

Curriculum Vitae

Therese W. Berge, PhD

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Language: Norwegian – mother language, English – fluent



URL for personal web site:

- ResearchGate: https://www.researchgate.net/profile/Therese_Berge
- NIBIOs web-page: <https://www.nibio.no/ansatte/therese-with-berge?locationfilter=true>
- CRISTIN (Current research information system in Norway) web-page: <https://app.cristin.no/persons/show.jsf?id=385626>

WORK EXPERIENCE AFTER MASTER DEGREE COMPLETED

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| <p>Research Scientist (Weed Science/Precision Farming)
Norwegian Institute of Bioeconomy Research (NIBIO),
Dep. of Invertebrate Pests and Weeds in Forestry, Agriculture and Horticulture, Ås, Norway</p> | 2008- |
| <p>Research Assistant (Remote Sensing of Vegetation)
Within EU Project: Climate Impact Research Centre,
Swedish Univ. of Agricultural Sciences (SLU),
Dept. Geomatics and Remote Sensing, Umeå, Sweden.
Tasks: Vegetation surveys, sampling and estimating leaf area index, Lab. work, Data management and scientific writing.</p> | 1998-2000 |

EDUCATION

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| <p>PhD (Weed Science)
Norwegian University of Life Sciences,
Dept. of Plant and Environmental Sciences
Ås, Norway.
PhD thesis in weed science: "Spatial patchiness of broadleaved weeds in cereals and simulated patch spraying".</p> | 2008 |
| <p>MSc (Vegetation Ecology)
University of Tromsø, Dept. of Biology and Geology
Tromsø, Norway.
MSc thesis in vegetation science: "Use of AVHRR NDVI data to map phytogeographical zones and phytomass on Svalbard".
Courses: Botany excursion for Master students to Chile, Quantitative Ecology, Special course "From field survey to Vegetation Map"</p> | 1998 |
| <p>Cand. Mag. (Botany, Other natural sciences)
Univ. of Trondheim, Trondheim, Norway.
Botany, Taxonomy (vascular plants, lichens, mosses), Vegetation Science, Biogeography, Ecology, GIS, Chemistry, Physiology, Zoology, Statistical analyses, Mathematics, Remote Sensing and other natural science subjects.</p> | 1996 |

EXPERIENCE IN RESEARCH PROJECTS ON WEED SCIENCE IN CURRENT POSITION

- PresiHøstkorn** - Redusert forbruk av ugrasmidler i korn: 2020-2023
 Skadeterskler for presisjonsprøyting i høstkorn [Threshold models for precision herbicide application in winter cereals]
<https://www.landbruksdirektoratet.no/no/miljo-og-okologisk/klima-og-miljoprogrammet/prosjekter-pvm/integrert-plantevern/presihøstkorn-reduert-forbruk-av-ugrasmidler-i-korn-skadeterskler-for-presisjonsprøyting-i-høstkorn>
TW Berge is principal researcher and project leader
- PREMIS**: Presisjonsjordbruk ut i praksis – forskningsbasert utvikling 2020-2024
 og kvalitetssikring av klimavennlige tjenester som er lønnsomme for bonden.
 [Precision agriculture into practice – R&D-based development and validation of climate-friendly and cost-effective services for farmers]
<https://www.nibio.no/nyheter/lager-brukervennlige-teknologiske-tjenester-for-norske-gardbrukere?locationfilter=true>
TW Berge is leading Task on Weeds.
- AC/DC** - Applying and Combining Disturbance and Competition for an agro-ecological 2019-2021
 management of creeping perennial weeds
<https://www.nibio.no/en/projects/ac-dc-weeds-applying-and-combining-disturbance-and-competition-for-an-agro-ecological-management-of-creeping-perennial-weeds?locationfilter=true>
TW Berge is national leader of WP Monitoring
- ECRUSLI** – Controlling *Echinochloa-crus-galli* in cereals, 2017-2020
 potatoes and vegetables
<https://www.nibio.no/prosjekter/ecrusli-bekjemping-av-honsehirse-i-korn-potet-og-gronnsaker>
TW Berge is leading two WPs and three tasks and is principal scientist
- SMARTCROP** – Innovative approaches and technologies 2015-2019
 for Integrated Pest Management to increase sustainable food production
<https://www.nibio.no/en/projects/smartcrop?locationfilter=true>
TW Berge is leading one WP, two tasks and is principal scientist
- DROPTEK** – [Evaluation of robotic drop-on-demand technology 2018-2019
 for intra-row weed control in vegetables].
NIBIO is subcontractor and TW Berge is project leader and principal scientist in NIBIO
- Innovationer för hållbar växtodling** 2016-2018
 [Innovations for sustainable crop production]
<https://www.nibio.no/prosjekter/innovasjon-for-baerekraftig-plantedyrking?locationfilter=true>
NIBIO was partner and TW Berge was project leader and principal scientist in NIBIO
- VEGINN** - Innovasjon for bedre ugresskontroll i grønnsaker 2014-2018
 [Innovations for better weed control in vegetables]
<https://www.nibio.no/prosjekter/vegin-n-innovasjon-for-bedre-ugresskontroll-i-gronnsaker?locationfilter=true>
NIBIO was subcontractor and TW Berge was project leader and principal scientist in NIBIO
- WeedSeeker** - [Test of technology for automatic patch spraying 2016-2018
 of glyphosate in cereals]
<https://www.nibio.no/prosjekter/test-av-kommersiell-teknologi-for-presisjonsprøyting?locationfilter=true>
TW Berge was principal researcher and project leader

- AUTOHOE** – [Sensor-guided weed hoeing in cereals] 2014-2017
www.bioforsk.no/radrensing
T W Berge was WP leader and principal scientist
- PlantStrength** – Strengthening the basis of sound plant protection 2012-2017
 by understanding the ecology and interactions of different pest
 groups and beneficials in Norwegian cereals
T W Berge was in charge of one work package
- MULTISENS** - Multisensory precision agriculture 2011-2015
 - improving yield and reducing environmental impact
www.bioforsk.no/multisens
T W Berge was principal researcher in two work packages
- STRAPP**- Strategies for implementation of sound cereal 2013-2015
 production methods with low loss of pesticides and phosphorus
www.bioforsk.no/strapp
T W Berge was principal researcher in one work packages
- Weedcer** - Automatic weed detection for patch spraying in cereals 2007-2009
www.bioforsk.no/weedcer
T W Berge was principal researcher
- CO-SUPERVISION OF GRADUATE STUDENTS AND RESEARCH FELLOWS**
- Co-advisor for PhD student Stephanie Saussure, 2019
 Norwegian Univ. of Life Sciences, Dep. of Plant Sciences, Ås, Norway
- Co-advisor for PhD student Trygve Utstumo, 2018
 Norwegian Univ. of Science and Technology,
 Dep. of Engineering Cybernetics, Trondheim, Norway
- Co-advisor for MSc students at Norwegian University of Life Sciences, Ås, Norway:
- Dudek, David J. Weed harrowing in spring barley: timing and intensity. 2011
 - Stout, Daniel. Effects of management practices on control of docks 2010
 (*Rumex* spp.) when renewing highly infested organic grassland
- TEACHING ACTIVITIES**
- Invited lecturer giving 2-6 hours of lectures in two courses related to weed 2007-2019
 science/site-specific weed management (PLV200 and PLV340), Dept. Plant Sciences,
 Norwegian University of Life Sciences, Norway
- REFEREE IN INTERNATIONAL JOURNALS**
- Weed Research
 - Weed Science
 - Biosystems Engineering
 - Computers and Electronics in Agriculture
 - Sensors
- INTERNATIONAL RESEARCH NETWORK**
- European Weed Research Society
 - International Society of Precision Agriculture
 - Nordic Association of Agricultural Scientists

PUBLICATIONS (peer review)

- Oliver, B. W., Berge, T. W., Solhaug, K. A., & Fløistad, I. S. 2020. Hot water and cutting for control of *Impatiens glandulifera*. *Invasive Plant Science and Management*, 13(2), 84-93.
- Lavik, M. S., Hardaker, J. B., Lien, G., & Berge, T. W. 2020. A multi-attribute decision analysis of pest management strategies for Norwegian crop farmers. *Agricultural Systems*, 178, 102741.
- Ringselle B., Berge TW, Stout D, T.A. Breland, P.E. Hatcher, E. Haugland, M. Koesling, K. Mangerud, T. Lunnan & Brandsæter, LO. 2019. Effect of renewal timing, taproot cutting, ploughing practice, false seedbed and companion crops on docks (*Rumex* spp.) when renewing grassland *European Journal of Agronomy* 103: 54-62. <https://www.sciencedirect.com/science/article/pii/S1161030118303435>
- Utstumo, T., Dørum, J., Netland, J., Urdal, F., Overskeid, Ø., Brevik, A., Berge, T. W., Gravidahl, J.T. 2018. Robotic in-row weed control in vegetables. *Computers and Electronics in Agriculture* 154: 36-45 (<https://www.sciencedirect.com/science/article/pii/S016816991830276X?via%3Dihub>)
- Brandsæter, LO, Mangerud, K, Helgheim M and Berge TW. 2017. Control of perennial weeds in spring cereals through stubble cultivation and mouldboard ploughing during autumn or spring. *Crop Protection* 98: 16 -23, <http://dx.doi.org/10.1016/j.cropro.2017.03.006>
- Peteinatos, G, Korsæth, A, Berge, TW, Gerhards, R. 2016. Using optical sensors to identify water deprivation, nitrogen shortage, weed presence and fungal infection in wheat. *Agriculture* 6, 24, doi: 10.3390 (<https://www.mdpi.com/2077-0472/6/2/24>)
- Streibig, JC, Rasmussen, J., Andújar, D., Andreasen, C., Berge, TW *et al.* 2014. Sensor-based assessment of herbicide effects. *Weed Research* 54: 223-233 (<https://onlinelibrary.wiley.com/doi/full/10.1111/wre.12079>).
- Berge, TW, Goldberg, S., Kaspersen, K. & Netland, J. 2012. Towards machine vision based site-specific weed management in cereals. *Computers and Electronics in Agriculture* 81: 79-86 (<https://www.sciencedirect.com/science/article/pii/S0168169911002602?via%3Dihub>).
- Berge, TW, Aastveit, A & Fykse, H. 2008. Evaluation of an algorithm for automatic detection of broad-leaved weeds in spring cereals. *Precision Agriculture* 9: 391-405 (<https://link.springer.com/article/10.1007/s11119-008-9083-z>).
- Berge, TW, Cederkvist, HR, Fykse, H & Aastveit, AH. 2008. Simulating the effects of mapping and spraying resolution and threshold level on accuracy of patch spraying decisions and herbicide use on mapped weed data. *Acta Agriculturae Scandinavica Section B - Soil and Plant Science* 58: 216-229 (<https://www.tandfonline.com/doi/abs/10.1080/09064710701593087>).
- Berge, TW, Fykse, H & Aastveit, AH. 2007. Patch spraying of weeds in spring cereals: Simulated influences of threshold level and spraying resolution on spraying errors and potential herbicide reduction. *Acta Agriculturae Scandinavica Section B - Soil and Plant Science* 57: 212-221 (<https://www.tandfonline.com/doi/abs/10.1080/09064710600914202>).
- Dahlberg, U, Berge, TW, Petersson, H & Vencatasawmy, CP. 2004. Modelling biomass and leaf area index in a sub-arctic Scandinavian mountain area. *Scandinavian Journal of Forest Research* 19: 60-71 (<https://www.tandfonline.com/doi/full/10.1080/02827580310019266>).

OTHER PUBLICATIONS AND ORAL PRESENTATIONS (SINCE 2006)

- Berge T W. 2020. Framtidas ugraskamp [Future weeding]. Invited talk at NLR Teknikkmøtet, Thon Hotel Oslo Airport, Gardermoen, Norway, 6 February 2020.
- Berge T W, T Torp, M Vallestad & F Urdal. 2019. Precision weed harrowing in spring cereals. Oral presentation at the 2019-meeting of EWRS (European Weed Research Society) working group "Site Specific Weed Management", Southern Denmark University, Odense, Denmark, October 2019.
- Berge T W & F. Urdal. 2019. IPM Tool: Sensor-based weed harrowing in cereals. Oral presentation at the end-of project seminar of SMARTCROP, Vitenparken, Ås, Norway, 3 September 2019.
- Berge T W & H Antzée-Hyllseth. 2019. Predation of weed seeds (*Echinochloa crus-galli*) in spring cereals in SE Norway. Oral presentation and summary proceeding. 7th meeting of the EWRS (European Weed Research Society) working group "Weeds and biodiversity", Hohenheim University, Stuttgart, Germany, June 2019.

- Berge T W. 2019. Presis ugrashåndtering [Precision weeding]. Oral presentation at the 2nd NIBIO-conference, Hellerudsletta, Norway, 13 February 2019.
- Wærnhus, K., Aamlid, T. Berge, T W, Ringselle, B. & Tørresen, K T. 2019. Biologisk veiledningsprøving 2018. Ugrasmidler. NIBIO Rapport, 5 (15), 152 p. ISBN: 978-82-17-02264-0.
- Tørresen K. S., Brandsæter, L. O., Netland, J. Berge, T. W., Ringselle, B. & Strand, E. 2018. Alternativer til glyfosat i korn og grasmark. [Alternatives to glyphosate in cereals and grassland]. NIBIO Rapport, 4 (79), 72p. ISBN: 978-82-17-02128-5.
- Berge, T. W. 2018. Nya tekniker för hållbar ogräsbekämpning: Sensor-styrt ugrasharving i bygg. Oral presentation and 2 page handout at Grøna møten: Hållbar växtodling för långsiktig lönsamhet/Framtidsspaning för hållbart lantbruk i Norden, 5.-6. desember 2018, Naturbruksskolan Uddetorp, Skara, Sverige.
- Berge, T. W. 2018. Sensor-basert ugraskontroll. Oral presentation and summary. Nationell Växtskyddskonferens 14-15 november 2018, Ultuna, Uppsala, Sverige, 1 p.
<https://www.slu.se/contentassets/8243e6d7a9464b079543fc7e7018e9d2/vaxtskydd2018-program-bok.pdf>
- Tørresen, KS, Berge, TW, Bjugstad, N & Netland, J. 2018. How to manage increasing problems with *Echinochloa crus-galli* in northern Europe. Poster and Abstract at 18th European Weed Research Society Symposium, Ljubljana, Slovenia, 17-21 June 2018
- Berge, TW. & Wærnhus, K. 2018. Automatisk flekksprøyting av glyfosat i gulmoden bygg og stubb om høsten [Automatic patch spraying of glyphosate in barley and stubble]. Poster at the 1st NIBIO-conference, Hellerudsletta, Norway, February 2018
- Stenrød, M., Berge, TW *et al.* 2017. Integrated pest management and farmer awareness – a Norwegian case study. Abstract and Poster presented at the 7th International Conference on Pesticide Behaviour in Soils, Water and Air. Ron Cooke Hub, York, North Yorkshire, UK, 30 August - 1 September 2017.
- Berge, TW, 2017. Oral presentation entitled “The DAT sensor – precision weed control in cereals” at Agri-Robotics seminar arranged by Norwegian University of Life Sciences, Ås, Norway, 4 August 2017.
- Berge, TW. 2017 Oral presentation entitled “Presisjonsbekjempelse av ugras – teknologiske muligheter” [Precision control of weeds – technological possibilities] at open day arranged by Center for Precision Agriculture at NIBIO, Apelsvoll, Kapp, Norway, 15 June 2017
- Berge, TW. 2017 Oral presentation (via Skype) at seminar entitled “Smarta lösningar med ny sensorteknik och bildanalys - seminarium med fokus på växtskydd” [Smart solutions through new sensor technologies and machine vision – seminar with focus on crop protection] arranged by Partnerskap Alnarp, Swedish University of Agriculture, Alnarp, Sweden, 18 May 2017.
- Berge, TW. 2017. Oral presentation entitled “Presisjonssprøyting av ugras i korn – utstyr og miljøgevinst” [Precision control of weeds in cereals – equipment and environmental benefits] at meeting for farmers entitled “Ny teknologi i landbruket” [New technologies in the agriculture] arranged by PURA, Follo landbrukskontor og Ås Landbrukslag, Ås, Norway, 9 May 2017.
- Kaurstad, O.K., Urdal, F. & Berge, TW. 2017. Oral presentation entitled “Presisjonssprøyting” [Precision Spraying] at meeting KORN 2017 [CEREALS 2017] arranged by NIBIO and The Norwegian Extension Service, Quality Hotell Olavsgaard, Skjetten, Norway, 13-14 February 2017.
- Berge, TW, Utstumo, T, Urdal, F & Tørresen, KS. 2016. Tools and technologies for reduced herbicide use in cereals. Oral presentation at the 2nd joint NJF - Agromek- EurAgEng joint seminar, 28-29 November 2016, Herning, Denmark.
- Tørresen, KS & Berge, TW. 2016. The potential of two tools for integrated weed management to reduce herbicide use against annual weeds in cereals. Oral presentation at 7th International Weed Science Congress, Prague, Czech Republic, 19-25 June 2016.
- Utstumo, T, Berge, TW & Gravidahl, T. 2015. Non-linear model predictive control for navigation in row crops. IEEE International Conference on Industrial Technology, Seville, Spain 17-19 March 2015.
- Berge, TW. 2015. Evaluering av DAT ugrassensor 2013-2014. Sluttrapport [Evaluation of DAT weed sensor 2013-2014. Final report]. Bioforsk Rapport, 10 (4).
- Berge, TW, Utstumo, T & Netland, J. 2015. Kartlegging av flerårig ugras i kornåker med automatisk bildeanalyse – basis for presisjonssprøyting [Automatic image analysis to map perennial weeds for precision spraying in cereals]. Bioforsk FOKUS 10 (2) (ISBN 978-82-17-01389-1): 30.

- Utstumo, T, Dørum, J, Arbo, M, Berge, TW, Goldberg, S, Overskeid, Ø & Gravidahl, T. 2015. Asterix – Automatisk ugraskontroll i radkulturer [Asterix- automatic weed control in row-crops]. Bioforsk FOKUS 10 (2) (ISBN 978-82-17-01389-1): 129.
- Stenrød, M, Tørresen, K, Berge, TW, Ficke, A, Eklo, OM, Øgaard, AKF, Flaten, O, Refsgaard, K, Kvakkestad, V. 2015. IPM-strategies for cereal production - a Norwegian case-study, Bioforsk FOKUS 10 (2) (ISBN 978-82-17-01389-1): 120.
- Gustafsson, K, K. Hauge Madsen & T W Berge. 2014. Sustainable agriculture through precision farming. NJF Report (ISSN 1653-2015) 10 (10): 27-31.
- Gustafsson, K, Hauge Madsen, K. & Berge, TW. 2014 Hållbart jordbruk genom precisionsodling [Sustainable farming through precision agriculture]. Brosjyre.
- Gustafsson, K, Hauge Madsen, K. & Berge, TW. 2014. Hållbart jordbruk genom precisionsodling. Förstudie Öresund-Kattegat-Skagerrak-området [Sustainable farming through precision agriculture. Pre-study Öresund-Kattegat-Skagerrak region]. Rapport, 23 sider.
- Karlsen, R, Guren G & Berge TW. 2014. Temadag i Danmark: Mekanisk bekjempelse av ugras i frilandsgrønnsaker [Report from Denmark: Mechanical weeding in field vegetables]. Gartneryrket nr. 6/2014: 10-12.
- Berge, TW. 2014. Presisjonsjordbruk i Norge: Presisjonsprøyting av ugras [Precision farming in Norway: Precision spraying of weeds]. Presentasjon på Borgeby Fältdagar, Sverige, 25 - 26. juni 2014.
- Streibig, JC, J Rasmussen, D Andújar, C Andreassen, TW Berge *et al.* 2013. Sensors for herbicide efficacy assessment, Poster at 16th European Weed Research Society Symposium 2013, Samsun, Turkey, 24-26 June 2013.
- Christensen, S, D Andújar, C Andreassen, TW Berge *et al.* 2013. Use of sensors for assessment in herbicide trials In: Proceedings of 16th European Weed Research Society Symposium 2013, 24-26 June 2013, Samsun, Turkey, p. 315.
- Berge, TW. 2013. Redusert forbruk av ugrasmidler gjennom presisjonsjordbruk [Reduced usage of herbicides with precision agriculture]. Bioforsk FOKUS 8 (2): 110.
- Berge, TW, Utstumo, T. & J. Netland. 2012. Field robots for research and developments in site-specific weed management. In: Peruzzi, A. (Ed.). Proceedings of the first International Conference on Robotics and associated High-technologies and Equipment for Agriculture. September 19-21 2012, Pisa, Italy, p. 31-34.
- Berge, TW. & Ficke, A. 2012. Developing precision crop protection in wheat. Bioforsk FOKUS 7(2): 228.
- Berge, TW. & Ficke, A. 2012. Presisjonsjordbruk: Soppsykdommer og flerårig ugras i korn [Precision farming: Fungal diseases and perennial weeds in cereals]. Poster, Bioforsk-konferansen 2012.
- Brandsæter, L.O. & Berge, TW. 2012. Effects of tractor weight, wheel placement and depth and timing of ploughing on perennial weeds in organically farmed cereals. Abstract, The 6th International Weed Science, 17-22 June 2012, Hangzhou, China, p. 90.
- Berge, TW. 2011. Site-specific weed management (SSWM) - the concept, R&D and herbicide reductions. Nordic Association of Agricultural Scientists (NJF), Report 7 (9): 95-99.
- Tørresen, KS, Bechmann, M, Brandsæter, L, Hermansen, A, Lundon, A, Mangerud, K, TW Berge *et al.* 2011. Redusert bruk og risiko av pesticider i dyrkingssystem med korn og potet [Reduced use and risk of pesticides in cropping system with cereals and potato]. Abstract - Miljø 2015-konferansen, Norges forskingsråd, Oslo, Norway, 15-16. februar 2011.1 p.
- Berge, TW, A Ficke, J Netland, I Kligen & T Rafoss. 2011. Plantevern for et endra klima – Forskingen må starte nå. [Plant protection in a changed climate – Start research now]. Bioforsk FOKUS 6: 132.
- Brandsæter, LO., Tørresen, KS., Berge, TW, Lundon, AR. & Mangerud, K. 2011. Jordarbeiding og redusert bruk av glyfosat [Soil tillage and reduced glyphosate use]. Bioforsk FOKUS 6: 99.
- Berge, TW., S. Goldberg, S. Løvås, J. Netland & Ø. Overskeid. 2010. Developing Sweedy – a robot for weed control in swedes (*Brassica napus ssp. rapifera*). 3rd Precision Crop Protection Conference, Bonn, Germany, September 2010. Poster and abstract (1 p.).
- Kaspersen, K., TW Berge, S. Goldberg, J. Netland, Ø. Overskeid & T. Stølan. 2010. Estimation of weed pressure in cereals using digital image analysis. 3rd Precision Crop Protection Conference, Bonn, Germany, September 2010. Poster and abstract (1 p.).

- Berge, TW., S. Goldberg, K. Kaspersen, J. Netland, Ø. Overskeid & T. Stølan. 2010. Testing image-based site-specific weed control in cereals. 15th European Weed Research Society Symposium, Kaposvár, Hungary, July 2010. Poster and abstract (p. 317).
- Berge, TW. & Brandsæter, LO. 2010. Mekanisk ugrasbekjempelse i grønnsaker – viktigere enn noen gang [Mechanical weed control in vegetables – more important than ever]. Oral presentation, "Grønt på Mære", 17. mars 2010.
- Berge, TW., S. Goldberg, K. Kaspersen, J. Netland, Ø. Overskeid, & T. Stølan. 2010. Presisjonsjordbruk: flekksprøyting av frøugras i korn. [Precision farming: patch spraying of annual weeds in cereals]. Bioforsk FOKUS 5: 238-239.
- Berge, TW. 2009. Resultater fra forsøk med presisjonssprøyting i korn [Results from precision spraying trials in cereals]. Oral presentation, Markdag på Øsaker 23. juni 2009.
- Berge, TW., J. Netland, M. Helgheim, K. Wærnhus, A. Berge, S. Clausen, K. Kaspersen, S. Goldberg, Ø. Overskeid, & T. Stølan. 2009. Sprøyting etter behov med kamerastyrt åkersprøyte [Camera-guided herbicide application]. Bioforsk FOKUS 4: 56-57.
- Meadow, R., Brandsæter, LO., Birkenes, S., Hermansen, A., Ascard, J., Bysveen, K., Andersen, A., Berge, TW., Blystad, D-R., Hammeraas, B., Holgado, R., Munthe, T., Skuterud, R. & Sletten, A. 2008. Plantevern og plantehelse i økologisk landbruk. Bind 2: Grønnsaker og potet. [Plant protection and plant health in organic farming. Issue 2: Vegetables and potatoes]. Bioforsk FOKUS 3 (10), 158 pp.
- Berge, TW, Aastveit, A & Fykse, H. 2008. Spatial weed patterns and relative time of emergence profoundly affect weed performance and crop yield. 5th International Weed Science Congress, Vancouver, Canada, June 2008. Oral presentation and abstract (p. 285 on CD).
- Berge, TW. 2008. SPATIAL PATCHINESS OF BROADLEAVED WEEDS IN CEREALS AND SIMULATED PATCH SPRAYING. PhD thesis, Norwegian University of Life Sciences, Dep. Plant and Environmental Sciences. ISBN 978-82-575-0808-1.
- Berge, TW, Fykse, H. & Aastveit, AH. 2007. Automated weed detection using digital images as a decision tool for site-specific weed control in cereals. Oral presentation and abstract (1 p.), 2nd Workshop on Precision Crop Protection, Bonn, Germany, October, 2007.
- Berge, TW, Cederkvist, HR, Aastveit, AH & Fykse, H. 2007. Spatial resolution for site-specific weed control in cereals. 14th European Weed Research Society Symposium, Hamar, Norway, June 2007. Oral presentation and abstract (p. 119).
- Berge, TW & Netland, J. 2006. Implementation of real-time precision spraying against annual weeds in cereals - status in Norway. Oral presentation and proceedings, Precision Technology in Crop Production – Implementation and benefits, Nordic Association of Agricultural Scientists seminar No. 390, Lillehammer, Norway, November 2006. NJF Report 2 (8): 68-69.
- Berge, TW & Fykse, H. 2005. Preliminary results from simulations of site-specific weed management in Norwegian cereal fields for decision of patch sprayer design. 1st Workshop on Precision Crop Protection, Uppsala, Sweden, June 2005. Oral presentation and abstract (1 p.).
- Berge, TW & Fykse, H. 2005. Simulations of site-specific weed management in spring cereal to define detection and spraying resolution of a patch sprayer. 5th European Conference on Precision Agriculture, Uppsala, Sweden, June 2005. Poster and abstract (pp. 42-43).
- Berge, TW & Fykse, H. 2005. Presisjonsprøyting mot frøugras i vårkorn - bestemmelse av presisjonsnivå [Precision spraying of seed-propagated weeds in spring cereals – determination of precision level]. Oral presentation and proceedings, Plantemøtet Østlandet, Sarpsborg, Norway, February 2005. Grønn kunnskap 9(2):24-29. ISBN 82-479-0517-5.