

Fred Stoddard
professor,Handledare för doktorandprogram, Titeln docent
Avdelningen för lantbruksvetenskaper
Avdelningen för lantbruksvetenskaper
Centret för hållbarhetsvetenskap (HELSUS)
Viikki Plant Science Centre (ViPS)
Crop Science
Legume science
Plant Production Sciences
Doctoral Programme in Food Chain and Health
Doctoral Programme in Plant Sciences
Doctoral Programme in Sustainable Use of Renewable Natural Resources
Adresstyp: Postadress.
PL 27 (Latokartanonkaari 5)
00014
Finland
Adresstyp: Besöksadress.
Latokartanonkaari 5-7
Room C220
00790
Helsinki
Finland
E-post: frederick.stoddard@helsinki.fi
Telefon: +358294158342
Mobil: +358504150379



Meritförteckning

Previous employment
Department of Applied Biology, University of Helsinki, Finland
Visiting Scientist 06.08.2005 – 31.01.2007
School of Applied Sciences, University of Wolverhampton, UK
Professor of Crop Improvement 01.08.2004 – 01.08.2005
Reader 04.01.2001 – 31.07.2004
Plant Breeding Institute, The University of Sydney and the Quality Wheat CRC Ltd, Australia
Senior Research Fellow 01.09.1998 – 01.01.2001
Research Fellow 01.07.1995 – 01.09.1998
Plant Breeding Institute, The University of Sydney, Australia
Research Fellow 01.01.1992 – 30.06.1995
Department of Plant Sciences, The University of Adelaide, Australia
Research Fellow 01.05.1988 – 31.12.1991
Research Associate 05.12.1985 – 30.04.1988
Education and training
University of Cambridge and Plant Breeding Institute, Cambridge, UK 1981-1985
PhD, 08.06.1985
Project: Fertilisation in *Vicia faba* L. in relation to breeding objectives
Scholarships: Imperial Oil (Canada) Graduate Research Fellowship; St. John's College (Cambridge) Benefactor's Studentship
University of Ottawa, Ottawa, Canada 1978-1981
MSc (Biology), 25.05.1981
Scholarship: Centennial Science Scholarship, Natural Sciences and Engineering Research Council of Canada
Carleton University, Ottawa, Canada 1974-1978
BSc (First Class Honours in Biology), 1978; University Medal in Science 1978

Kvalifikationer

Plant Breeding, PhD, Fertilisation in *Vicia faba* L. in relation to breeding objectives , University of Cambridge
Tilldelningsdatum: 8 juni 1985
Biology, MSc, Correlative effects of stock and scion organs on the developmental anatomy of the graft union in *Coleus*,
University of Ottawa
Tilldelningsdatum: 28 maj 1981

Biology, BSc (First Class Honours), Development of the graft union in pea roots, Carleton Univ, Carleton University, Dept Biol

Tilldelningsdatum: 29 juni 1978

Forskningsledare (Principal Investigator)

Tidsperiod : 14.06.2010 - * i Avdelningen för lantbruksvetenskaper

Anställning

professor

Avdelningen för lantbruksvetenskaper

Helsingfors universitet

Finland

1 jan. 2025 → present

Titeln docent

Avdelningen för lantbruksvetenskaper

Helsingfors universitet

Finland

1 jan. 2010 → present

Centret för hållbarhetsvetenskap (HELSUS)

Helsingfors universitet

Helsingin yliopisto, Finland

1 jan. 2018 → present

Viikki Plant Science Centre (ViPS)

Helsingfors universitet

1 jan. 2014 → present

Crop Science

Helsingfors universitet

Finland

1 feb. 2007 → present

Legume science

Helsingfors universitet

Finland

1 feb. 2007 → present

Plant Production Sciences

Helsingfors universitet

1 feb. 2007 → present

Handledare för doktorandprogram

Doctoral Programme in Food Chain and Health

Helsingfors universitet

Finland

1 jan. 2014 → present

Handledare för doktorandprogram

Doctoral Programme in Plant Sciences

Helsingfors universitet

Helsinki, Finland

1 jan. 2014 → present

Handledare för doktorandprogram

Doctoral Programme in Sustainable Use of Renewable Natural Resources

Helsingfors universitet

Helsinki, Finland

1 jan. 2014 → present

Forskningsoutput

Narrowing the ecological yield gap to sustain crop yields with less inputs

van Ittersum, M. K., Silva, J. V., Bommarco, R., Hijbeek, R., Lundin, O., Nandillon, R., Bergkvist, G., Menegat, A., Oborn, I., Soderholm-Emas, A., Stoddard, F. L., Vico, G., Vonk, W. J., Watson, C. A. & MacLaren, C., juni 2025, I: *Global Food Security*. 45, 13 s., 100857.

Phenotyping revealed tolerance traits and genotypes for acidity and aluminum toxicity in European *Vicia faba* L.

Belachew, K., Skovbjerg, C. K., Andersen, S. U. & Stoddard, F., 25 juni 2024, I: *Physiologia Plantarum*. 176, 3, 17 s., e14404.

True ileal amino acid digestibility and protein quality of 15N-labeled faba bean in healthy humans

Itkonen, S. T., Calvez, J., Airinei, G., Chapelais, M., Khodorova, N., Sahaka, M., Benamouzig, R., Stoddard, F. L., Simojoki, A., Pajari, A.-M. & Gaudichon, C., 2024, I: *Journal of Nutrition*. 154, s. 1165-1174 10 s.

Management factors affecting faba bean yield

Belachew, K., Söderholm-Emas, A. E., Topp, C. F. E., Watson, C. A. & Stoddard, F., 31 dec. 2023, I: *Legume perspectives*. 24, s. 15-17 3 s.

A faba bean pan-genome for advancing sustainable protein security

Auvinen, P., Chang, W., Holm, L., James, M., Jääskeläinen, M., Khazaei, H., Laine, P., Paulin, L., Guedes Salgado, M. P., Stoddard, F., Tanskanen, J., Törönen, P. & Schulman, A., dec. 2023, I: *Legume perspectives*. 24, s. 7-9

Grain legume production in Europe for food, feed and meat-substitution

van Loon, M. P., Alimaghani, S., Pronk, A., Fodor, N., Ion, V., Kryvoshein, O., Kryvobok, O., Marrou, H., Mihail, R., Mínguez, M. I., Pulina, A., Reckling, M., Rittler, L., Roggero, P. P., Stoddard, F. L., Topp, C. F. E., van der Wel, J., Watson, C. & van Ittersum, M. K., dec. 2023, I: *Global Food Security*. 39, 100723.

Reproductive potential of the black bean aphid (*Aphis fabae* Scop.) on a range of faba bean (*Vicia faba* L.) accessions

Skovgard, H. & Stoddard, F., dec. 2023, I: *Legume Science*. 5, 4, 9 s., e199.

Identifying physiological and genetic determinants of faba bean transpiration response to evaporative demand

Mandour, H., Khazaei, H., Stoddard, F. & Dodd, I. C., 4 apr. 2023, I: *Annals of Botany*. 131, 3, s. 533–544 12 s.

Evaluation of pathogenicity of *Botrytis* species isolated from different legumes

Brauna-Morzevska, E., Stoddard, F. L., Bankina, B., Kaneps, J., Bimsteine, G., Petrova, I., Neusa-Luca, I., Roga, A. & Fridmanis, D., 27 mars 2023, I: *Frontiers in plant science*. 14, 11 s.

The giant diploid faba genome unlocks variation in a global protein crop

Jayakodi, M., Golicz, A. A., Kreplak, J., Fechete, L. I., Angra, D., Bednář, P., Bornhofen, E., Zhang, H., Boussageon, R., Kaur, S., Cheung, K., Čížková, J., Gundlach, H., Hallab, A., Imbert, B., Keeble-Gagnère, G., Koblížková, A., Kobrllová, L., Krejčí, P. & Mouritzen, T. W. och 34 andra, Neumann, P., Nadzieja, M., Nielsen, L. K., Novák, P., Orabi, J., Padmarasu, S., Robertson-Shersby-Harvie, T., Robledillo, L. Á., Schiemann, A., Tanskanen, J., Törönen, P., Warsame, A. O., Wittenberg, A. H. J., Himmelbach, A., Aubert, G., Courty, P. E., Doležel, J., Holm, L. U., Janss, L. L., Khazaei, H., Macas, J., Mascher, M., Smýkal, P., Snowdon, R. J., Stein, N., Stoddard, F. L., Stougaard, J., Tayeh, N., Torres, A. M., Usadel, B., Schubert, I., O'Sullivan, D. M., Schulman, A. H. & Andersen, S. U., 23 mars 2023, I: *Nature*. 615, 7953, s. 652-659 27 s.

New approach combining food value with nutrient budgeting provides insights into the value of alternative farming systems
Willoughby, C., Topp, C. F. E., Hallett, P. D., Stockdale, E. A., Stoddard, F. L., Walker, R. L., Hilton, A. J. & Watson, C. A., nov. 2022, I: Food and Energy Security. 11, 4, 16 s.

Stable nitrogen-cycling capacity in relation to fertilization and intercropping in a sub-boreal grassland
Li, H., Penttinen, P., Juhanson, J., Stoddard, F., Hallin, S. & Lindström, K., nov. 2022, I: European Journal of Soil Biology. 113, 8 s., 103441.

Yield Gaps of Major Cereal and Grain Legume Crops in Ethiopia: A Review
Belachew, K., Maina, N., Dersseh, W. M., Zeleke, B. & Stoddard, F., 17 okt. 2022, I: Agronomy. 12, 10, s. 1-22 22 s., 2528.

Narrow-leaved lupin (*Lupinus angustifolius* L.): Characterization of emulsification and fibre properties
Arzami, A., Morais de Carvalho, D., Vilaplana, F., Stoddard, F. & Mikkonen, K. S., 29 sep. 2022, I: Future Foods. 6, 100192.

Genomic regions associated with chocolate spot (*Botrytis fabae* Sard.) resistance in faba bean (*Vicia faba* L.)
Gela, T. S., Bruce, M., Chang, W., Stoddard, F. L., Schulman, A. H., Vandenberg, A. & Khazaei, H., juni 2022, I: Molecular Breeding. 42, 10 s., 35.

Agro-economic prospects for expanding soybean production beyond its current northerly limit in Europe
Karges, K., Bellingrath-Kimura, S. D., Watson, C. A., Stoddard, F. L., Halwani, M. & Reckling, M., feb. 2022, I: European Journal of Agronomy. 133, 9 s., 126415.

Recent advances in faba bean genetic and genomic tools for crop improvement
Khazaei, H., O'Sullivan, D. M., Stoddard, F. L., Adhikari, K. N., Paull, J. G., Schulman, A. H., Andersen, S. U. & Vandenberg, A., sep. 2021, I: Legume Science. 3, 3, 13 s., 75.

Discrimination of leaf diseases affecting faba bean (*Vicia faba*)
Bankina, B., Bimsteine, G., Kaneps, J., Pluduma-Paunina, I., Gaile, Z., Paura, L. & Stoddard, F. L., 4 juli 2021, I: Acta Agriculturae Scandinavica. Section B. Soil and Plant Science. 71, 5, s. 399-407 9 s.

Botrytis four species are associated with chocolate spot disease of faba bean in Latvia
Bankina, B., Stoddard, F. L., Kaneps, J., Brauna-Morzevska, E., Bimsteine, G., Neusa-Luca, I., Roga, A. & Fridmanis, D., 2021, I: Zemdirbyste. 108, 4, s. 297-302 6 s.

Physiological and Biochemical Basis of Faba Bean Breeding for Drought Adaptation —A Review
Muktadir, M. A., Adhikari, K., Merchant, A., Belachew, K., Vandenberg, A., Stoddard, F. & Khazaei, H., 7 sep. 2020, I: Agronomy. 10, 9, 19 s., 1345.

Evaluation of yield, yield stability, and yield–protein relationship in 17 commercial faba bean cultivars
Skovbjerg, C. K., Knudsen, J. N., Fuchtbauer, W., Stougaard, J., Stoddard, F. L., Janss, L. & Andersen, S. U., sep. 2020, I: Legume Science. 2, 3, 11 s.

Response of Soil Bacterial Community Diversity and Composition to Time, Fertilization, and Plant Species in a Sub-Boreal Climate
Li, H., Penttinen, P., Mikkonen, A., Stoddard, F. L. & Lindstrom, K., 5 aug. 2020, I: Frontiers in Microbiology. 11, 12 s., 1780.

Preparation and Characterization of Emulsion Gels from Whole Faba Bean Flour
Jiang, Z.-Q., Wang, J., Stoddard, F., Salovaara, H. & Sontag-Strohm, T., 7 juni 2020, I: Foods. 9, 6, 15 s., 755.

Genomic-based root plasticity to enhance abiotic stress adaptation and edible yield in grain crops

Dwivedi, S. L., Stoddard, F. L. & Ortiz, R., juni 2020, I: Plant Science. 295, 10 s., 110365.

The transgenerational effects of solar short-UV radiation differed in two accessions of *Vicia faba* L. from contrasting UV environments

Yan, Y., Stoddard, F. L., Neugart, S., Oravec, M., Urban, O., Sadras, V. O. & Aphalo, P. J., maj 2020, I: Journal of Plant Physiology. 248, 14 s., 153145.

Re-designing organic grain legume cropping systems using systems agronomy

Reckling, M., Bergkvist, G., Watson, C. A., Stoddard, F. L. & Bachinger, J., jan. 2020, I: European Journal of Agronomy. 112, 13 s., 125951.

Genetic analysis of photosynthesis-related traits in faba bean (*Vicia faba*) for crop improvement

Khazaei, H., Wach, D., Pecio, A., Vandenberg, A. & Stoddard, F. L., dec. 2019, I: Plant Breeding. 138, 6, s. 761-769 9 s.

Palindromic sequence-targeted (PST) PCR: a rapid and efficient method for high-throughput gene characterization and genome walking

Kalendar, R., Shustov, A., Seppänen, M. M., Schulman, A. H. & Stoddard, F. L., 27 nov. 2019, I: Scientific Reports. 9, 17707, 11 s., 17707.

Association of Shoot and Root Responses to Water Deficit in Young Faba Bean (*Vicia faba* L.) Plants

Belachew, K. Y., Nagel, K. A., Poorter, H. & Stoddard, F. L., 4 sep. 2019, I: Frontiers in plant science. 10, 10 s., 1063.

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., Bjornsdotter, E., Geu-Flores, F., Nadzieja, M., Andersen, S. U., Stougaard, J., Vandenberg, A. & Stoddard, F. L., sep. 2019, I: Trends in Food Science & Technology. 91, s. 549-556 8 s.

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., juni 2019, I: Plant Genetic Resources. 17, 3, s. 298-300 3 s., 1479262118000461.

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

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

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, I: Photochemical & Photobiological Sciences. 18, 2, s. 434-447 14 s.

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, I: Agronomy for Sustainable Development. 38, 6, 10 s., 63.

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

Khazaei, H., Stoddard, F. L., Purves, R. W. & Vandenberg, A., okt. 2018, I: Plant Genetic Resources. 16, 5, s. 419-423 5 s.

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

Duc, G. & Stoddard, F., okt. 2018, I: Plant Genetic Resources. 16, 5, s. 483-487 5 s.

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

Khazaei, H., Link, W., Street, K. & Stoddard, F. L., okt. 2018, I: Plant Genetic Resources. 16, 5, s. 478-482 5 s.

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, I: PeerJ. 6, s. 1-20 20 s., 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, I: Australasian Plant Pathology. 47, 1, s. 71-81 11 s.

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, I: Agricultural and Food Science. 27, 3, s. 190-198 9 s.

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, I: Agricultural and Food Science. 27, 3, s. 199-205 7 s.

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, I: Agricultural and Food Science. 27, 3, s. 146-151 7 s.

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, I: Molecular Breeding. 37, 11, 6 s., 140.

Climate change can affect crop pollination in unexpected ways

Stoddard, F. L., maj 2017, I: Journal of Experimental Botany. 68, 8, s. 1819-1821 3 s.

Proposal for C-Hordein as Reference Material in Gluten Quantification

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

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

Belachew, K. Y. & Stoddard, F. L., 8 feb. 2017, I: PeerJ. 5, s. e2963, 1-19 19 s., 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, I: Journal of Agronomy and Crop Science. 203, 5, s. 385-396 12 s.

Oxidation of proline decreases immunoreactivity and alters structure of barley prolamin

Huang, X., Sontag-Strohm, T., Stoddard, F. L. & Kato, Y., 1 jan. 2017, I: Food Chemistry. 214, s. 597-605 9 s.

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, I: Advances in Agronomy. 144, s. 235-303 69 s.

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., juni 2016, I: Agronomy for Sustainable Development. 36, 2, 20 s., 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 maj 2016, I: Frontiers in plant science. 7, 15 s., 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., maj 2016, I: European Journal of Agronomy. 76, s. 186-197 12 s.

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, I: Climatic Change. 134, 4, s. 667-680 14 s.

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., Ogonnaya, F. C., Link, W., Thomas, J. & O'Sullivan, D. M., jan. 2016, I: Plant biotechnology journal. 14, 1, s. 177-185 9 s.

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, I: LWT-Food Science and Technology. 68, s. 295-305 11 s.

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, I: Nutrient Cycling in Agroecosystems. 103, 2, s. 311-327 17 s.

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, I: The Science of the Total Environment. 532, s. 752-761 10 s.

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, I: Frontiers in plant science. 6, 6 s., 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 juni 2015, I: PLoS One. 10, 6, 13 s., 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, I: Molecular Breeding. 35, 1, 6 s., 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, I: Food Research International. 76, 1, s. 168-177 10 s.

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

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

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, I: European Journal of Soil Biology. 69, s. 41-51 11 s.

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, I: Nutrient Cycling in Agroecosystems. 101, 2, s. 211-222 12 s.

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, I: Journal of the Science of Food and Agriculture. 95, 10, s. 2053-2064 12 s.

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, I: International Journal of Remote Sensing. 36, 24, s. 6031-6055 25 s.

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

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

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, I: Plant and Soil. 374, 1-2, s. 89-107 18 s.

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., Sillanpää, M. J. & Stoddard, F. L., 2014, I: Molecular Breeding. 34, 3, s. 1507-1513 7 s.

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, I: Allelopathy Journal. 33, 2, s. 227-235 9 s.

Photographic measurement of leaf angles in field crops

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Aktivitetter

Succeed with grain legumes

Stoddard, F. (!!Speaker)
23 jan. 2019

Examination of PhD thesis of the University of Sydney, Australia

Stoddard, F. (Förhandsgranskare)
5 feb. 2018

Uusia valkuaiskasveja viljelyyn

Stoddard, F. (!!Speaker)
1 nov. 2017

Kiflemariam Yehuala Belachew

Stoddard, F. (Handledare)
1 dec. 2014 → 30 juni 2019

External thesis supervision: Moritz Reckling

Stoddard, F. (Handledare)
1 sep. 2014 → 14 dec. 2018

KoneAgria

Stoddard, F. (Talare: Presentation)
25 okt. 2012

ProAgria palkokasvipäivät 22-23.02.2012

Stoddard, F. (Talare: Presentation)
22 feb. 2012 → 23 feb. 2012

Pro-Agria Itä-Uusimaa

Stoddard, F. (Talare: Presentation)
19 juli 2011

ProAgria Länsi-Uusimaa

Stoddard, F. (Talare: Presentation)
13 juli 2011

Österbottens Kött

Stoddard, F. (Talare: Presentation)
17 mars 2011

Luomuvalkuaisseminaari

Stoddard, F. (Talare: Presentation)
26 nov. 2010

ProAgrian Viljelysuunnittelun ajankohtaispäivä

Stoddard, F. (Talare: Presentation)
2 nov. 2010

KoneAgria

Stoddard, F. (Talare: Presentation)
20 okt. 2010

Department's Stakeholders Day

Stoddard, F. (Talare: Presentation)
19 aug. 2010

Päivitä tietosi luomusta! – Luomuseminaari

Stoddard, F. (Talare: Presentation)
28 juli 2010

Öljykasvienpäivät

Stoddard, F. (Talare: Presentation)
11 mars 2010

Thesis supervision: Clara Lizarazo

Stoddard, F. (Handledare)
1 jan. 2010 → 30 apr. 2017

Thesis supervision: Epie Kenedy

Stoddard, F. (Handledare)
1 jan. 2010 → 13 nov. 2015

Thesis supervision: Ling Zou

Stoddard, F. (Bihandledare)
1 jan. 2010 → 31 dec. 2015

Satafood seminaari, Loimaa

Stoddard, F. (Talare: Presentation)
12 nov. 2009

ProAgria seminaari

Stoddard, F. (Talare: Presentation)
10 nov. 2009

Thesis supervision: Mahmoud Seleiman

Stoddard, F. (Bihandledare)
1 okt. 2009 → 4 apr. 2014

Thesis supervision: Hamid Khazaei

Stoddard, F. (Handledare)
1 sep. 2009 → 30 sep. 2014

Thesis supervision: Antti Tuulos

Stoddard, F. (Bihandledare)
1 jan. 2009 → 31 dec. 2015

Thesis supervision: Petra Manninen-Egilmez

Stoddard, F. (Bihandledare)
1 jan. 2009 → 31 dec. 2015

Heureka Centre: Biology day
Stoddard, F. (Talare: Presentation)
12 dec. 2008

Café Scientifique: Academy of Finland public presentation
Stoddard, F. (Talare: Presentation)
27 okt. 2008

External thesis supervision: Wen Chen
Stoddard, F. (Handledare)
1 jan. 2003 → 31 dec. 2006

Press/media

Eroon härkäpavun haitta-aineista
Stoddard, F.
21/10/2021
1 objekt av Mediabevakning

Protein crop's potential unlocked by deciphering anti-nutrient biosynthesis
Stoddard, F.
27/07/2021
1 objekt av Mediabevakning

Protein crop's potential unlocked by deciphering anti-nutrient biosynthesis
Stoddard, F.
09/07/2021
1 objekt av Mediabevakning

Protein Crop's Potential Unlocked By Deciphering Anti-Nutrient Biosynthesis
Stoddard, F.
08/07/2021
1 objekt av Mediabevakning

University of Helsinki: Potential of Faba Beans, Rich in Protein, Has Been Unlocked
Stoddard, F.
07/07/2021
1 objekt av Mediabevakning

Potential of faba beans, rich in protein, has been unlocked
Stoddard, F.
06/07/2021
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80 000 hehtaaria härkäpapua riittäisi Suomen sioille
Stoddard, F.
30/10/2020
1 objekt av Mediabevakning

Vinkkien vaihtoa, lohkon ja kasvin mätsäämistä – Fred Stoddardin reseptit palkokasvien viljelyn vauhdittamiseen
Stoddard, F.
30/10/2020
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Domestic legumes for animal feed
Stoddard, F.

17/09/2019
1 objekt av Mediabevakning

Finnish faba bean for climate-smart agriculture

Stoddard, F.
13/09/2019
1 objekt av Mediabevakning

Poor yield of faba bean may be due to pests and diseases

Stoddard, F.
31/01/2018
1 objekt av Mediabevakning

Interview for Landsbygdens Folk

Stoddard, F.
07/08/2017
1 Mediabidrag

Interview for Yle about goose-dog

Stoddard, F.
19/06/2017
1 objekt av Mediabevakning

Interview for Luomulehti

Stoddard, F.
12/09/2014
1 Mediabidrag

Interview for Maatilan Pellervo

Stoddard, F.
08/08/2014
1 Mediabidrag

Interview for French radio about teaching in English

Stoddard, F.
18/06/2013
1 Mediabidrag

Harva tuntee proteiini- ja kuitupitoisen sinilupiinin hyödyt: Narrow-leaved lupin for protein- and fibre-rich foods

Stoddard, F.
04/04/2013
1 Mediabidrag

Interview for Nelonen uutiset about home-grown feed protein

Stoddard, F.
01/03/2013
1 Mediabidrag

Glorian Ruoka ja Viini-lehti 12.2010: Palkokasvien ekologisuus

Stoddard, F.
01/12/2010
1 Mediabidrag

Tiede-lehti 08.2010: Tekniikka: Hamppu valmiina palvelukseen

Stoddard, F.
01/08/2010

1 Mediabidrag

Luomu-lehti 04.2010: Legumes for organic and conventional agriculture

Stoddard, F.

01/04/2010

1 Mediabidrag

Kehittyvä Elintarvike-lehti 2010: Potential for foods made from grain legumes

Stoddard, F.

01/03/2010

1 Mediabidrag

Maatilan Pellervo-lehti 12.2009: Lupin a partner for faba bean?: Lupiinista kaveri härkävulle?

Stoddard, F.

01/12/2009

1 Mediabidrag

Helsingin Sanomat newspaper 17.08.2009: Blue lupin demonstrated to lower blood pressure: Sinilupiinin todettu alentavan verenpainetta

Stoddard, F.

17/08/2009

1 Mediabidrag

Maaseudun Tiede-lehti 07.2009: Area sown to feed legumes expected to increase: Rehupalkokasvien viljelyalan uskotaan moninkertastuvan

Stoddard, F.

08/07/2009

1 Mediabidrag

Käytännön Maamies KM magazine 04.2009: Faba bean to be Europe's soybean: Härkävusta Euroopan soija

Stoddard, F.

01/04/2009

1 Mediabidrag

Maaseudun Tiede-lehti 03.2009: Blue lupin, a new animal feed: Sinilupiinista uusi rehukasvi

Stoddard, F.

09/03/2009

1 Mediabidrag

Projekt

EDUFI IIE-Scholar Rescue Fund

Stoddard, F. (Projektledare)

Opetushallitus Ostolaskut

01/01/2025 → 31/12/2025

Projekt: Ministerium finansiering

SKR 2024/Vottonen Laura

Stoddard, F. (Projektledare)

Suomen Kulttuurirahasto

14/05/2024 → 30/04/2025

Projekt: Stiftelser och fonder

Climate-ready faba beans for the Nordic

Stoddard, F. (Projektledare), Vahisalu, T. (Projektledare), Leppänen, T. L. A. (deltagare) & Maniruzzaman, M. (deltagare)

NordForsk

01/01/2023 → 31/12/2026

Projekt: Externa finansiering

IceBran: Ice-structuring proteins from wheat brans to improve frozen dough/bread quality

Huang, X. (Principal Investigator), Katina, K. (Deltagare), Stoddard, F. (Deltagare), Lopes Graça, C. A. (Deltagare) & Hashim, M. (Deltagare)

01/04/2022 → 30/09/2023

Projekt: Forskningsprojekt

InnoFoodAfrica: Locally-driven co-development of plant-based value chains towards more sustainable African food system with healthier diets and export potential

Maina, N. (Projektledare), Fogelholm, M. (Principal Investigator), Stoddard, F. (Principal Investigator), Katina, K. (Principal Investigator), Coda, R. (Deltagare), Lehtinen, P. (Deltagare) & Belachew, K. (Deltagare)

01/08/2020 → 31/07/2023

Projekt: Forskningsprojekt

Leg4Life: Legumes for sustainable food system and healthy life

Pajari, A.-M. (Principal Investigator), Piironen, V. (Co-Principal Investigator), Vanhatalo, A. (Deltagare), Simojoki, A. (Deltagare), Jouppila, K. (Deltagare), Kariluoto, S. (Deltagare), Päivärinta, E. (Deltagare), Kontinen, H. (Deltagare), Hyytiäinen, K. (Deltagare), Lombardini (former Lombardini-Riipinen), C. (Deltagare), Lamminen, M. (Deltagare), Alakukku, L. (Deltagare), Chamlagain, B. (Deltagare), Coda, R. (Deltagare), Erbjerg, P. (Deltagare), Edelmann, M. (Deltagare), Halmemies-Beauchet-Filleau, A. (Deltagare), Itkonen, S. (Deltagare), Katina, K. (Deltagare), Knaapila, A. (Deltagare), Kokkonen, T. (Deltagare), Kuoppala, K. (Deltagare), Lampi, A.-M. (Deltagare), Mäkelä, P. (Deltagare), Nurmi, V. (Deltagare), Ramos-Diaz, J. M. (Deltagare), Salonen, A. (Deltagare), Sandell, M. (Deltagare), Sihvonen, M. (Deltagare), Sontag-Strohm, T. (Deltagare), Stoddard, F. (Deltagare), Tenkanen, M. (Deltagare) & Varmanen, P. (Projektledare)

01/06/2019 → 31/08/2025

Projekt: Forskningsprojekt

ProFaba: ProFaba: Developing improved Vicia faba breeding practices and varieties to drive domestic protein production in the European Union

Stoddard, F. (Principal Investigator), Schulman, A. (Projektledare) & Belachew, K. (Projektledare)

Maa- ja metsätalousministeriö

15/04/2019 → 14/04/2022

Projekt: Forskningsprojekt

LegumeGap: LegumeGap: Increasing productivity and sustainability of European plant protein production by closing the grain legume yield gap

Stoddard, F. (Projektledare) & Belachew, K. (Projektledare)

Maa- ja metsätalousministeriö

01/04/2019 → 31/03/2022

Projekt: Forskningsprojekt

Legumes Translated

Lindström, K. (Projektledare), Stoddard, F. (Co-Principal Investigator), Sontag-Strohm, T. (Co-Principal Investigator) & Schauman, C. (Deltagare)

01/11/2018 → 31/10/2021

Projekt: Forskningsprojekt

MAGGE-pH: MAGGE pH: Mitigating Agricultural Greenhouse Gas Emissions by Improved pH management of soils

Simojoki, A. (Projektledare), Stoddard, F. (Principal Investigator), Penttinen, P. (Deltagare), Lindström, K. (Deltagare) & Tuovinen, A.-M. (Deltagare)

01/09/2017 → 31/08/2020

Projekt: Forskningsprojekt

Papugeno: Genomic tools for faba bean (Vicia faba L.) improvement for food and protein security

Stoddard, F. (Projektledare) & Schulman, A. (Principal Investigator)

SUOMEN AKATEMIA

01/09/2016 → 31/08/2020

Projekt: Forskningsprojekt

NORFAB: Protein for the Northern Hemisphere

Stoddard, F. (Projektledare), Schulman, A. (Principal Investigator), Chang, W. (deltagare), Katina, K. (deltagare), Lampi, A.-M. (deltagare), Narvanto, A. M. (deltagare), Piironen, V. (deltagare) & Tenkanen, M. (deltagare)

Aarhus Universitet

01/04/2016 → 30/11/2022

Projekt: Stiftelser och fonder

ViPS: Viikki Plant Science Centre

Elomaa, P. (Projektledare), Aphalo, P. (Principal Investigator), Asiegbu, F. (Principal Investigator), Bäck, J. (Principal Investigator), Berninger, F. (Principal Investigator), Brosche, M. (Principal Investigator), Fagerstedt, K. (Principal Investigator), Hänninen, H. (Principal Investigator), Heinonsalo, J. (Principal Investigator), Helariutta, Y. (Principal Investigator), Himanen, K. (Principal Investigator), Hölttä, T. (Principal Investigator), Hytönen, T. (Principal Investigator), Hyvönen, J. (Principal Investigator), Kangasjärvi, J. (Principal Investigator), Kärkönen, A. (Principal Investigator), Korpelainen, H. (Principal Investigator), Laine, A.-L. (Principal Investigator), Mähönen, A. P. (Principal Investigator), Mäkelä, A. (Principal Investigator), Mäkinen, K. (Principal Investigator), Ojala, A. (Principal Investigator), Overmyer, K. (Principal Investigator), Palonen, P. (Principal Investigator), Palva, E. T. (Principal Investigator), Pihlatie, M. (Principal Investigator), Pirhonen, M. (Principal Investigator), Porcar-Castell, A. (Principal Investigator), Pumpanen, J. (Principal Investigator), Rikkinen, J. (Principal Investigator), Robson, T. M. (Principal Investigator), Salojärvi, J. (Principal Investigator), Schulman, A. (Principal Investigator), Stoddard, F. (Principal Investigator), Teeri, T. (Principal Investigator), Valkonen, J. (Principal Investigator), Vesala, T. (Principal Investigator), Wrzaczek, M. (Principal Investigator) & Sims-Huopaniemi, K. (Annan)

01/01/2015 → ...

Projekt: Annan projekt

NaPPI: NaPPI-Kansallinen Kasvi Fenotyyppaus Infrastruktuuri

Palva, E. T. (Deltagare), Asiegbu, F. (Deltagare), Elomaa, P. (Deltagare), Fagerstedt, K. (Projektledare), Helariutta, Y. (Deltagare), Himanen, K. (Principal Investigator), Hytönen, T. (Deltagare), Kangasjärvi, J. (Deltagare), Mäkelä, P. (Deltagare), Schulman, A. (Deltagare), Sims-Huopaniemi, K. (Deltagare), Stoddard, F. (Deltagare), Teeri, T. (Deltagare), Valkonen, J. (Deltagare), Oksanen, E. (Deltagare), Keinänen, M. (Deltagare), Dumont, J. (Deltagare), Hauta-Kasari, M. (Deltagare), Hiltunen, J. (Deltagare), Karjalainen, P. (Deltagare), Aro, E.-M. (Deltagare) & Häggman, H. (Deltagare)

Unknown funder

01/12/2013 → ...

Projekt: Annan projekt

Jatkokoulutus (NIFAPRO) Human capital development in agricultural biotechnology

Valkonen, J. (Projektledare), Korpelainen, H. (Deltagare), Elomaa, P. (Deltagare) & Stoddard, F. (Deltagare)

01/12/2013 → 31/12/2015

Projekt: Forskningsprojekt

Kasvinviljely- ja kotieläintilojen yhteistyö - avain tuotannon kestäväään tehostamiseen

Mikkola, H. (Projektledare), Pyykkönen, P. (Deltagare), Seppänen, M. (Deltagare), Jaakkola, S. (Deltagare), Stoddard, F. (Deltagare), Mäkelä, P. (Deltagare), Vanhatalo, A. (Deltagare), Valaja, J. (Deltagare), Helenius, J. (Deltagare), Alakukku, L. (Deltagare), Yli-Halla, M. (Deltagare), Lindström, K. (Deltagare), Penttinen, P. (Deltagare), Sipiläinen, T. (Deltagare), Lähti, M. (Deltagare), Karttunen, J. (Deltagare) & Rinta-Kiikka, S. (Deltagare)

01/01/2013 → 31/12/2015

Projekt: Forskningsprojekt

Sensory ecology of plants and pre-emptive acclimation

Aphalo, P. (Principal Investigator), Stoddard, F. (Deltagare), Yan, Y. (Deltagare), Rai, N. (Deltagare), Lindfors, A. (Deltagare), Novoplansky, A. (Deltagare), Sadras, V. O. (Deltagare), Morales Suarez, L. O. (Deltagare), Lehto, T. (Deltagare), Neugart, S. (Deltagare), Wang, F. (Deltagare), Siipola, S. M. (Deltagare), Calderini, D. (Deltagare), Casal, J. J. (Deltagare), Lehto, T. (Deltagare), Kotilainen, T. (Deltagare) & Sipari, N. (Projektledare)

01/01/2012 → ...

Projekt: Forskningsprojekt

Fabapapuaines

Salovaara, H. (Projektledare), Piironen, V. (Deltagare), Lampi, A.-M. (Deltagare), Stoddard, F. (Deltagare), Sontag-Strohm, T. (Deltagare), Kanerva, P. (Deltagare), Kariluoto, S. (Deltagare), Pulkkinen, M. (Deltagare), Jiang, Z.-Q. (Deltagare), Tahvonen, R. (Deltagare), Järvenpää, E. (Deltagare), Rokka, S. (Deltagare), Pihlaja, J.-M. (Deltagare), Mäki, M. (Deltagare), Latvala, T. (Deltagare), Kotro, J. (Deltagare) & Niva, M. (Deltagare)

Unknown funder
01/01/2012 → 31/12/2014
Projekt: Forskningsprojekt

Science of Sustainable Agriculture (SSA)

Ahokas, J. (Principal Investigator), Alakukku, L. (Principal Investigator), Alitalo, A. (Deltagare), Bouquet, A. (Deltagare), Chen, L. (Deltagare), Egilmez, P. (Deltagare), Elo, K. (Principal Investigator), Hakojärvi, M. (Deltagare), Hartikainen, H. (Principal Investigator), Hautala, M. (Principal Investigator), Helenius, J. (Principal Investigator), Hepola, H. (Deltagare), Herzon, I. (Deltagare), Hokkanen, H. (Principal Investigator), Honkanen, A. (Deltagare), Hytönen, T. (Principal Investigator), Häggman, J. (Deltagare), Jaakkola, S. (Principal Investigator), Jauni, M. (Deltagare), Jokela, V. (Deltagare), Juga, J. (Principal Investigator), Kallioniemi, M. K. (Deltagare), Kenedy Etone, E. (Deltagare), Keskinen, R. (Deltagare), Khazaei, H. (Deltagare), Kivelä, J. (Deltagare), Knuutila, O. (Deltagare), Kokkonen, T. (Principal Investigator), Kostamo, K. (Deltagare), Kuisma, R. (Principal Investigator), Kymäläinen, H.-R. (Principal Investigator), Kärkkäinen, H. (Deltagare), Laaksoharju, T. (Deltagare), Laurila, H. A. (Deltagare), Lehtimäki, M. (Deltagare), Lehto, M. K. (Deltagare), Levonmäki, M. M. (Deltagare), Liinamo, A.-E. (Deltagare), Linden, L. (Principal Investigator), Lizarazo, C. (Deltagare), Ma, M. (Deltagare), Makgahlela, M. (Deltagare), Mattila, P. (Deltagare), Menzler-Hokkanen, I. (Deltagare), Mikkola, H. (Deltagare), Muma, E. N. (Deltagare), Mäkelä, P. (Principal Investigator), Määttä, J. (Deltagare), Niemelä, T. (Deltagare), Nykänen, A. (Deltagare), Näsi, M. (Principal Investigator), Ojala, M. (Deltagare), Ooperi, S. (Deltagare), Pakarinen, A. (Deltagare), Palonen, P. (Principal Investigator), Pastell, M. (Principal Investigator), Peltovuori, T. (Deltagare), Puustinen, M. S. (Deltagare), Rantanen, M. (Deltagare), Rappe, E. (Deltagare), Rasa, K. (Deltagare), Riesinger, P. (Deltagare), Risku-Norja, H. (Deltagare), Ristolainen, A. K. (Deltagare), Roslin, T. (Principal Investigator), Rätty, M. (Deltagare), Sairanen, J. (Deltagare), Salin, S. (Deltagare), Santanen, A. (Deltagare), Seleiman, M. F. (Deltagare), Seppänen, M. (Principal Investigator), Siipola, V. (Deltagare), Sillanpää, M. (Principal Investigator), Simojoki, A. (Deltagare), Soinne, H. (Deltagare), Stoddard, F. (Principal Investigator), Suontama, M. (Deltagare), Säisä, M. (Principal Investigator), Tallberg, P. (Principal Investigator), Tammeorg, P. (Deltagare), Tamminen, P. (Deltagare), Tarmi, S. (Deltagare), Teye, F.K.-W. (Deltagare), Tiusanen, J. (Deltagare), Turakainen, M. (Deltagare), Tuulos, A. (Deltagare), Tyrisevä, A.-M. (Deltagare), Valkonen, J. (Principal Investigator), Vanhatalo, A. (Principal Investigator), Venäläinen, S. (Deltagare), Virtanen, S. (Deltagare), Yli-Halla, M. (Principal Investigator), Ylivainio, K. (Deltagare), Zec-Vojinovic, M. (Deltagare) & Zou, L. (Deltagare)

24/02/2011 → 31/12/2020

Projekt: Forskningsutvärdering 2011

Kotimaiset palkoviljat maidontuotannon omavaraisuuden tehostajana

Vanhatalo, A. (Projektledare), Puhakka, L. (Deltagare), Jaakkola, S. (Deltagare), Kokkonen, T. (Deltagare) & Stoddard, F. (Deltagare)

Unknown funder

01/01/2011 → 31/12/2014

Projekt: Forskningsprojekt

Grain legume quality for food purposes

Stoddard, F. (Projektledare), Piironen, V. (Projektledare), Kariluoto, S. (Deltagare), Lampi, A.-M. (Deltagare), Sontag-Strohm, T. (Deltagare), Loponen, J. (Deltagare), Salovaara, H. (Deltagare) & Lizarazo, C. (Deltagare)

01/09/2010 → ...

Projekt: Forskningsprojekt

Legume Futures; Legume-supported cropping systems for Europe

Stoddard, F. (Deltagare), Nykänen, A. (Deltagare), Lindström, K. (Deltagare) & Simojoki, A. (Deltagare)

01/02/2010 → 31/01/2014

Projekt: Forskningsprojekt

AgriHiili (2010-2012): Towards carbon-negative farming: use of biochar as carbon sink, as soil conditioner and in preventing nutrient leaching

Helenius, J. (Deltagare), Tammeorg, P. (Deltagare), Mäkelä, P. (Deltagare), Stoddard, F. (Deltagare), Simojoki, A. (Deltagare), Yli-Halla, M. (Deltagare) & Alakukku, L. (Deltagare)

01/01/2010 → 31/12/2012

Projekt: Forskningsprojekt

Kasvintuotannon ekologinen intensifikaatio

Mäkelä, P. (Projektledare), Stoddard, F. (Deltagare), Zou, L. (Deltagare), Santanen, A. (Deltagare), Yli-Halla, M. (Deltagare) & Lindström, K. (Deltagare)

Unknown funder

01/01/2010 → 31/12/2012

Projekt: Forskningsprojekt

Legume-supported crop rotations for Finland

Stoddard, F. (Annan), Lizarazo, C. (Deltagare), Lindström, K. (Deltagare) & Santanen, A. (Deltagare)

01/01/2010 → 31/12/2013

Projekt: Forskningsprojekt

Sustainable bioenergy cropping systems

Stoddard, F. (Annan), Kenedy Etone, E. (Projektledare), Santanen, A. (Deltagare), Yli-Halla, M. (Deltagare) & Simojoki, A. (Deltagare)

01/01/2010 → 31/12/2013

Projekt: Forskningsprojekt

Grain legume quality for feed purposes

Stoddard, F. (Projektledare), Vanhatalo, A. (Deltagare), Jaakkola, S. (Deltagare), Näsi, M. (Deltagare) & Lizarazo, C. (Deltagare)

01/09/2009 → ...

Projekt: Forskningsprojekt

Leaf traits associated with drought resistance in faba bean (*Vicia faba* L.)

Stoddard, F. (Deltagare), Santanen, A. (Deltagare), Khazaei, H. (Deltagare) & Sillanpää, M. (Deltagare)

01/09/2009 → 31/08/2013

Projekt: Forskningsprojekt

Syysrypsin monipuolisuus tehokkaaseen käyttöön

Mäkelä, P. (Projektledare), Tuulos, A. (Deltagare), Stoddard, F. (Deltagare), Santanen, A. (Deltagare), Yli-Halla, M. (Deltagare), Lindström, K. (Deltagare), Kleemola, J. (Deltagare), Jaakkola, S. (Deltagare) & Turakainen, M. (Deltagare)

01/01/2009 → 31/12/2011

Projekt: Forskningsprojekt

Bioenergy, electricity and emission trading markets (BEET)

Stoddard, F. (Projektledare), Santanen, A. (Deltagare), Ollikainen, M. (Annan) & Lankoski, J. (Projektledare)

01/01/2008 → 31/12/2011

Projekt: Forskningsprojekt

Human Capital Development in Agricultural Biotechnology Programme (NIFAPRO)

Elomaa, P. (Deltagare), Korpelainen, H. (Deltagare), Stoddard, F. (Deltagare), Niklander-Teeri, V. (Deltagare) & Valkonen, J. (Projektledare)

15/08/2007 → 31/12/2012

Projekt: Forskningsprojekt