

Tema (Norsk): Post harvest-analyse av vevsdistribusjon og lignininnhold i forskjellige kålrotsorter

Topic (English): Post harvest-analysis of tissue distribution and lignin content in different rutabaga cultivars



Photo: Even Bratberg

Summary

This thesis work will be connected to the ongoing project: “Incentiver til Virkemidler for Omstilling av Matsystemet / Incentives for Measures for Food system Transition.”

A key question in this project is:

Which geophysical opportunities exist for plant production in Norway using different production methods?

Thesis theme: Post-harvest analysis of tissue distribution and lignin content in different Rutabaga cultivars. Woodiness/toughness in rutabaga roots is a well-known quality issue and is seldom discovered before the consumer brings the product home. Identifying differences in tissue distribution and lignin content in different cultivars both after harvest and after storage under different temperature regimes may increase insight into this problem. The outcome may help increasing post-harvest crop quality and value while reducing food waste. This thesis will consist of data collection, analysis and literature studies and may also include some laboratory tasks.

This thesis theme is part of a project objective of investigating increased vegetable production - outdoor: Production of selected (root-, tuber- and protein-) crops will be tested to identify if increased growing season, agronomic knowledge, climate, and soil can support their production (In co-operation with NLR).



Bachelor or Master thesis BIOVIT 2022/23

Subject area: future plant production, production systems, growth analysis, climate, storage, quality

Language thesis: Norwegian and/or English

Bachelor or Master thesis

Credits: 30 or 60 credits

Project: VOM ([CICERO](#))

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