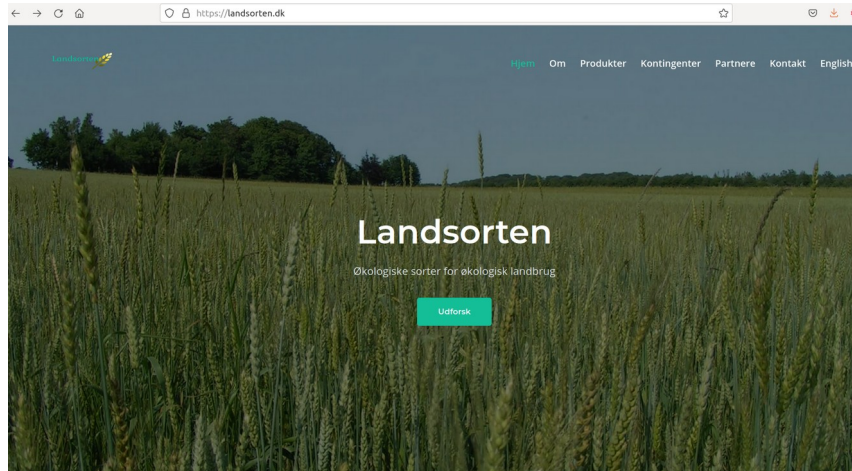


Landsorten and the BOOST project

(Boosting local production of high quality organic grain)



Webinar “Ongoing Nordic projects - heritage cereals”
5th April, 2022
Anders Borgen

Funded by GUDP/ICROFS
Fonden for Økologisk Landbrug
Holkegård-fonden

Landsorten

- Membership organisation established 2021
- Promoting heritage and organic bred varieties
- 125 members
 - incl. ~70 producers
 - 90% from Denmark

Taken advantage of the opportunities in the new organic regulation

- Registration of heterogeneous material is cheap
 - cheap in fees
 - cheap in production (purifying)

Landsorten will release the diversity

The set up

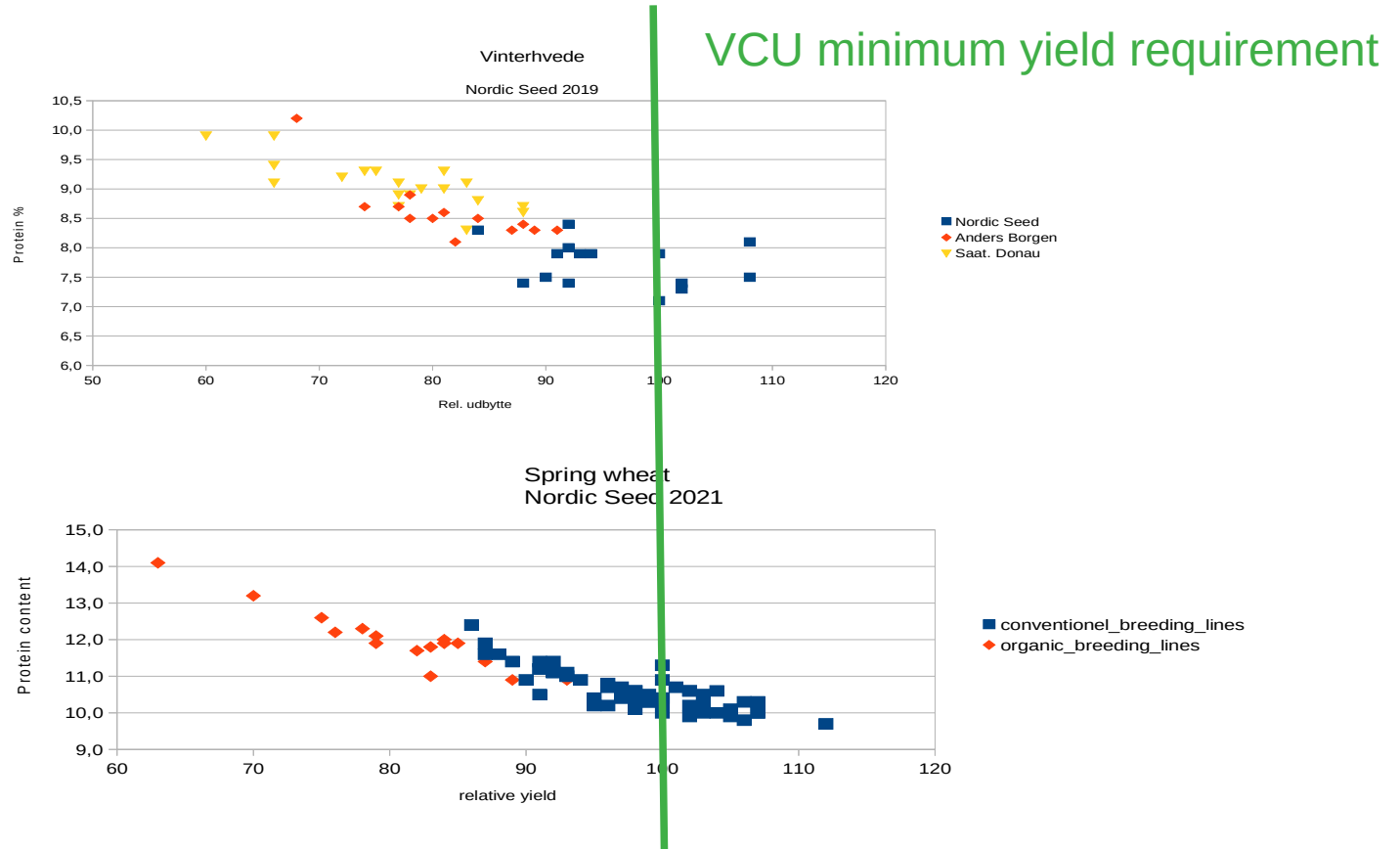
- Bread wheat, malt grain and feed
 - Certified Organic Heterogeneous Material
- Niches and experimental material
 - durum wheat, spelt, white wheat.....

Priority traits

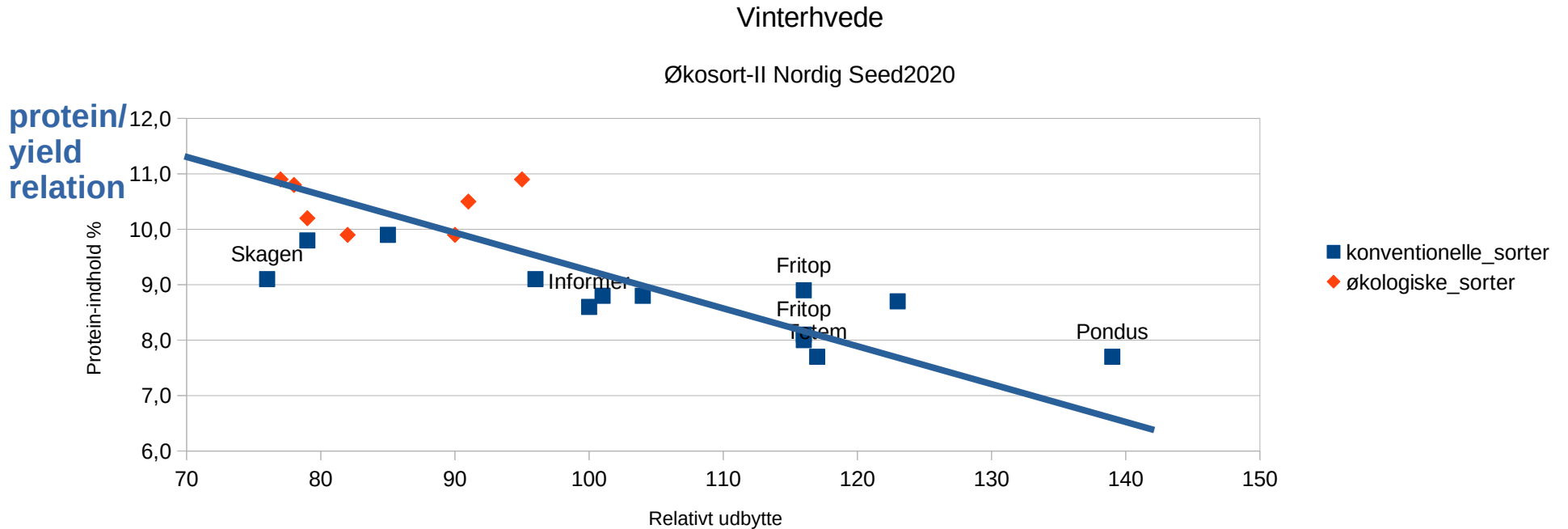
- Protein content in bread wheat
- Weed competition (barley and wheat)
- Diseases (rust, mildew, common bunt...)
- Special traits (purple wheat / taste / seed hardness / gluten allergy /)
-

Protein content in organic wheat

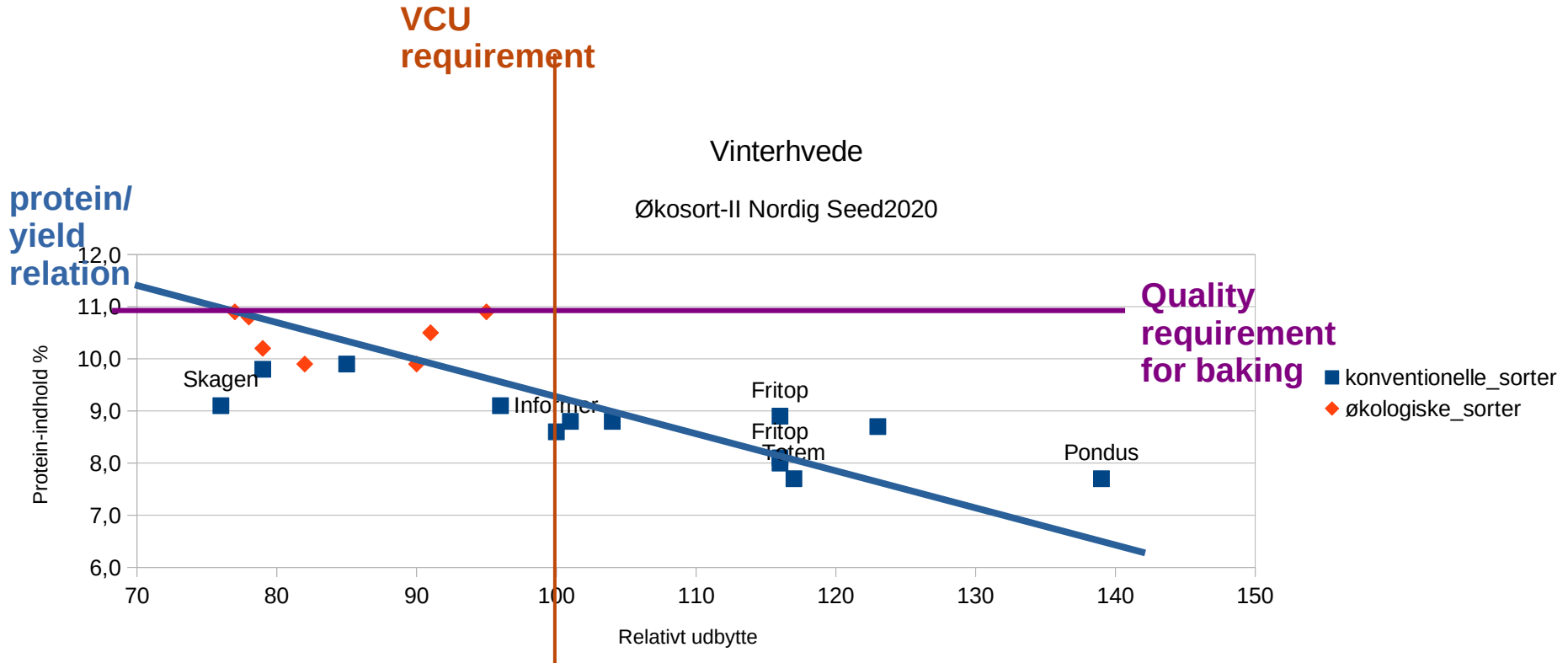
ØKOSORT-II
project



Protein content in organic wheat



Protein-indhold i økologisk hvede



Weed competition in organic cereals




Weed competition in organic cereals



Weed competition in organic cereals



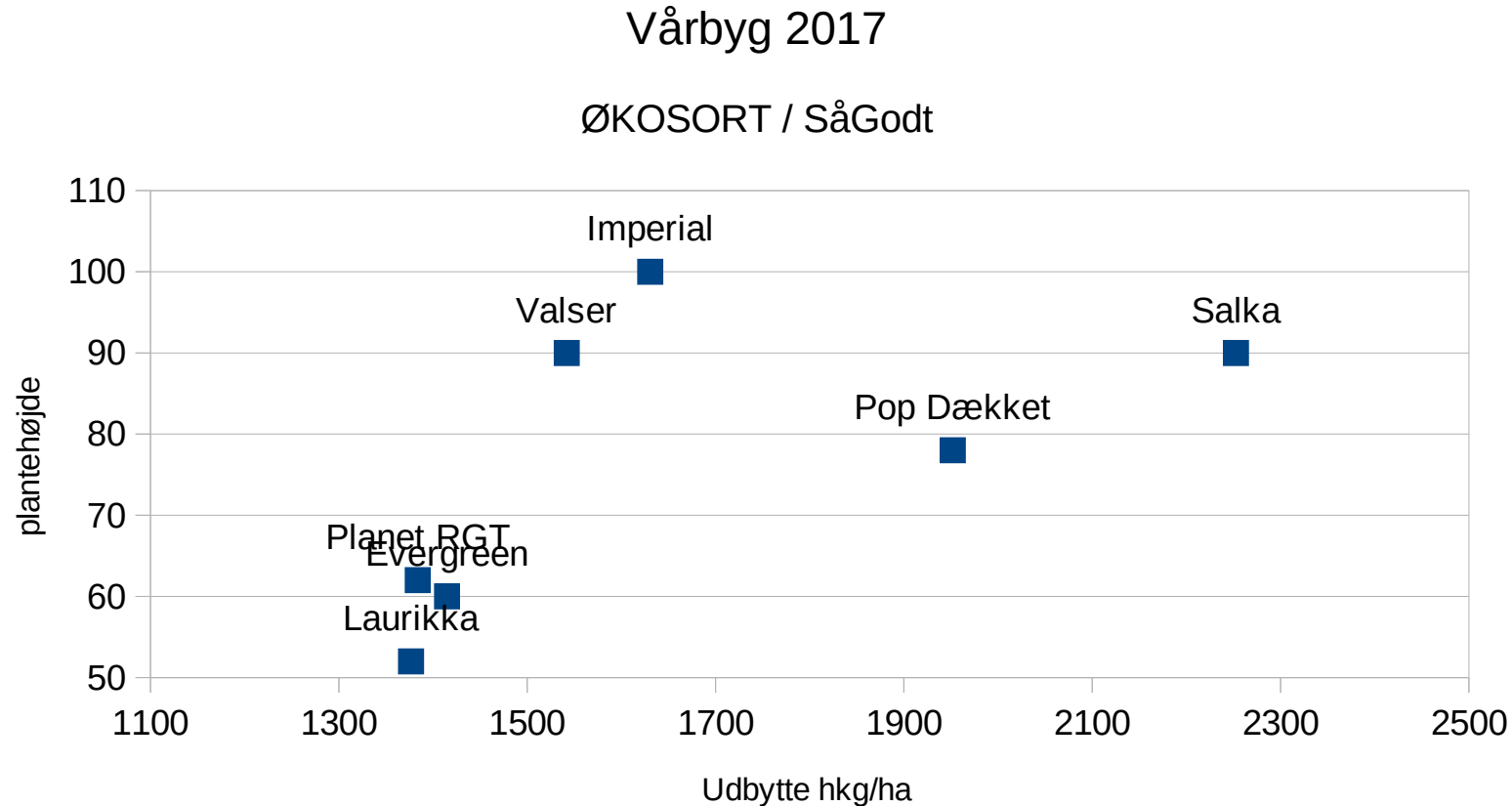


Klosner Disentis

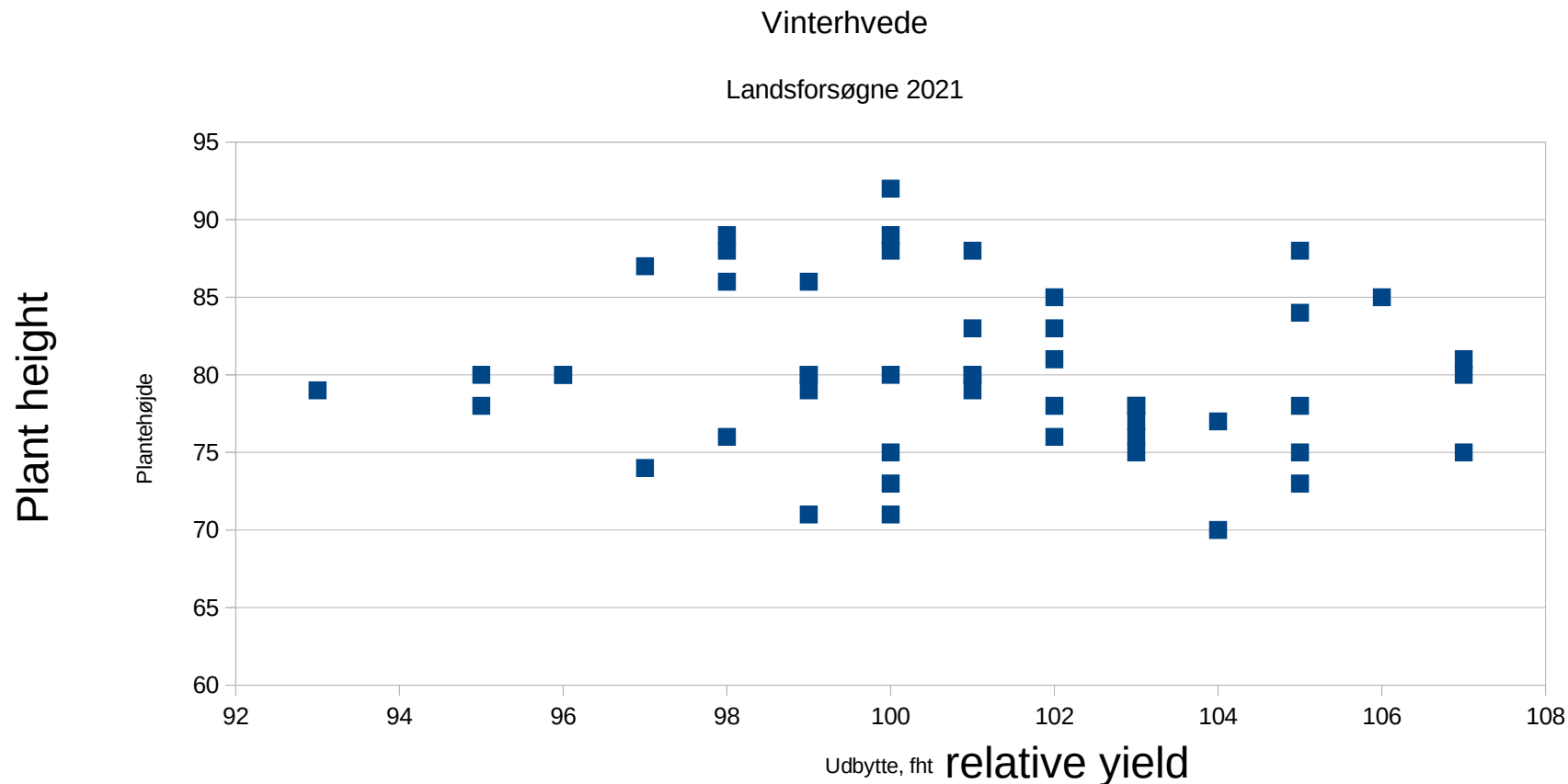
Evergreen og Leurika

Obersaxen

Weed competition in organic barley

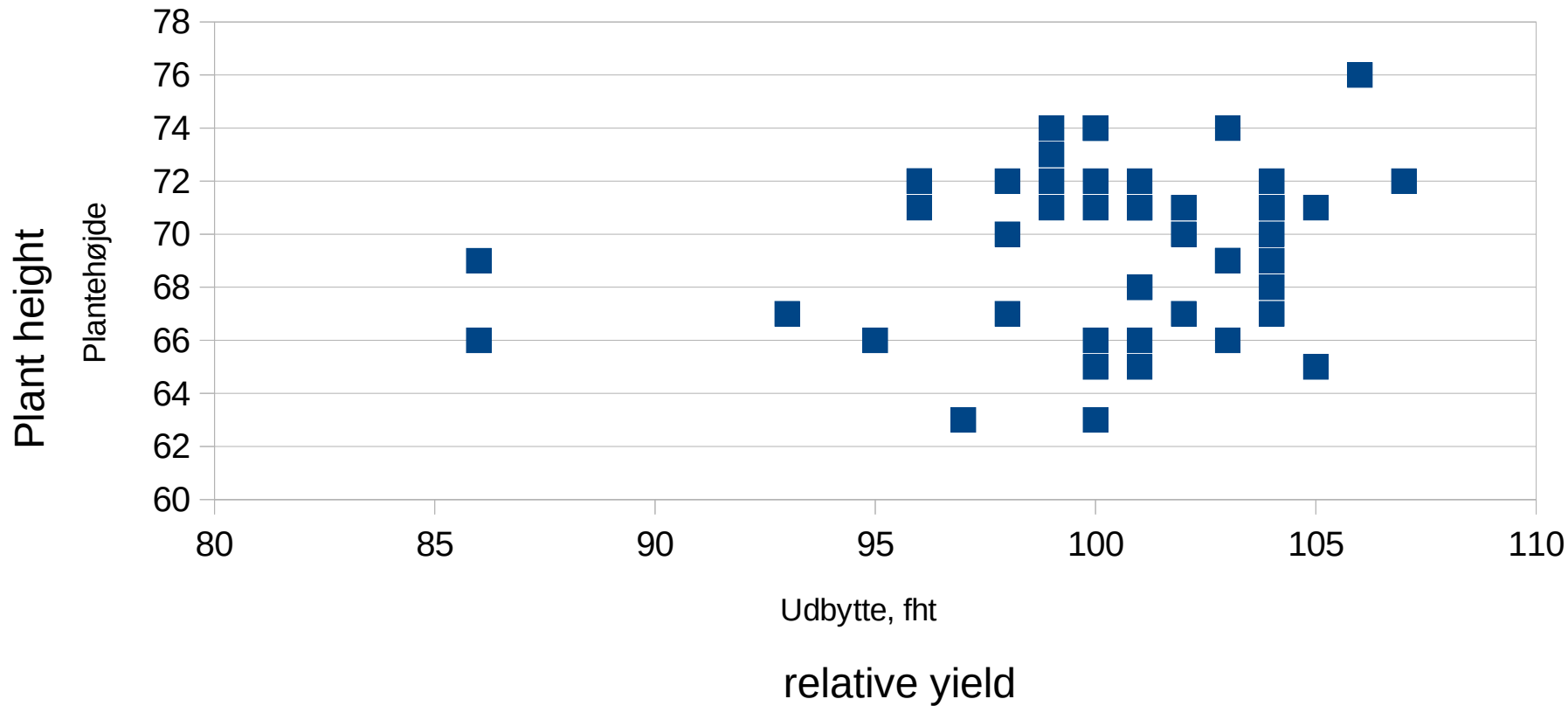


Weed competition in organic cereals



Spring barley
Vårbyg

Værdiafprøvning 2021



Ukrudtskonkurrence i vårbyg



Varieties from Landsorten

- Conservation varieties
- (Organic bred varieties)
- Organic heterogeneous material

Afgrøder under udvikling

- Havre
 - med højt fedt-indhold
 - vinterhavre (nøgen +dækket)
- Vårrug
 - med forbedret stråstyrke
- Byg
 - Nøgenbyg og alm. byg
 - vår og vintertyper
 - med forskellige farver
 - resistens imod havrecyste-nematoder (vårbyg)
- Hvid lupin
 - Vår- og vinterlupin
 - fedtindhold, antraknose og spisekvalitet
- Linser
 - vækstform
- Hirse
 - Kolbehirse og alm. hirse
 - Tidlig modning
- Vår- og vinterhvede
 - Stinkbrandresistens
 - ukrudtskonkurrence
 - bageegenskaber, kernefarve og melfarve
 - resistens imod havrecyste-nematoder (vårhvede)
 - kostfiber, ATI og gluten-intolerance
- Andre kornarter
 - Tritordeum, spelt, kuglehvede, kæmpehvede, durum, emmer.....



Eksempler på **Landsortens** økologiske blandinger

- **Mariagertoba:** Vårhvede fra 2020. Blanding af 25 linier med bagekvalitet
- **Popkorn:** Vinterhvede fra 2017. Blanding af 50 linier med bagekvalitet
- **Pop Pjerrot:** Hvid vinterhvede fra 2020. Blanding af 15 linier med bagekvalitet
- **Pop Giraf:** Høj Vinterhvede fra 2020. Blanding af 15 linier +95cm
- **Pop Foder:** Vinterhvede fra 2020 med højt udbyttepotentiale
- **Pop Nul Ål:** Vårhvede med nematode-resistens. Forventet fra 2023

Organic Heterogeneous Material

- for the future



The BOOST project

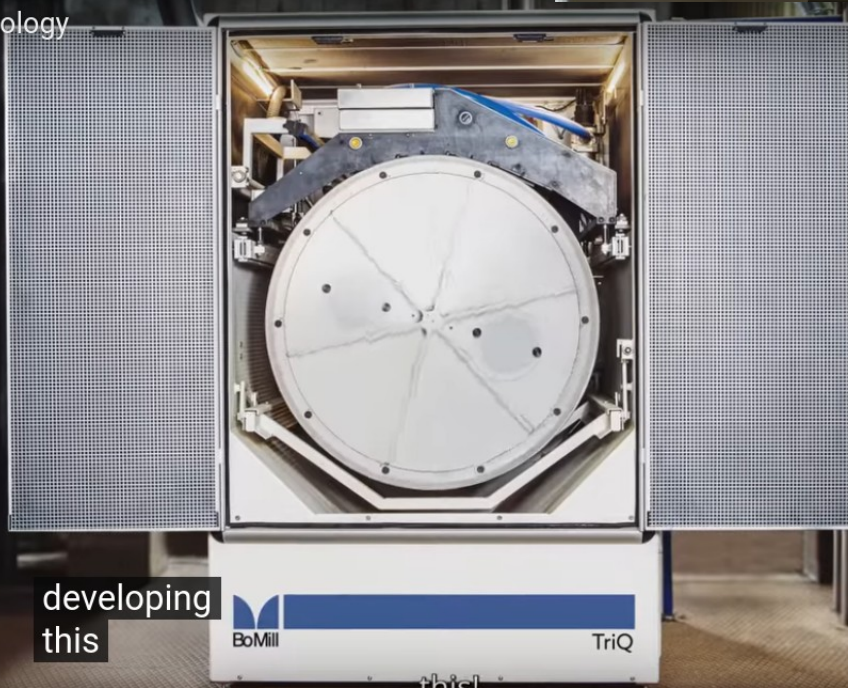
- Landsorten
 - development of the seed system
- Agrológica
 - breeding varieties and seed research
- Gammel Buurholt Hovedgård
 - Quality seed sorting
- Copenhagen University
 - Seed analysis
- KOST
 - Market development

Gammel Buurholt Hovedgård

- Mobile seed cleaning
 - including certification
- Mobile stone milling
- Mobile quality sorting based on BoMill technology



BoMill Technology



developing
this

BoMill

TriQ



VIDEOER

Meld jer ind i Landsorten og få adgang til diversiten!

