

**English title:** Agronomic performance of variety mixtures and selected populations of wheat in sustainable agriculture

**Norsk tittel:** Agronomisk verdi av sortsblandinger og selekterte populasjoner av hvete i bærekraftig landbruk



Foto: Silja Valand



Foto: Silja Valand

Cultivating variety mixtures or populations of wheat can have benefits such as less disease pressure and better yield stability and resilience. During the work with this project you will obtain experience in field experimentation and knowledge about organic wheat production.

A field experiment with various variety mixtures and selected populations of wheat, intended for use in organic agriculture, will be established at four farms in 2022 and 2023. You will take part in the management of this experiment in one of these years and record various attributes of the different experimental plots such as yield, quality, earliness, maturity, and weed and disease occurrence. You will perform statistical analyses, including analysis of genotype x environment interactions, and interpret the data in light of what is already known in the literature.

The work will consist of field work, data analysis, literature study and writing.

**Subject area:** Plant science, biology, agronomy, crop ecology, sustainable agriculture

**Language thesis:** Norwegian or English

**Bachelor or Master thesis:** Both possible

**Credits:** 60, 30 or 15

**Project:** Diversilience - [DIVERSILIENCE - Diversifying organic crop production to increase resilience | NMBU](#). Collaboration with Norwegian Agricultural Service (Norsk Landbruksrådgiving, NLR)

**Please contact:** Åshild Ergon, [ashild.ergon@nmbu.no](mailto:ashild.ergon@nmbu.no)