



Sveriges lantbruksuniversitet
Swedish University of Agricultural Sciences

SLU Grogrund – center for plant breeding of food crops

**Eva Johansson – Program head
Department of Plant Breeding**



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Wishes from the government

Long-term capacity building (students)

Novel varieties (North of Sweden)

Increased food security for Sweden

Show increases in education/innovation

Quick results – we contribute

Increased growth – more jobs



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Workshops
Horticulture
Potatoes
Cereals
Oil crops
Protein crops
Methods
Forage



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Decided projects

Växtförädling i hortikulturell frilandsodling - behovsinventering



Förslag på hortikulturella frilandsodlade grödor (frukt, bär och grönsaker).

Affärsmodeller för förädlingsprogram av hortikulturell frilandsodling.

Ett godkänt masterarbete där uppsatsens frågeställningen är identifierad inom ramen för projektet samt ett genomfört case/undervisningsmoment på kursen Product development and innovation systems in horticulture.

Decided projects



Framtidens äpple

- Huvudmannaskap för hållbar sortutveckling
- Härdiga must- och cideräpplesorter
- Accelererad sortutveckling



Svenska Musterier, Kiviks Musteri,
Herrljunga Cider, Brännland Cider,
Äppelriket, Ekofrukt



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Decided projects



Yin Yang förädling



Spannmålssorter med mervärden i form halter av kostfibrer och stärkelse (korn).



SLU Ultuna – Alnarp
Lantmännen, LRF

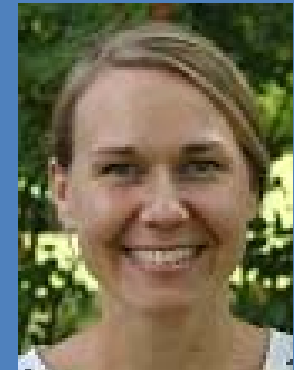
Resistance breeding is important Commercial?

**What should be done by companies and what by
Grogrund?**

Novel methods



Wheat, rape seed, faba bean, forage



Feed and food





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Climate changes

Robustness

Novel crops – North of Sweden?

Variety testing

Timothy



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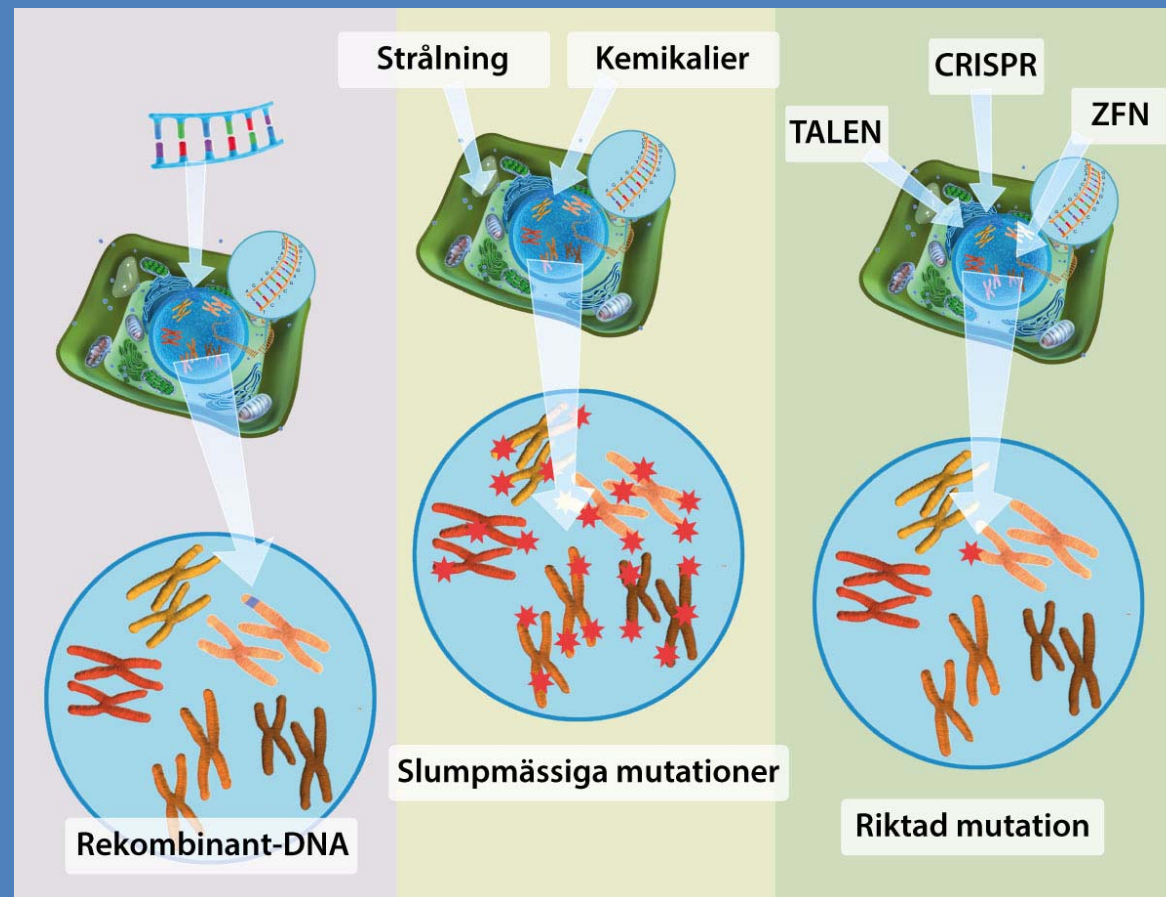
Forage

Timothy

Red clover



Novel methods





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Students – The Future

10 PhD students in the research education subject: Plant Breeding Plant Breeding within the program Grogrund

GROGRUND - SLU's Center for Plant Breeding of Food Crops

Is seeking 5-10 doctoral students to be part of Grogrunds research school with a focus on research questions within plant breeding.

Grogrund will gather academia and industry to develop competences to ensure, in accordance with the objectives of the food strategy, the availability of varieties for sustainable and competitive agricultural and horticultural production throughout Sweden.

Knowledge and new methods will be developed to contribute towards the strengthening of plant breeding for food crops in order to increase the innovation potential, food security and competitiveness of Sweden.

Considerations in relation to the climate change and the access to biomass for a circular and bio-based economy should also be taken.



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Collaboration





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Added value

1+1=3

A blackboard with the equation $1+1=3$ written in white chalk. The numbers and symbols are slightly blurred, suggesting a hand-drawn or chalked appearance. The blackboard is centered within a blue border.

