

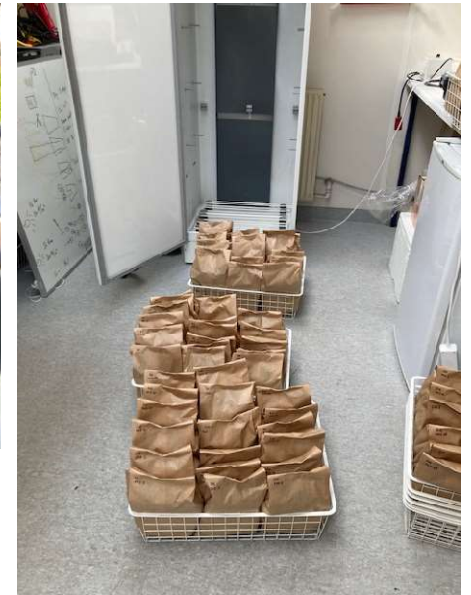
KLIMAPROTEIN

OBJECTIVES AND PLAN

- Reduce agricultural carbon footprint: high and stable production of protein in Denmark → crops high in protein quality, low in environmental footprint, suitable to a climate with periods of drought
- Characterize 100 red clover lines:
- 20 lines sampled at DLF
 - 80 lines in Greenhouse at AU
- Protein content analysis
- Polyphenol oxidase (PPO) activity

KLIMAPROTEIN

FIELD TRIP TO DLF IN MAY



20 red clover lines sampled & dried
Soil sample taken for inoculation in Greenhouse

KLIMAPROTEIN TRIALS AND SETUP IN GREENHOUSE



Nodulation test

→ Test if inoculation
with soil sampled at
DLF works



150 pots/table

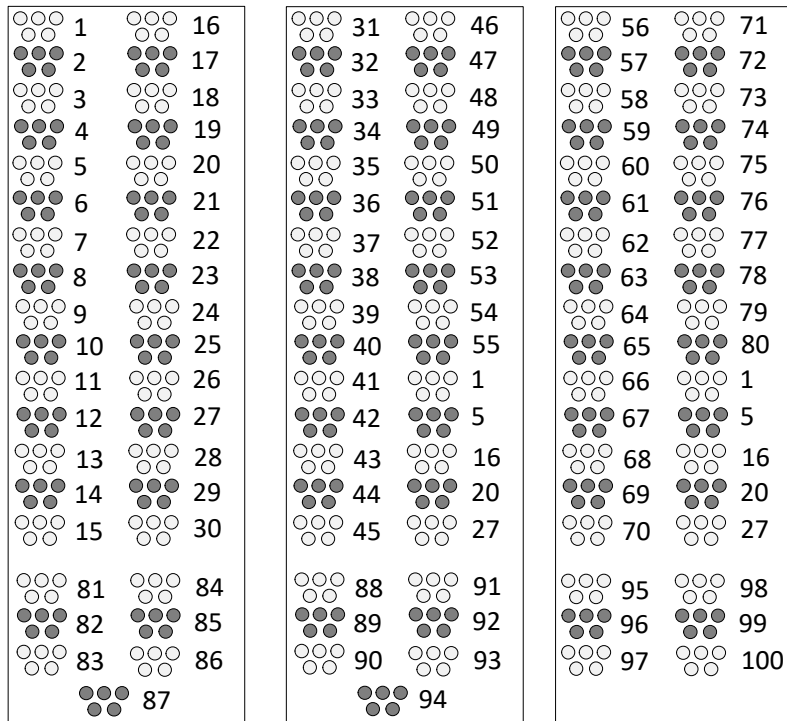


3 days old



10 days old

KLIMAPROTEIN SETUP IN GREENHOUSE



- Lines grown with 10 days delay between tables
- 5 lines (16.67 %) overlap between batches

KLIMAPROTEIN SETUP IN GREENHOUSE

3 weeks



5 weeks



10 weeks





KLIMAPROTEIN STATUS IN THE GREENHOUSE

- First batch sown out 18. August, harvested 27. October
- Last samples harvested 13. November
- Drying finished last Friday

KLIMAPROTEIN STATUS AND PLAN

2023:

→ Characterize 100 red clover lines:

- 20 lines sampled at DLF 
- 80 lines grown in Greenhouse 

→ Protein content analysis  (expected to be finished by 31/12/2023)

→ Polyphenol oxidase (PPO) activity  (expected to be finished by 19/12/2023)

2024:

→ Finish data analysis in January (expected finalization: 15/01/2024)