

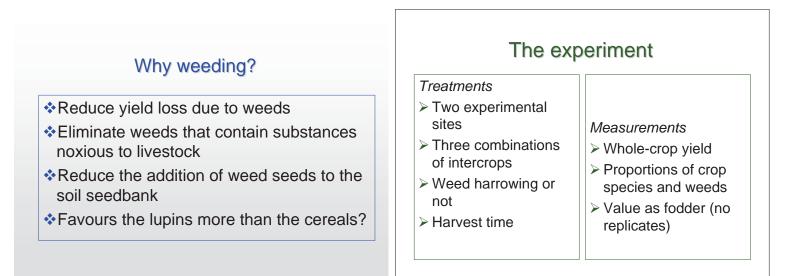
# Why intercropping?

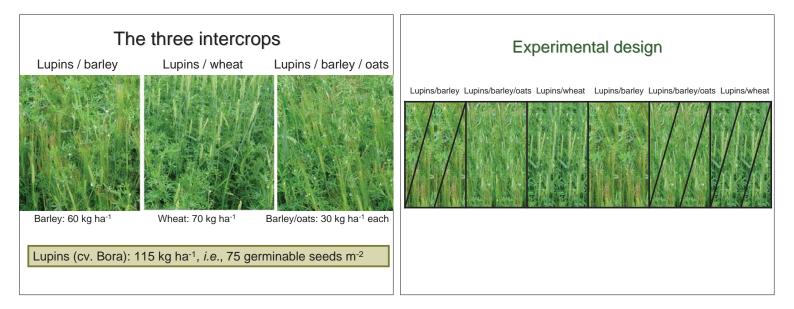
### Intercropping narrow-leafed lupins with cereals for whole crop harvest

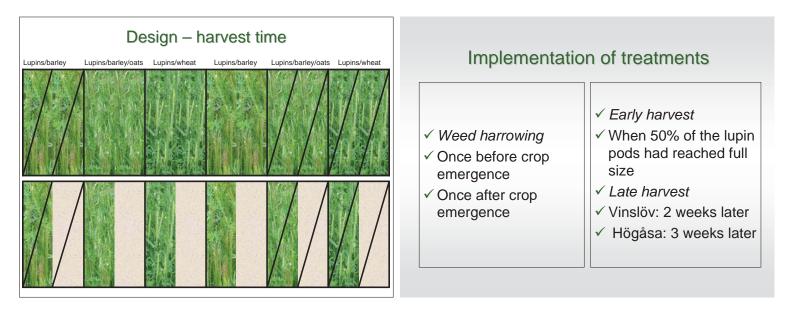
Ullalena Boström Department of Crop Production Ecology, SLU

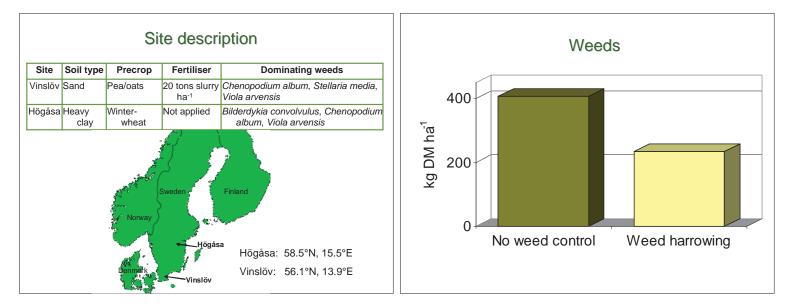
#### Increased yields per unit area through better use of natural resources

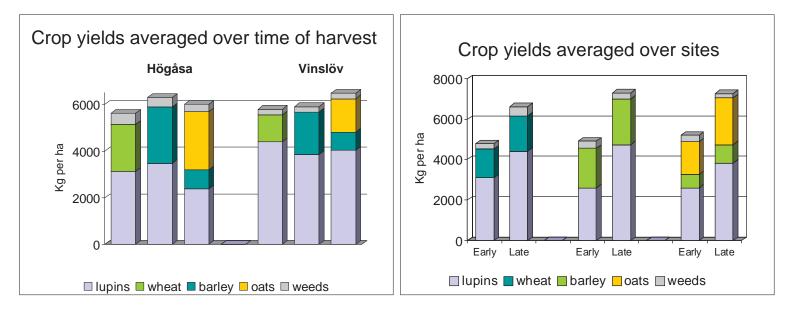
- Improved yield stability
- Increased competitive ability against weeds
- Reduced attacks of diseases and insects
- Better foddervalue compared to cereals only
- Whole crop harvest: undersowing of a ley is possible, longer time for post harvest cultivations, establishment of green manure











### Conclusions - 2 experiments

- Weed harrowing reduced weed biomass but not biomass or proportions of crop components.
- ✓ Delayed harvest increased biomass of lupins by 1100 -2000 kg DM ha<sup>-1</sup>.
- ✓ At late harvest, the total yields were 600-900 kg ha<sup>-1</sup> higher in mixtures with barley or oats than in mixtures with wheat.
- ✓ The proportion of lupins in the crop yield increased in the order:

barley/oats < barley < wheat

## Thank you for your attention!

The project was financed by SLU EkoForsk – a programme within organic agriculture http://EkoForsk.slu.se/en