

Innovative features

- Modern housing
- Pair- & group-housing calves
- Precision feed management system (online)



Buildings & Equipment

- 2 x 150m long buildings
- Deep bedded sand cubicles
- Group calving pens
- Group housing of calves on straw
- Milking parlour (2 x 24)
- Manure robot (12x p/d)

Labour force

- 15 full time employees
- 5 part-time students

Areas of interest

- Social welfare
- Animal nutrition
- Environmental welfare

The herd

910 cows in total
805 cows in milk
570 dairy heifers

All-year-round calving
Age at first calving: 22 mo
Fulltime indoor housing

Breeds: 40% Holstein
60% Holstein x Belgian Blue & Angus

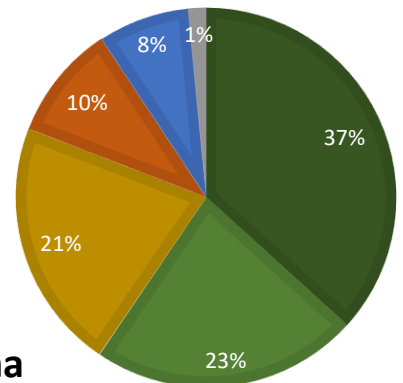
Milk production: 12,831 kg ECM per cow per year



Agricultural area

245 ha grassland
152 ha maize (corn)
143 ha silage maize
66 ha sugar beet
52 ha barley
10 ha grass (hay)

Total: 668 ha





Strengths

- 4x larger herd than average in Denmark
- Very high milk yield per cow
- All arable land located close by
- Modern equipment in barn
- High labour force



Weaknesses

- Milking parlour requires more labour
- x
- x



Opportunities

- Connect with others to install biogas plant
- x
- x



Threats

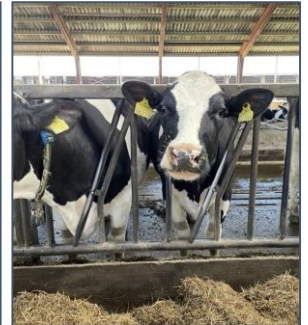
- More strict environmental regulations
- Periods of drought because of high altitude

Innovative practice

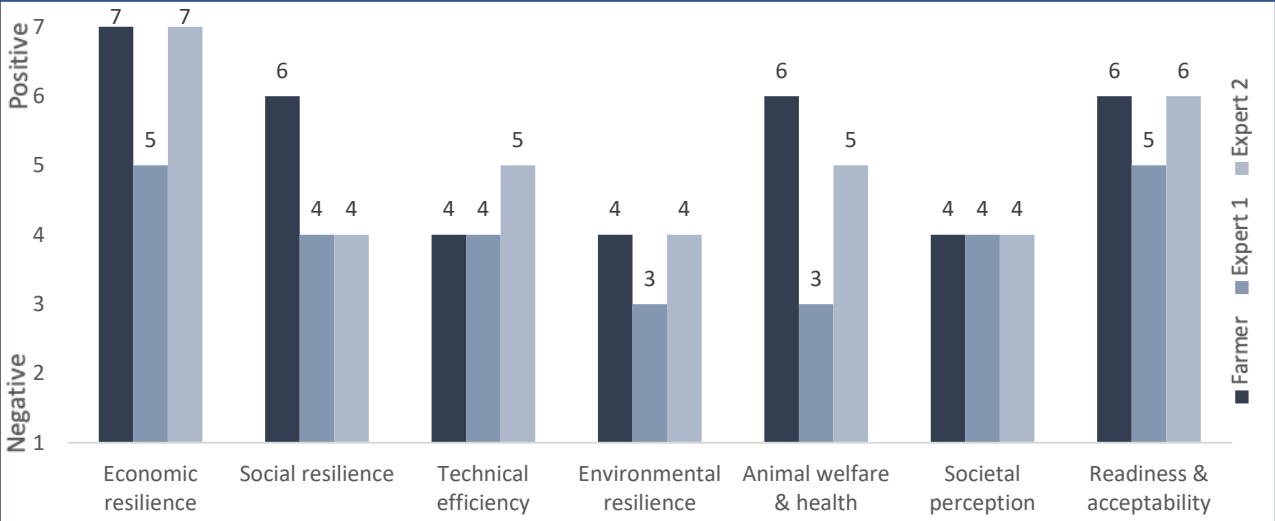
Replace 4 milking robots with a 24:24 milking parlour as a strategy for improving economic resilience.

Potential future solutions

- Energy production (biogas, wind or solar)
- Feed additive to reduce methane
- Self-sufficiency in feed production



Effects of innovative practice on resilience



“Resilience 4 Dairy” is a European project involving 15 European countries and 18 partners. R4D is a thematic network on innovations and aims to support EU dairy farming in these regions where dairy farming is a main economic activity.



R4D pilot farmers are involved in a National Dairy Akis group where needs, solutions and knowledge are exchanged with other farmers, advisors and scientists on their way to build a resilient system. More information:

<https://resilience4dairy.eu/>