

Breeding organic grain



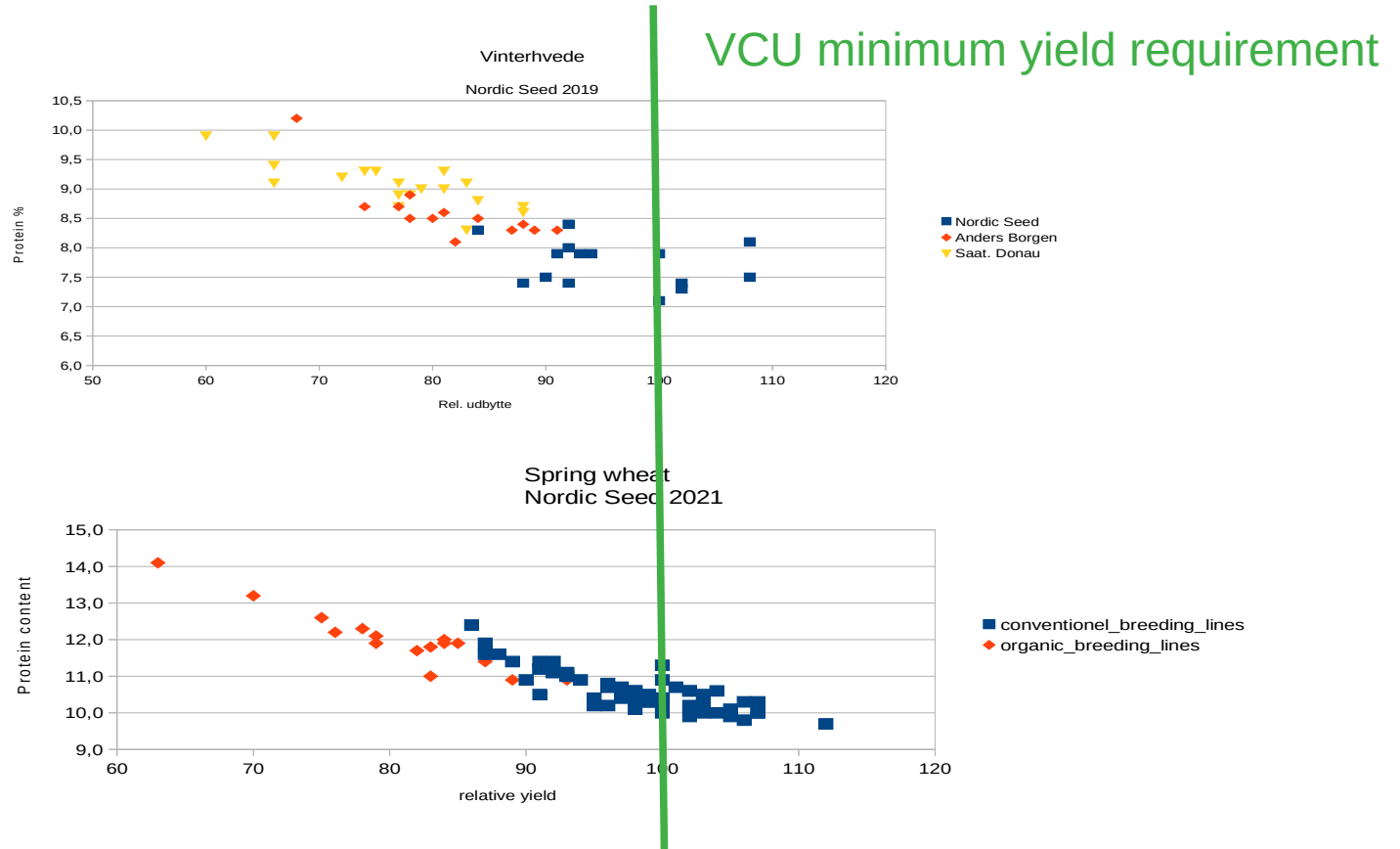
Future Heirloom
Hotel- og Restaurantskolen
20th October 2024

Anders Borgen

Project funding by
BOOST (Organic RDD-6)

Protein content in organic wheat

ØKOSORT-II
project



Ukrudtskonkurrence i økologisk korn



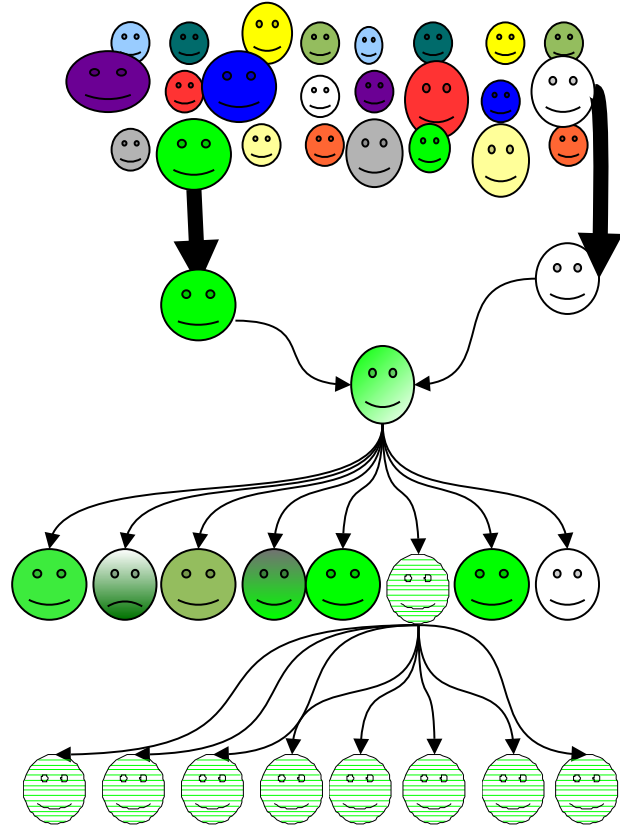
My nursery
yesterday



2022

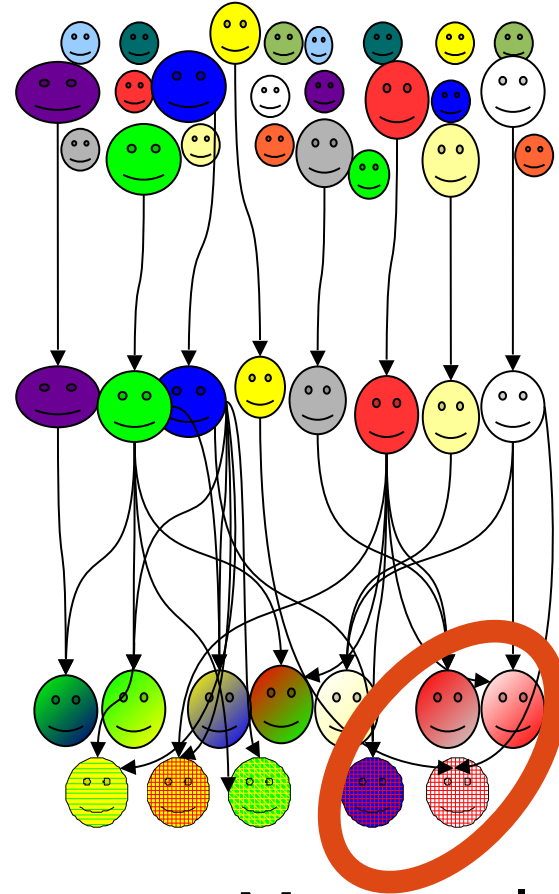


Pure line breeding



Multiplying single plants

Population breeding



Mass selection



Examples of Landsortens varieties

- **Mariagertoba:** Spring wheat from 2020. a mixture of 25 breeding lines with good baking quality
- **Popkorn:** Winter wheat mixture from 2017. Mixture of 50 breeding lines with good baking quality
- **Pop Gurli:** Winter wheat from 2020. Mixture of 25 breeding lines with high yield potential
- **Viola:** Purple Wheat
- **Himmelblå:** Blue Wheat
- **Pop Flour Power:** Winter wheat with altered protein content
- **Borris:** Rye
- **Dansk Spelt**

Landsorten

- Not a seed company!
- An organisation coordinating home saved seed

Varieties from Landsorten

- Conservation varieties
- (Organic bred varieties)
- Organic heterogeneous material
 - multi line mixtures
 - CCPs

Main tasks for Landsorten

- Legal issues
- Production planning
- Quality control
- Selecting varieties (ORIGINAL / Frøsamlerne)
- Innovation of new varieties (Agrologica)



Tank you for your attention