

Hvordan oppfører rottemidler seg i miljøet under norske forhold? (Norwegian)

Rodenticides and their fate and behaviour in the environment under Norwegian conditions (English)



Summary

Anticoagulant rodenticides are used to control rodents worldwide. These chemicals have been shown to spread in the environment and also accumulate in the food chains, e.g. a study of wild eagle owls in 2018 showed anticoagulant rodenticides in 72 of 100 examined birds in Norway. Little is known about how these chemicals are transported and degraded in the environment under Norwegian conditions. This is going to be investigated in a big project starting in 2024. The project will include lab work, data analyses and literature reviews, in addition to the possibility to do modelling with environmental exposure models to e.g. look at the effect climate changes may have on these processes. Lab work will include degradation studies, sorption studies and column leaching studies. Depending on when a student is involved, field work with soil sampling may be a task as well. The type of work will depend on where we are in the project plan at the time a student is involved and to some extent the interests of the student.

Subject area (keywords)

Rodenticides in the environment, transport and degradation in soil.

Language thesis

Norwegian or English



Bachelor or Master thesis BIOVIT 2023/24

Bachelor or Master thesis

Both is possible.

Credits

30/60

Project period

2024-2026

Project/company

NIBIO

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