

Topic/Title: Biologi, naturlige fiender og bekjempelse av den invaderende arten hestekastanjemøll, *Cameraria ohridella*

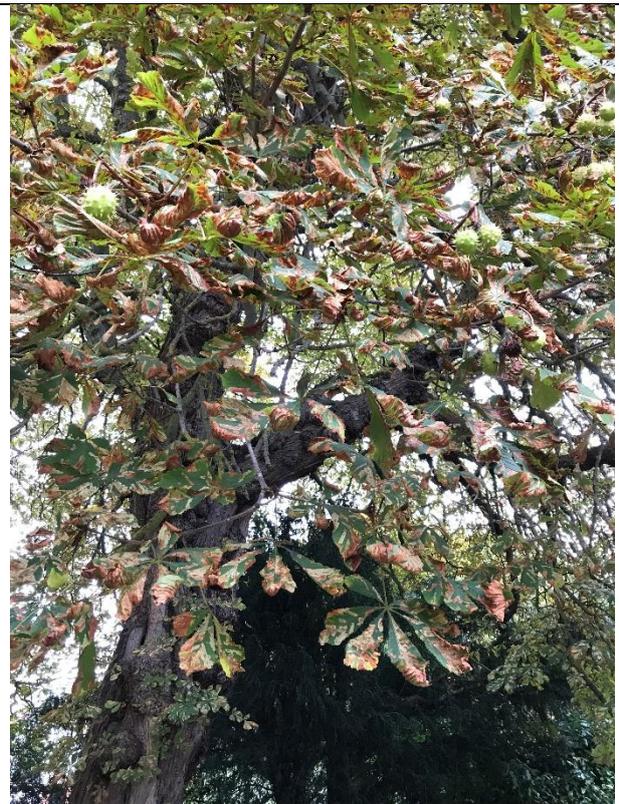
Topic/Title: Biology, natural enemies and management of the alien invasive horse-chestnut leafminer, *Cameraria ohridella*

Picture



Above: Adult horse-chestnut leafminer
(Photo: Erling Fløistad)

Right: Leafmines made by larvae of horse-chestnut leafminer (Photo: Nina Svae Johansen)



Summary

Background: The horse-chestnut leafminer (*Cameraria ohridella*) was first described in Macedonia in 1984. Since then, the species has spread rapidly across Europe. The larvae, mining in the leaves, have caused considerable damage on horse-chestnut trees since the 1980's. The horse-chestnut leaf miner was found for the first time in Drøbak in Norway in 2013 and has so far been found at several locations around Oslofjorden, including in the park at NMBU, and the distribution seems now to expand in South Norway. There is little knowledge on the biology and ecology of this pest in Norway, and how this pest can be managed.

Thesis: Different approaches are relevant, and a specific approach must be made based on the student's field of interests. Examples of topics are:



Bachelor or Master thesis BIOVIT 2021/22

- Life cycle and phenology of the horse-chestnut leafminer. Field work May-September.
- Survey of natural enemies of the horse-chestnut leafminer. Field work May-October.
- Investigate winter survival of the horse-chestnut leafminer. Field work April-October.
- Management of horse-chestnut leafminer on trees in urban areas. Description of current management practice in Norway and literature study.

Subject area: Urban entomology, ecology, plant protection, pests on ornamental trees.

Language thesis: Norwegian and/or English

Master thesis

Credits: 30 or 60

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