

Bachelor or Master thesis BIOVIT 2021/22

## Topic/Title

Fôropptak, mjølkeytelse og mjølkesammensetning hos melkeku tildelt surfôr fra ulike slåtteregimer og ulik botanisk sammensetning.

## **Topic/Title**

Feed intake, milk yield and composition of dairy cows fed silages of different cutting systems and and botanical composition.

### Summary

In the KlimaGrovfôr project, it will be investigated which silage characteristics that have the greatest effect on reduction of enteric methane in dairy cows. In winter 2022, an experiment will be carried out at SHF, where the effect of different cutting system and forage species on methane production will be measured using the GreenFeed system. The master's thesis will be part of this experiment but will focus on how these factors affect the milk production of the cows.

### Type of work

barn work (experiment January to April 2022), literature study

### Subject area

Ruminant nutrition, forage, milk production

#### Language thesis

Norwegian or English (by choice)

#### **Bachelor or Master thesis**

Master thesis

Credits

30

## Project/company

KlimaGrovfôr- Strategies in grass silage production to mitigate enteric CH4 emissions from ruminants

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Bachelor or Master thesis BIOVIT 2021/22

## Topic/Title

Fôropptak og mjølkeproduksjon estimert i TINE OptiFôr- effekt av slåttefrekvens, engtype, fortørking og gjæringskvalitet.

# Topic/Title

Feed intake and milk production estimated by TINE OptiFôr- effect of cutting frequency, species mixture, wilting and fermentation pattern.

# Summary

The aim with the experiment is to test the effects of cutting frequency, species mixture, wilting and fermentation pattern on feed intake and milk production. The experiment is done as a field experiment (small scale study) and we have already done the analyses of chemical composition of the silages. The thesis will consist of using TINE OptiFôr to simulate feed intake of the different silage qualities, estimate milk production and optimize the feed rations according to planned production levels.

# Type of work

data analysis, literature study

Subject area

Forage, ruminant nutrition

Language thesis

Norwegian or English (by choice)

**Bachelor or Master thesis** 

It can be both

## Project/company

KlimaGrovfôr/NIBIO/TINE

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