

Topic/Title (Norwegian) Artsmangfold av pollinatorer og nyttedyr tilknyttet norske blomstrende arter

Topic/Title (English) Biodiversity of pollinators and natural enemies on flowering Norwegian species

Picture from NIBIO Landvik plots (foto Trygve S Aamlid)



Summary

At NIBIO Landvik, and the Grimstad area more than 80 Norwegian wild plant species are being propagated. They are used for the regional seed mixes that NIBIO produces. When species have been collected from different origins, they are propagated separately to avoid cross-pollination. Flowering period is April to September.

Surprisingly little is known about the value of even common flowering wild plant species for pollinators and natural enemies. The Landvik plots of single species offer a unique opportunity to observe which species of pollinators and natural enemies of insect pests visit flowers of different plant species and to assess the diversity of visiting species, but flower strips are grown several places in the country and can also be used to get new knowledge for designing future flower mixes.

Examples of these topics:

- Diversity of flower visiting arthropod species of 4-8 common wild flowering plant species
- Floral visitation rate by selected natural enemies of insect pest across common flowering plants
- Dietary value of nectar and pollen of selected flower for natural enemy and a key pest

Subject area: entomology, ecology, plant protection, pollination, biodiversity

Language thesis: Norwegian and/or English

Master thesis



Bachelor or Master thesis BIOVIT 2023/24

Credits: 30 or 60

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