

Readme

This dataset is related to the manuscript “Strong interactive effects of warming and insect herbivory on soil carbon and nitrogen dynamics at Subarctic tree line” by Nele Meyer, Tarja Silfver, Kristiina Karhu, Kristiina Myller, Outi-Maaria Sietiö, Eero Myrsky, Elina Oksanen, Matti Rousi, and Juha Mikola,

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The dataset contains 4 files.

In each file, treatments are abbreviated with C (=control, no treatment), W (= warming), I (= insecticide, i.e. herbivory reduction), and WI (warming + herbivory reduction)

Covariate data

Contains data for plant and soil variables that were considered as covariates in statistical models. Variables were measured at the start of the experiment.

Soil data

Contains data for various soil properties and vascular plant root biomass measured in the organic layer, 0-5 cm of mineral soil, and >5 cm mineral soil.

Soil respiration

Contains data for in-situ soil respiration measurements measured four times during the growing season 2017 and four times during the growing season 2018.

Root to shoot

Vascular plant shoots and vascular root : shoot allocation measured at the end of the experiment.