



Resilience for Dairy (R4D) has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No 101000770

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## Innovations

Economy and labour/ technical efficiency



1993

Starting the farm of 20 ha

2016

Farm expanded to 100 ha

Farming milestones

2023

Generational change



2003

Walter Ehrström's gold medal for milk quality

2022

Farm expanded to 170 ha

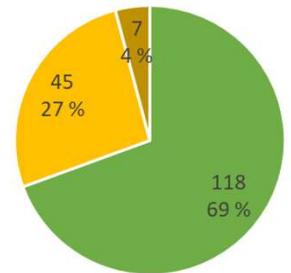
### The herd

- 38 Livestock Units (LU)
- 29 dairy cows  
Breeds : Holstein (81%), Nordic Red (12%), Crossbreeds (7%).
- 17 dairy heifers
- Calving period : all year around
- Age at first calving : 26.1 months

### Agricultural Area

170 ha AA

- 118 ha grassland
- 45 ha barley grains
- 7 ha other



### Workforce

- 2 labour units (Full Time Equivalent)
- **Aims** : Efficient cultivation, improving average milk yield

### Areas of interest

- self-sufficient energy production
- Cultivation of special crops (pea and faba bean)

### Main buildings and equipment

- 1x4 herringbone milking station
- Unlimited outdoor access during summer and winter



### Production / Technical results

- 305 500 liters of milk produced
- 4.29 % fat & 3.43 % protein content
- Stocking rate: 0.22 LU / ha forage area
- 10 357 l of milk /cow / year & 1 796 l / ha forage area
- Breeding criteria
- Feeding results
- Economics
- Feed only first cut silage



### Strengths

- Enough field area for expansion
- good machinery
- good location of the fields
- Replaced by a new generation



### Weaknesses

- Sometimes too little labour force
- Old barn -> have to build a new one.



### Opportunities

- Good starting points for the development of the farm



### Threats

- Weather
- World situation, energy and fertilizer crisis

## Farmer's strategy for a "resilient" system

- Amount of arable land for the current number of animals, even in bad years there will be enough grass to harvest
- Good machinery
- Remote manure tanks enable to storage the manure for the actual need for the next growing season, and optimization of fertilization
- Self-sufficient grain production, purchased feed costs can be kept in a minimum

### Aspirations / Needs for the future

Generation change and building a new barn

## Improvement project - objectives

- Intensification of cultivation
- Precision farming
- Increasing energy self-sufficiency

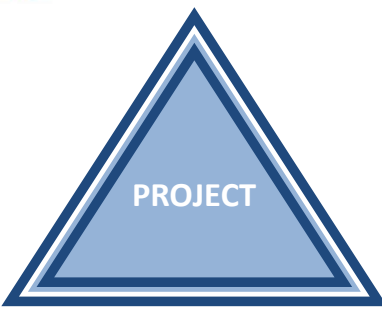


ECONOMY & LABOUR

- Optimization of feeding
- Possibility of walking in the outdoor yard all year round
- Decrease of milk fever in cows



RESSOURCE Efficiency



ENVIRONMENT ANIMAL Wellbeing



"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/>