

Topic/Title (Norwegian) Tørråte og Alternaria i potet

Topic/Title (English) Potato late blight (*Phytophthora infestans*) and Early blight (*Alternaria* spp) in potato

Picture



Summary (Describe the topic/thesis, type of thesis work: field work, laboratory work, literature study)

Potato late blight is the most important disease in potato and the population of the pathogen *Phytophthora infestans* is changing very rapidly. Early blight caused by *Alternaria* spp. is a disease that seems to be more important than earlier. These two diseases cause constraints for the potato growers and often several fungicide treatments are carried out each season.

An updated knowledge about the prevalence of fungal and oomycete diseases on haulm (leaves and stems) of potato in different districts in Norway is needed. A survey, including collection of diseased plant material, studies of disease symptoms in the field and laboratory (microscopy) should be carried out. Isolation and characterization of isolates of different pathogens will be carried out in the laboratory. (The district that will be sampled could be decided by the student).

Subject area (keywords): Plant pathology, potato, diseases on the potato haulm

Language thesis (Norwegian and/or English)

English (or Norwegian if preferred by the student)

Bachelor or Master thesis BIOVIT 2023/24



Bachelor or Master thesis

Master

Credits

30 or 60 points

Project period 2024 - 2026

Project/company

NIBIO

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