

# BIOGRAPHY

29 June 2012



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**Title and name**

Dr. Trond Rafoss

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**Nationality**

Norwegian

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**Panel**

Plant Health

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**Education**

University degree - Cand. agric. (MSc) - Nature Conservation and Management - 1997 - Norwegian University of Life Sciences (former Agricultural University of Norway)

University degree - Dr. scient. (PhD) - Applied Statistics - 2002 - Norwegian University of Life Sciences (former Agricultural University of Norway)

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**Scientific and risk assessment experience**

Ecology; Applied statistics; Mathematical modelling; Agrometeorology; Population dynamics & epidemiology; Plant health risk assessment; Bioclimatic assessment; Pest risk mapping;

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**Main scientific publications**

Peer reviewed publications in the field of plant health and risk assessment methodology

Rafoss, T, Sælid, K., Sletten, A., Gyland, L.F. and Engravslia, L. 2010. Open geospatial technology standards and their potential in plant pest risk management – GPS enabled mobile phones utilizing Open geospatial technology standards Web Feature Service Transactions support the fighting of fire blight disease in Norway. *Computers and Electronics in Agriculture* 74(2):336-340.

Bergseng, E., Økland, B., Gobakken, T., Magnusson, C., Rafoss, T. & Solberg, B. 2011. Combining ecological and economic modelling to analyse costs of a pest invasion contingency plan – the case of Pine Wood Nematode in Norway. *Scandinavian Journal of Forest Research* 26: 1-13.

Tørresen, K.S., Fykse, H.; T Rafoss, T. 2010. Autumn growth of *Elymus repens*, *Cirsium arvense* and *Sonchus arvensis* at high latitudes in an outdoor pot experiment. *Weed Research*. 50, 353–363

Sansford, C. E.; Baker, R. H. A.; Brennan, J. P.; Ewert, F.; Gioli, B.; Inman, A.; Kinsella, A.; Magnus, H. A.; Miglietta, F.; Murray, G. M.; Porta-Puglia, A.; Porter, J. R.; Rafoss, T.; Riccioni L.; Thorne, F. 2008. The new Pest Risk Analysis for *Tilletia indica*, the cause of Karnal bunt of wheat, continues to support the quarantine status of the pathogen in Europe. *Plant Pathology* 57(4):603-611

Selås, V.; Hogstad, O.; Kobro, S.; Rafoss, T. 2004. Can sunspot activity and ultraviolet-B radiation explain cyclic outbreaks of forest moth pest species? *Proc. R. Soc. Lond. B* 271:1897–1901

Rafoss, T. 2003. Spatial Stochastic Simulation Offers Potential as a Quantitative Method for Pest Risk Analysis. *Risk Analysis*, 23(4):651-661

Rafoss, T. & Sæthre, M.-G. 2003. Spatial and temporal distribution of bioclimatic potential for the Codling moth and the Colorado potato beetle in Norway: model predictions versus climate and field data from the 1990s. *Agricultural and Forest Entomology*, 5(1):75-85

Kobro, S.; Søreide, L.; Djønne, E.; Rafoss, T.; Jaastad, G.; Witzgall, P. 2003. Masting of rowan *Sorbus aucuparia* L. and consequences for the apple fruit moth *Argyresthia conjugella* Zeller. *Population Ecology* 45(1):25-30

Andersen, A.; Sjørnsen, H.; Rafoss, T. 2004. Biodiversity of Agromyzidae (Diptera) in Biologically and Conventionally Grown Spring Barley and Grass Field. *Biological Agriculture and Horticulture*, 22:143-155

Kobro, S & Rafoss, T. 2006. Identification of adult males and females of Hoplothrips species (Thysanoptera: Tubulifera) known from Norway, and some deductions on their life history. *Entomologica Fennica*, 2006, vol. 17, no. 2, pp. 184-192