.

Floral viability and pollen tube growth in *Vicia faba* L

STODDARD, F. L., 1986, In : Journal of Plant Physiology. 123, p. 249-262 14 p.

Pollination and fertilization in commercial crops of field beans (*Vicia faba* L.)

STODDARD, F. L., 1986, In : Journal of Agricultural Science. 106, p. 89-97 9 p.

Pollination, fertilization and seed development in inbred lines and F1 hybrids of spring faba beans (*Vicia faba* L.)
STODDARD, F. L., 1986, In : Plant Breeding. 97, p. 210-221 12 p.

Pollination, fertilization and seed development in winter stocks of faba beans (*Vicia faba* L.)
STODDARD, F. L., 1986, In : Euphytica. 35, p. 925-934 10 p.

The distribution of immature thrips among flowers of faba beans in commercial crops and experimental plots
STODDARD, F. L., 1986, In : Annals of Applied Biology. 109, p. 61-69 9 p.

Evaluation of colour transparency films for photomicrography of fluorescent structures
STODDARD, F. L. & MCCULLY, M. E., 1981, In : Histochemistry. 73, p. 121-129 9 p.

Effects of excision of stock and scion organs on the formation of the graft union in *Coleus*: a histological study
STODDARD, F. L. & MCCULLY, M. E., 1980, In : International Journal of Plant Sciences. 141, p. 401-412 12 p.

Histology of the development of the graft union in pea roots
Stoddard, F., 1979, In : Canadian journal of botany. 57, p. 1486-1501 16 p.

Books and book chapters

Grain Legumes: an Overview

Stoddard, F. L., May 2017, *Legumes in Cropping Systems*. Murphy-Bokern, D., Stoddard, F. L. & Watson, C. A. (eds.). Wallingford: CAB International, p. 70-87 18 p.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Introduction: Perspectives on legume production and use in European agriculture

Watson, C. A. & Stoddard, F. L., May 2017, *Legumes in Cropping Systems*. Murphy-Bokern, D., Stoddard, F. L. & Watson, C. A. (eds.). Wallingford: CAB International, p. 1-17 17 p.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Legumes in Cropping Systems

Murphy-Bokern, D. (ed.), Stoddard, F. L. (ed.) & Watson, C. A. (ed.), May 2017, Wallingford: CAB International. 256 p.

Research output: Book/Report › Anthology or special issue › Scientific › peer-review

Preface

Murphy-Bokern, D., Stoddard, F. L. & Watson, C. A., 2017, *LEGUMES IN CROPPING SYSTEMS*. Murphy-Bokern, D., Stoddard, F. L. & Watson, C. A. (eds.). CABI PUBLISHING, WALLINGFORD OX10 8DE, OXON, ENGLAND: CABI Publishing, p. XIII-XIV 2 p.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific

Applied mathematics in genetic resources: Toward a synergistic approach combining innovations with theoretical aspects

Bari, A., Chaubey, Y. P., Sillanpää, M. J., Stoddard, F. L., Damania, A. B., Alaoui, S. B. & Mackay, M., Jan 2016, *Applied Mathematics and Omics to Assess Crop Genetic Resources for Climate Change Adaptive Traits*. Bari, A., Damania, A. B., Mackay, M. & Dayanandan, S. (eds.). Oxford: CRC Press, Taylor & Francis Group, p. 109-126 18 p.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Exploiting germplasm resources for climate-change adaptation in faba bean

Stoddard, F. L., Khazaei, H. & Belachew, K. Y., Jan 2016, *Applied Mathematics and Omics to Assess Crop Genetic Resources for Climate Change Adaptive Traits*. Bari, A., Damania, A. B., Mackay, M. & Dayanandan, S. (eds.). Oxford: CRC Press, Taylor & Francis Group, p. 207-214 8 p.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Starch: chemistry

Stoddard, F. L., Jan 2016, *Encyclopedia of Food Grains: Volume 2: nutrition and food grains*. Wrigley, C., Corke, H., Seetharaman, K. & Faubion, J. (eds.). 2 ed. Oxford, UK: Oxford: Academic Press, Vol. 2. p. 174-180 7 p.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Faba bean

Duc, G., Aleksic, J., Marget, P., Mikic, A., Paull, J., Redden, R. J., Sass, O., Stoddard, F. L., Vandenberg, A., Vishnyakova, M. & Torres, A. M., Sep 2015, *Grain Legumes*. de Ron, A. M. (ed.). New York: Springer, p. 141-178 38 p. (Handbook of Plant Breeding; no. 10).

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Unavailability of Wild Relatives

Emshwiller, E., Calberto-Sanchez, G., Girma, G., Jansky, S., Sardos, J., Staver, C., Stoddard, F. L. & Roux, N., 2015, *Crop Wild Relatives and Climate Change*. Redden, R., Yadav, S. S., Maxted, N., Dulloo, M. E., Guarino, L. & Smith, P. (eds.). Hoboken, New Jersey: Wiley Blackwell, p. 224-249 25 p.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

The environmental role of protein crops in the new Common Agricultural Policy

Bues, A., Preissel, S., Reckling, M., Zander, P., Kuhlman, T., Topp, K., Watson, C., Lindström, K., Stoddard, F. & Murphy-Bokern, D., Jun 2013, Brussels: European Parliament, Directorate General for Internal Policies, Policy Department B: Structural and Cohesion Policies, Agricultural and Rural Development . 119 p.

Research output: Book/Report › Commissioned report › Professional

12th Congress of the European Society for Agronomy: Helsinki, Finland, 20-24 August 2012. Abstracts

Stoddard, F. (ed.) & Mäkelä, P. (ed.), 2012, Helsinki: University of Helsinki, Department of agricultural sciences. 599 p. (University of Helsinki, Department of agricultural sciences publication series; no. 14)

Research output: Book/Report › Anthology or special issue › Scientific › peer-review

Developing fall-sown pea cultivars as an answer to the challenges of climatic changes

Mikic, A., Mihailovic, V., Cupina, B., Lejeune-Henaut, I., Hanocq, E., Duc, G., McPhee, K., Stoddard, F., Kosev, V., Krstic, D., Antanasovic, S. & Jovanovic, Z., 2012, *Peas: Cultivation, Varieties and Nutritional Uses*. Comstock, A. M. & Lothrop, B. E. (eds.). Hauppauge, NY: Nova Science Publishers, p. 107-124 18 p.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Miten tuotannon kestävyttä ja energiataseita voidaan parantaa?

Mäkelä, P., Santanen, A., Mikkola, H., Helenius, J. & Stoddard, F., 2012, *Maailma muuttuu - muuttuuko maatalous?* Seppänen, M. (ed.). Helsinki: Helsingin yliopisto, Maataloustieteiden laitos, p. 67-70 4 p.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Professional

Palkokasvit osana tulevaisuuden kestäväää maataloutta

Stoddard, F., Puhakainen, T. A., Lindström, K. & Vanhatalo, A., 2012, *Maailma muuttuu - muuttuuko maatalous?* Seppänen, M. (ed.). Helsinki: Helsingin yliopisto, Maataloustieteiden laitos, p. 85-94 10 p.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Professional

Typpi- ja valkuaisomavaraisuuden lisääminen palokasveja tehokkaasti hyödyntämällä.

Nykänen, A. (ed.), Huusela-Veistola, E., Jalli, H., Jalli, M., Koikkalainen, K., Känkänen, H., Lemola, R., Lizarazo Torres, C., Sipiläinen, T., Stoddard, F. & Vanhatalo, A., 2012, Jokioinen: MTT Agrifood Research Finland. 85 p. (MTT Raportti; vol. 59)

Research output: Book/Report › Commissioned report › Professional

Adaptation of boreal field crop production to climate change

Stoddard, F., Mäkelä, P. & Puhakainen, T. A., 2011, *Climate Change – Research and Technology for Adaptation and Mitigation*. Blanco, J. & Kheradmand, H. (eds.). Rijeka, Croatia: InTech, p. 403-430 28 p.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Faba bean

Torres, A. M., Avila, C., Stoddard, F. & Cubero, J. I., 2011, *Genetics, Genomics and Breeding of Cool Season Grain Legumes*. Perez de al Vega, M., Torres, A. M., Cubero, J. I. & Kole, C. (eds.). Science Publishers, p. 50-97 48 p.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Genetic Adjustment to Changing Climates: Vicia faba

Duc, G., Link, W., Marget, P., Stoddard, F., Torres, A. M. & Cubero, J. I., 2011, *Crop Adaptation to Climate Change*. Yadav, S. S., Redden, B., Hatfield, J. S., Lotze-Campen, H. & Hall, A. (eds.). Oxford, UK: John Wiley & Sons Ltd. , p. 269-286 18 p.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Lentil - a new crop for Finland

Lizarazo Torres, C. & Stoddard, F., 2011, *Proceedings of the 24th NJF Congress: Food, Feed, Fuel and Fun : Nordic light on future land use and rural development*.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › General public

Mutual Legume Intercropping for Forage Production in Temperate Regions

Cupina, B., Stoddard, F., Mikic, A., Krstic, D., Justes, E., Bedoussac, L., Fustec, J. & Pejic, B., 2011, *Genetics, Biofuels and Local Farming Systems*. Lichtfouse, E. (ed.). Heidelberg: Springer-Verlag, p. 347-365 19 p. (Sustainable Agriculture Reviews; no. 7).

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Faba beans in sustainable agriculture

Rubiales, D. (ed.), Duc, G. (ed.) & Stoddard, F. (ed.), 2010, (Field Crops Research; vol. 115, no. 3)

Research output: Book/Report › Anthology or special issue › Scientific › peer-review

Fitting legumes into an established farming system

Stoddard, F., Nykänen, A. & Lizarazo Torres, C., 2010, *Legumes for global health. Legume crops and products for food, feed and environmental benefits*.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › General public

Bioenergy, legumes and biotechnology

Stoddard, F., 2008, *Recent advances in biotechnology*. Prasad, B. N. & Mathew, L. (eds.). New Delhi: Excel India Publishers, p. 63-66 4 p.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Kasvutekijät

Seppänen, M., Yli-Halla, M., Stoddard, F. & Mäkelä, P., 2008, *Peltokasvien tuotanto*. Seppänen, M. (ed.). Helsinki: Opetushallitus, p. 7-26 20 p.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific

Palkoviljat

Seppänen, M., Stoddard, F. & Yli-Halla, M., 2008, *Peltokasvien tuotanto*. Seppänen, M. (ed.). Helsinki: Opetushallitus, p. 66-74 9 p.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific

Nordic Cereal Interests: abstracts from the 29th Nordic Cereal Congress : June 9-11, 2006, University of Helsinki, Finland

Stoddard, F. (ed.) & Gates, F. (ed.), 2006, Helsinki.

Research output: Book/Report › Anthology or special issue › Scientific › peer-review

Starch chemistry

Stoddard, F., 2004, *Encyclopaedia of Grain Science and Technology*. Wrigley, C., Corke, H. & Walker, C. E. (eds.). Elsevier Academic Press, Vol. 3. p. 213-219 7 p.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Conference proceedings

Different responses to solar ultraviolet (UV) and blue radiation in two accessions of Vicia faba

Yan, Y., Neugart, S., Stoddard, F. L. & Aphalo, P. J., 21 Mar 2018, p. 63-64. 2 p.

Grain legume yield instability has increased over 60 years in long-term field experiments as measured by a scale-adjusted coefficient of variation

Reckling, M., Döring, T. F., Bergkvist, G., Chmielewski, F.-M., Stoddard, F. L., Watson, C. A., Seddig, S. & Bachinger, J., 21 Mar 2018, *Advances in Legume Science and Practice*. Carlton, R., Smith, B., Topp, K. & Watson, C. (eds.). Wellesbourne, UK: Association of Applied Biologists, p. 15-20 6 p. (Aspects of Applied Biology; no. 138).

Opportunities for meeting the demand for locally produced protein

Watson, C. A., Walker, R. L., Stoddard, F. L. & Topp, C. F. E., 21 Mar 2018, *Advances in Legume Science and Practice*. Carlton, R., Smith, B., Topp, K. & Watson, C. (eds.). Wellesbourne, UK: Association of Applied Biologists, p. 1-6 6 p. (Aspects of Applied Biology; no. 138).

Use of GROWSCREEN-Rhizo boxes allowed detection of useful differences in root response to water deficit in faba bean (*Vicia faba* L.)

Belachew, K. Y., Nagel, K., Fiorani, F. & Stoddard, F. L., 21 Mar 2018, *Advances in Legume Science and Practice*. Carlton, R., Smith, B., Topp, K. & Watson, C. (eds.). Wellesbourne, UK: Association of Applied Biologists, p. 135-140 6 p. (Aspects of Applied Biology; no. 138).

Potential ecosystem service impacts of cover cropping and reduced tillage in European agriculture

Stetkiewicz, S., Topp, C. F. E., Stoddard, F. L. & Watson, C. A., Nov 2017, *Sustainable Intensification*. Carlton, R., Jones, N., Knight, S., de Paula, A., Preston, J., Sherry, S. & Smith, K. (eds.). UK: Association of Applied Biologists, p. 323-326 4 p. (Aspects of Applied Biology; no. 136).

What can legumes deliver in European food and farming systems?

Watson, C. A., Topp, C. F. E. & Stoddard, F. L., Nov 2017, *Sustainable Intensification*. Carlton, R., Jones, N., Knight, S., de Paula, A., Preston, J., Sherry, S. & Smith, K. (eds.). UK: Association of Applied Biologists, p. 1-6 6 p. (Aspects of Applied Biology; no. 136).

Differences in Nitrous Oxide emissions among faba bean (*Vicia faba* L.) cultivars in a boreal climate

Lizarazo Torres, C. I., Esfahani, R., Simojoki, A. J. & Stoddard, F. L., 5 Sep 2016, *14th ESA Congress Proceedings*. Edinburgh, p. 29-30

Novel approaches to optimize grain legume cropping systems

Reckling, M., Bergkvist, G., Block, R., Stoddard, F. L., Watson, C. A. & Bachinger, J., 5 Sep 2016, p. 5-6. 2 p.

Designing legume-supported cropping systems

Reckling, M., Bergkvist, G., Stoddard, F. L., Watson, C. A., Pristeri, A., Toncea, I., Walker, R., Zander, P., Hecker, J.-M. & Bachinger, J., Sep 2015, *Proceedings of the 5th International Symposium for Farming Systems Design: FSD5 Montpellier, September 7-10, 2015*. Gritti, E. S. & Wery, J. (eds.). Montpellier: European Society for Agronomy, p. 181-182 2 p.

A new insight to faba bean (*Vicia faba*) molecular breeding: Medicago truncatula-derived single nucleotide polymorphism.

Khazaei, H., O'Sullivan, D. M., Sillanpää, M. J. & Stoddard, F. L., 4 May 2015, *Actas AEL 6: Eucarpia International Symposium on Protein Crops*. de Ron, A. M. (ed.). Pontevedra, p. 173-174 2 p.

Strategies for finding sources of resistance to abiotic stresses in faba bean

Stoddard, F. L., Khazaei, H., Belachew, K. Y., Street, K. & Bari, A., 4 May 2015, *Actas AEL 6: Eucarpia International Symposium on Protein Crops*. de Ron, A. M. (ed.). Pontevedra, p. 59-60 2 p.

Integrated analysis of nitrogen fixation by legumes in European agriculture

Baddeley, J. A., Jones, S., Topp, C. F. E., Watson, C. A., Helming, J. & Stoddard, F., 2014, *Abstracts, XIIIth Congress of the European Society for Agronomy, Debrecen, Hungary, 25-29 August 2014*. Pepó, P. & Csajbók, J. (eds.). Debrecen: European Society for Agronomy, p. 365-366 2 p.

Nitrous oxide emission factors for biological nitrogen fixation from legumes: a reassessment

Williams, M., Pappa, V., Baddeley, J., Pristeri, A., Kontopoulou, C., Epie, K. E., Stoddard, F., James, E., Young, M., Hawes, C., Iannetta, P., Savvas, D., Monti, M. & Rees, B., 2014, *Abstracts, XIIIth Congress of the European Society for Agronomy, Debrecen, Hungary, 25-29 August 2014*. Pepó, P. & Csajbók, J. (eds.). Debrecen: European Society for

Agronomy, p. 379-380 2 p.

The Legume Futures Rotation Generator I. Generation and evaluation of rotations

Reckling, M., Hecker, J.-M., Schläfke, N., Zander, P., Bergkvist, G., Frankow-Lindberg, B., Båth, B., Pristeri, A., Monti, M., Toncea, I., Walker, R., Watson, C., Eory, V., Topp, K., Stoddard, F. & Bachinger, J., 2014, *Abstracts, XIIIth Congress of the European Society for Agronomy, Debrecen, Hungary, 25-29 August 2014*. Pepó, P. & Csajbók, J. (eds.). Debrecen: European Society for Agronomy, p. 363-364 2 p.

The Legume Futures Rotation Generator II. Agronomic analysis of rotations

Stoddard, F., Reckling, M., Bachinger, J., Hecker, J.-M., Schläfke, N., Zander, P., Bergkvist, G., Pristeri, A., Toncea, I., Walker, R. L., Eory, V., Maire, J., Topp, K., Rees, B. & Watson, C., 2014, *Abstracts, XIIIth Congress of the European Society for Agronomy, Debrecen, Hungary, 25-29 August 2014*. Pepó, P. & Csajbók, J. (eds.). Debrecen: European Society for Agronomy, p. 361-362 2 p.

The impact of synthetic fertilizer on mycorrhiza activity in comparison to sludge application on cropland

Seleiman, M. F., Santanen, A., Stoddard, F. & Mäkelä, P., 2014, *Abstracts, XIIIth Congress of the European Society for Agronomy, Debrecen, Hungary, 25-29 August 2014*. Pepó, P. & Csajbók, J. (eds.). Debrecen, Hungary: European Society for Agronomy, p. 159-160 2 p.

Increasing the range of legume crops for Finnish crop rotations

Stoddard, F., Jan 2012, *Maataloustieteen päivät 2012: [verkkojulkaisu]*. Schulman, N. & Kauppinen, H. (eds.). Helsinki: Suomen maataloustieteellinen seura, 4 p. (Suomen maataloustieteellisen seuran julkaisuja; no. 28).

Assessment of soil fungal communities in barley-turnip rape cropping systems via LH (Length Heterogeneity) PCR

Zou, L., Tuulos, A., Stoddard, F., Mäkelä, P., Lindström, K. & Mikkonen, A., 2012, *12th Congress of the European Society for Agronomy Helsinki, Finland 20-24 August 2012: Abstracts*. Stoddard, F. & Mäkelä, P. (eds.). Helsinki: University of Helsinki, Department of agricultural sciences, p. 404-405 2 p. (University of Helsinki, Department of Agricultural Sciences publication series; no. 14).

Biomass and leaf nitrogen content of maize grown with sludge

Seleiman, M. F., Mäkelä, P., Santanen, A. & Stoddard, F., 2012, *12th Congress of the European Society for Agronomy Helsinki, Finland, 20-24 August 2012: Abstracts*. Stoddard, F. L. & Mäkelä, P. (eds.). Helsinki: University of Helsinki, Department of agricultural sciences, p. 430-431 2 p. (University of Helsinki, Department of Agricultural Sciences publication series; no. 14).

Breeding of narrow-leaved lupin (*Lupinus angustifolius* L.) for northern European growing conditions.

Kurlovich, B., Stoddard, F. & Laasonen, R., 2012, *Lupin crops – an opportunity for today, a promise for the future. : 13th International Lupin Conference, 6-10 June 2011, Poznan, Poland*. Naganowka, B., Kachlicki, P. & Wolko, B. (eds.). Poznan, Poland: Institute of Plant Genetics, Polish Academy of Sciences and Polish Lupin Association, p. 79-84 6 p.

Growth of reed canary grass in high moisture acid sulfate soils

Epie, K. E., Virtanen, S., Lammi, A., Simojoki, A. & Stoddard, F., 2012, *7th International Acid Sulfate Soil Conference, Vaasa, Finland 2012: - Towards Harmony between Land Use and the Environment : Proceedings volume*. Österholm, P., Yli-Halla, M. & Edén, P. (eds.). Espoo: Geological Survey of Finland, p. 39-40 2 p. (Geological Survey of Finland Guide; no. 56).

High moisture acid sulphate soil effects on reed canary grass

Epie, K. E., Virtanen, S., Simojoki, A. & Stoddard, F., 2012, *Maataloustieteen Päivät 2012: [verkkojulkaisu]*. Schulman, N. & Kauppinen, H. (eds.). Helsinki: Suomen maataloustieteellinen seura, 6 p. (Suomen Maataloustieteellisen Seuran julkaisuja; no. 28).

Intercropping Jerusalem Artichoke (*Helianthus tuberosus* L.) with legumes for energy purpose

Epie, K. E., Zou, L., Santanen, A., Mäkelä, P. & Stoddard, F., 2012, *12th Congress of the European Society for Agronomy Helsinki, Finland, 20-24 August 2012: Abstracts*. Stoddard, F. & P. M. (eds.). Helsinki: University of Helsinki, Department of agricultural sciences, p. 62-63 2 p. (University of Helsinki, Department of agricultural sciences, publication series; no. 14).

Introducing blue lupin (*L. angustifolius*) into Finnish cropping systems.

Stoddard, F. & Lizarazo Torres, C., 2012, *Lupin crops – an opportunity for today, a promise for the future. : 13th International Lupin Conference, 6-10 June 2011, Poznan, Poland*. Naganowka, B., Kachlicki, P. & Wolko, B. (eds.). Poznan, Poland: Institute of Plant Genetics, Polish Academy of Sciences and Polish Lupin Association, p. 141-143 3 p.

Leaf temperature as a promising tool for evaluating drought adaptation in faba bean (*Vicia faba* L.)

Khazaei, H., Stoddard, F. & Street, K., 2012, *12th Congress of the European Society for Agronomy, Helsinki, Finland, 20-24 August 2012: Abstracts*. Stoddard, F. & Makela, P. (eds.). Helsinki: University of Helsinki, Department of agricultural sciences, p. 132-133 2 p. (University of Helsinki, Department of agricultural sciences publication series; no. 14).

New sources of earliness for Finnish faba bean breeding

Khazaei, H., Stoddard, F., Lizarazo Torres, C. & Street, K., 2012, *Maataloustieteen Päivät 2012: [verkkojulkaisu]*. Schulman, N. & Kauppinen, H. (eds.). Helsinki: Suomen maataloustieteellinen seura, 4 p. (Suomen maataloustieteellisen seuran julkaisuja; no. 28).

Nutritional quality of Finnish-grown lupin (*L. angustifolius*).

Lizarazo Torres, C., Rekola, K., Edelmann, M., Kariluoto, S., Lampi, A-M., Piironen, V. & Stoddard, F., 2012, *Lupin crops – an opportunity for today, a promise for the future. : Proceedings of the 13th International Lupin Conference, 6-10 June 2011, Poznan, Poland*. Naganowka, B., Kachlicki, P. & Wolko, B. (eds.). Poznan: Institute of Plant Genetics, Polish Academy of Sciences and Polish Lupin Association, p. 205-207 3 p.

Phosphorus efficiency in faba bean and narrow-leaved lupin

Lizarazo Torres, C. & Stoddard, F., 2012, *12th Congress of the European Society for Agronomy, Helsinki, Finland, 20-24 August 2012: Abstracts*. Stoddard, F. L. & Mäkelä, P. (eds.). Helsinki: University of Helsinki, Department of agricultural sciences, p. 500-501 2 p. (University of Helsinki, Department of agricultural sciences publication series; no. 14).

Pilaantuneiden maa-alueiden puhdistus bioenergiakasvien avulla

Egilmez, P., Santanen, A., Stoddard, F., Mäkelä, P., Hartikainen, H., Yli-Halla, M. & Seppänen, M., 2012, *Maataloustieteen päivät 2012: [verkkojulkaisu]*. Schulman, N. & Kauppinen, H. (eds.). Helsinki: Suomen maataloustieteellinen seura, 4 p. (Suomen maataloustieteellisen seuran julkaisuja; no. 28).

Winter turnip rape as a nitrogen catch crop in high-leaching environment

Tuulos, A., Stoddard, F., Yli-Halla, M. & Mäkelä, P., 2012, *12th congress of the European Society for Agronomy Helsinki, Finland, 20-24 August 2012: Abstracts*. Stoddard, F. & Mäkelä, P. (eds.). Helsinki: University of Helsinki, Department of agricultural sciences, p. 556-557 2 p. (Maataloustieteiden laitoksen julkaisuja; no. 14).

The use of intercrops in rotations

Pappa, V. A., Rees, R. M., Baddeley, J. A., Pristeri, A., Böhm, H., Stoddard, F. & Watson, C. A., Dec 2011, In : *Aspects of Applied Biology*. 113, p. 143-148 6 p.

Using legumes to drive crop rotations and sustainable farming systems

Stoddard, F., Dec 2011, In : *Aspects of Applied Biology*. 113, p. 87-88 2 p.

Bioenergy crops for biomass production and phytoremediation

Seleiman, M. F., Santanen, A., Stoddard, F. & Mäkelä, P., 2011, *5th European Bioremediation Conference: Chania, Crete, Greece, (4.-7. July 2011)*. Kalogerakis, N. & Fava, F. (eds.). Chania: Technical University of Crete, 4 p.

Evaluation of Seven Crops for Management of Weeds and Soil-Borne Pathogenic Fungi: From the Perspective of Allelopathy

Zou, L., Mäkelä, P., Stoddard, F. & Santanen, A., 2011, *Unknown host publication*.

Responses of reed canary grass to high and low water content in acid sulphate soils

Epie, K. E., Virtanen, S., Simojoki, A. & Stoddard, F., 2011, *24th NJF Congress on Food, Feed, Fuel and Fun*. Vol. 7. p. 158

Variation in leaf morpho-physiological traits in a world collection of faba bean germplasm

Khazaei, H., Santanen, A., Stoddard, F. & Street, K., 2011, *24th NJF Congress*. Hultgren, J., Persson, P., Nadean, E. & Fogelberg, F. (eds.). Uppsala: NJF, Vol. 7, No 3. p. 91 1 p.

Additional energy crops for Finnish conditions

Stoddard, F., Epie, K. E., Zou, L., Lizarazo, C., Santanen, A. & Mäkelä, P., 2010, *Maataloustieteen päivät 2010: [verkkojulkaisu]*. Hopponen, A. (ed.). [Helsinki]: Suomen maataloustieteellinen seura, 1 p. (Suomen Maataloustieteellisen Seuran Julkaisuja; no. 26).

Genetic variability in the physiological responses of Andean lupin to drought stress

Lizarazo Torres, C., Stoddard, F., Santanen, A. & Mäkelä, P., 2010, *Maataloustieteen päivät 2010: [verkkojulkaisu]*. Hopponen, A. (ed.). [Helsinki]: Suomen maataloustieteellinen seura, 5 p. (Suomen Maataloustieteellisen Seuran julkaisuja; no. 26).

Improving food and feed security in the Nordic and Baltic region by using appropriate crop rotations

Stoddard, F., 2010, In : *Agronomy Research*. 8, Special Issue II, p. 311-316 6 p.

Kasvibiomassan laadullinen soveltuvuus bioenergian raaka-aineeksi

Santanen, A., Epie, K. E., Mäkelä, P. & Stoddard, F., 2010, *Maataloustieteen päivät 2010: [verkkojulkaisu]*. Hopponen, A. (ed.). [Helsinki]: Suomen maataloustieteellinen seura, 6 p. (Suomen Maataloustieteellisen Seuran julkaisuja; no. 26).

Kasvien fytoimediaatiopotentiaali CCA:lla saastuneen maan puhdistuksessa

Manninen-Egilmez, P., Santanen, A., Hartikainen, H., Seppänen, M., Stoddard, F., Yli-Halla, M. & Mäkelä, P., 2010, *Maataloustieteen päivät 2010: [verkkojulkaisu]*. Hopponen, A. (ed.). [Helsinki]: Suomen maataloustieteellinen seura, 7 p. (Suomen Maataloustieteellisen Seuran julkaisuja; no. 26).

Maize and white lupin as bioenergy crops grown in soil amended with sewage sludge

Seleiman, M., Santanen, A., Stoddard, F. & Mäkelä, P., 2010, *Proceedings of 'Agro2010, the XIth ESA Congress', Montpellier, France, August 29th - September 3rd, 2010*. Wery, J., Shili-Touzi, I. & Perrin, A. (eds.). Montpellier, France: Agropolis International Editions, p. 207-208 2 p.

New annual legume crops for Finnish conditions

Stoddard, F., Lizarazo Torres, C., Mäkelä, P. & Nykänen, A., 2010, *Maataloustieteen Päivät 2010: [verkkojulkaisu]*. Hopponen, A. (ed.). [Helsinki]: Suomen maataloustieteellinen seura, 4 p. (Suomen Maataloustieteellisen Seuran julkaisuja; no. 26).

Nutritive quality of Finnish grown grain legumes

Lizarazo Torres, C., Santanen, A. & Stoddard, F., 2010, *Plant Breeding and Management for Human Nutrition - How can we produce more healthful crops for human nutrition?: NJF Seminar 419, Forssa, Finland, 10-11 June 2010*. Niemeläinen, O. & Kiviharju, E. (eds.). Stockholm: Nordic Association of Agricultural Scientists (NJF), p. 80-83 4 p. (NJF report; vol. 6, no. 2).

Physiological testing of cool-season faba bean cultivars to drought stress

Molnar, Z., Khazaei, H., Lizarazo Torres, C. & Stoddard, F., 2010, *5th International Food Legumes Research Conference (IFLRC V) & 7th European Conference on Grain Legumes (AEP VII)*. p. 247 1 p.

Sewage sludge as nutrient source for bioenergy crops

Seleiman, M. F., Santanen, A., Manninen-Egilmez, P., Stoddard, F. & Mäkelä, P., 2010, *Maataloustieteen Päivät 2010: [verkkojulkaisu]*. Hopponen, A. (ed.). [Helsinki]: Suomen maataloustieteellinen seura, 5 p. (Suomen Maataloustieteellisen Seuran julkaisuja; no. 26).

Thinking outside the square: alternative crops for Finnish rotations

Stoddard, F., Epie, K. E., Kymäläinen, M., Lizarazo Torres, C., Maijala, P., Mäkelä, P., Nykänen, A., Pakarinen, A., Santanen, A., Viikari, L. & Zou, L., 2010, *Proceedings of OF AGRO 2010, the XI ESA Congress*. Wery, J., Shili-Touzi, I. & Perrin, A. (eds.). Montpellier: Agropolis International Editions, p. 777-778 2 p.

Typpi- ja valkuaisomavaraisuuden lisääminen palkokasveja tehokkaasti hyödyntämällä

Sipiläinen, T., Känkänen, H., Huusela-Veistola, E., Jalli, H., Jalli, M., Hannukkala, A., Nykänen, A., Lemola, R., Turunen, H., Koikkalainen, K., Stoddard, F., Vanhatalo, A. & Kymäläinen, M., 2010, *Maataloustieteen päivät 2010: [verkkojulkaisu]*. Hopponen, A. (ed.). Suomen maataloustieteellinen seura, 5 p. (Suomen maataloustieteellisen seuran julkaisuja; no. 26).

Phytoremediation potential of hemp and lupins grown on soil polluted with copper, chromium and arsenic

Egilmez, P., Mäkelä, P., Santanen, A., Stoddard, F., Seppänen, M., Yli-Halla, M. & Hartikainen, H., 2009, *International Conference on Plants & Environmental Pollution*.

Sustainable options for biomass energy cropping at high latitudes

Stoddard, F., Santanen, A. & Mäkelä, P., 2009, *17th European biomass conference and exhibition*.

Growth of hemp and lupin in chromium, arsenic and copper contaminated soil

Manninen-Egilmez, P., Mäkelä, P., Hartikainen, H., Santanen, A., Seppänen, M., Stoddard, F. & Yli-Halla, M., 2008, In : *Italian Journal of Agronomy*. 3, 3 Suppl., p. 57-58 2 p.

Potential and problems of *Lupinus polyphyllus* Lindl. domestication

Kurlovich, B. S., Stoddard, F. L. & Earnshaw, P., 2008, *Lupins for health and wealth. : Proceedings of the 12th International Lupin Conference, Fremantle, Western Australia, 14-18 September 2008*. Palta, J. A. & Berger, J. D. (eds.). Canterbury, New Zealand: International Lupin Association, p. 304-307 4 p.

Sustainable bioenergy cropping: growing reed canarygrass in acid sulphate soils

Epie, K. E., Stoddard, F., Virtanen, S. & Simojoki, A., 2008, *New insights into sustainable cultivation methods in agriculture*. Nordic Association of Agricultural Scientists (NJF), p. 19 1 p. (NJF Report; vol. 4, no. 3).

Sustainable options for biomass energy cropping

Stoddard, F., Mäkelä, P., Santanen, A. & Yli-Halla, M., 2008, In : *Italian Journal of Agronomy*. 3, 3 Suppl., p. 555-556 2 p.

The role of legumes in bioenergy production

Stoddard, F., Helenius, J., Mäkelä, P., Niemi, E. M., Seppänen, M. & Turakainen, M., 2008, *Maataloustieteen Päivät 2008: [verkkojulkaisu]*. Suomen maataloustieteellinen seura, p. 58 1 p. (Suomen maataloustieteellisen seuran julkaisuja; no. 23).

Agro-ecosystem services from increased usage and novel applications of legumes

Helenius, J. & Stoddard, F., 2007, *6th European Conference on Grain Legumes: Integrating Legume Biology for Sustainable Agriculture*. European association for grain legume research, p. 18-19 2 p.

The role of legumes in bioenergy production

Stoddard, F., Helenius, J., Mäkelä, P., Niemi, E. M., Seppänen, M. & Turakainen, M., 2007, *Production and Utilization of Crops for Energy*. Nordic Association of Agricultural Scientists (NJF), p. 26-27 2 p. (NJF Report; vol. 3, no. 4).

Changes in cell wall composition during pistil development

Chen, W., Stoddard, F. & Baldwin, T. C., 2006, *International workshop on faba bean breeding and agronomy, Cordoba (Spain), 25-27 October, 2006*. Avila, C. M., Cubero, J. I., Moreno, M. T., Suso, M. J. & Torres, A. M. (eds.). Cordoba: Instituto de Investigacion y Formacion Agraria y Pesquera, p. 53-55 3 p.

EUFABA, a project devoted to the amelioration of *Vicia faba*

Link, W., Duc, G., Khan, H., Stoddard, F., Torres, A. & Rubiales, D., 2006, In : *Vorträge für Pflanzenzüchtung*. 68, p. 72 1 p.

Investigation of physiological traits related to drought tolerance in faba bean (*Vicia faba* L.)

Khan, H. R. & Stoddard, F., 2006, *International workshop on faba bean breeding and agronomy, Cordoba (Spain), 25-27 October, 2006*. Avila, C. M., Cubero, J. I., Moreno, M. T., Suso, M. J. & Torres, A. M. (eds.). Cordoba: Instituto de Investigacion y Formacion Agraria y Pesquera, p. 48 1 p.

New latitudes -- new questions

Stoddard, F., 2006, *Proceedings of 'Faba Bean 2006: International workshop on faba bean breeding and agronomy*. Avila, C. M., Cubero, J. I., Moreno, M. T., Suso, M. J. & Torres, A. M. (eds.). Cordoba: Instituto de Investigacion y Formacion Agraria y Pesquera, p. 41-43 3 p.

Starch granule size in small-grain cereals

Stoddard, F., 2006, *Nordic Cereal interests: abstracts from the 29th Nordic Cereal Congress June 9-11, 2006, University of Helsinki, Finland*. Stoddard, F. L. & Gates, F. (eds.). Helsinki: Finnish Association of Cereal Technologists, p. 29-30 2 p.

Stigma and style traits co-segregating with autofertility

Chen, W., Baldwin, T. C. & Stoddard, F., 2006, *International workshop on faba bean breeding and agronomy, Cordoba (Spain), 25-27 October, 2006*. Avila, C. M., Cubero, J. I., Moreno, M. T., Suso, M. J. & Torres, A. M. (eds.). Cordoba: Instituto de Investigacion y Formacion Agraria y Pesquera, p. 51-53 3 p.

A study of inbreeding depression within the genus *Restrepia* (Orchidaceae).

Millner, H. J., Stoddard, F. & Baldwin, T. C., 2004, *Advances in Applied Biology: Providing New Opportunities for Consumers and Producers in the 21st Century*. Association of Applied Biologists

An immunocytochemical comparison of the extracellular matrix in developing pistils of 'autosterile' and 'autofertile' *Vicia faba* (faba bean).

Chen, W., Stoddard, F. & Baldwin, T. C., 2004, *Advances in Applied Biology: : Providing New Opportunities for Consumers and Producers in the 21st Century*.

Starch granule size in wheat

Stoddard, F., 2004, *Using Cereal Science and Technology for the Benefit of Consumers : Proceedings of the 12th ICC Cereal and Bread Congress, 23 – 26 May 2004, Harrogate, UK*. Cauvain, S. P., Salmon, S. S. & Young, L. S. (eds.). Cambridge: Woodhead Publishing Limited, p. 461-466 6 p.

Variation in physiological responses of faba bean genotypes to moisture deficits

Stoddard, F. & Khan, H. R., 2004, *Advances in Applied Biology: Providing new opportunities for consumers and producers in the 21st century*. Association of Applied Biologists

Wheat starch granule size

Stoddard, F. L., 2004, *Advances in Applied Biology: Providing new opportunities for consumers and producers in the 21st century*. Association of Applied Biologists

Extractability and size distribution studies on wheat proteins using flow-field flow fractionation

Daqiq, L., Larroque, O. R., Stoddard, F. L. & Bekes, F., 2000, *WHEAT GLUTEN : 7th International Wheat Gluten Workshop*. Shewry, P. R. & Tatham, A. S. (eds.). Cambridge: The Royal Society of Chemistry, p. 149-153 5 p.

Methods for incorporating added glutenin subunits into the gluten matrix for extension and baking tests

Uthayakumaran, S., Stoddard, F. L., Gras, P. W. & Bekes, F., 2000, *Wheat Gluten: 7th International Wheat Gluten Workshop*. Shewry, P. R. & Tatham, A. S. (eds.). Cambridge: The Royal Society of Chemistry, p. 417-420 4 p. (ROYAL SOCIETY OF CHEMISTRY SPECIAL PUBLICATIONS ; vol. 261).

Quantity or quality? Addressing the protein paradox of flour functionality

Uthayakumaran, S., Newberry, M., Stoddard, F. L. & Bekes, F., 2000, *Wheat Gluten: 7th International Wheat Gluten Workshop*. Shewry, P. R. & Tatham, A. S. (eds.). Cambridge: The Royal Society of Chemistry, p. 396-399 4 p.

Effects of seed weight and rye germplasm on grain protein concentration in wheat

STODDARD, F. L., MOODY, D. B., GUPTA, R. B. & MARSHALL, D. R., 1991, *Gluten Proteins 1990: Fourth International Workshop on Wheat Gluten Proteins, Winnipeg*. Bushuk, W. & Tkachuk, R. (eds.). p. 707-714 8 p.

