

Innovations

Environment /
Resource efficiency



1991 Start innovation farm on N/P targets
1996 Low emission floor
1997 Additional 2 hectares of nature area
2001 Digester generated energy

Farming milestones

2012 Emission low floor, catch crops, own production, fodder beets, crop rotation grass/maize/3 yrs

2012 Solar panels installed

2018 Herb rich grassland

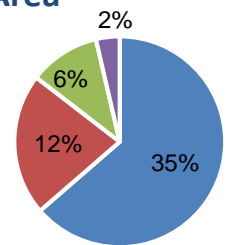
The herd

- 96 Livestock Units (LU)
- 80 dairy cows (42 young stock, 20 calves)
Breeds : HF + Montbeliarde and Swiss Red
 - now rebreeding to HF
- 20 dairy heifers
- Calving period : all year round
- Age at first calving : 24 months

Agricultural Area

Total 55 ha AA

- 35 ha grassland
- 12 ha corn production
- 6 ha for corn cob silage
- 2 ha grain



Workforces

- 1 labour units (Full Time Equivalent)
- 80 dairy cows & 800000 l / FTE

Areas of interest

- Climate
- Nature
- Sustainable circularity

Main buildings and equipments

- 1 free stall barn, office buildings
- Robot milking system– Two-box GEA MiOne
- Manure separation digester, solar panels
- Manure and feed storage units



Production / Technical results

- 842831 liters of milk produced
- 4.47 % fat & 3.61 % protein content
- Stocking rate: 1.74 LU / ha forage area
- 10291 l of milk /cow /year & 15333 l /ha forage area
- Intercalving interval: 381 days
- Insemination rate: 1.8



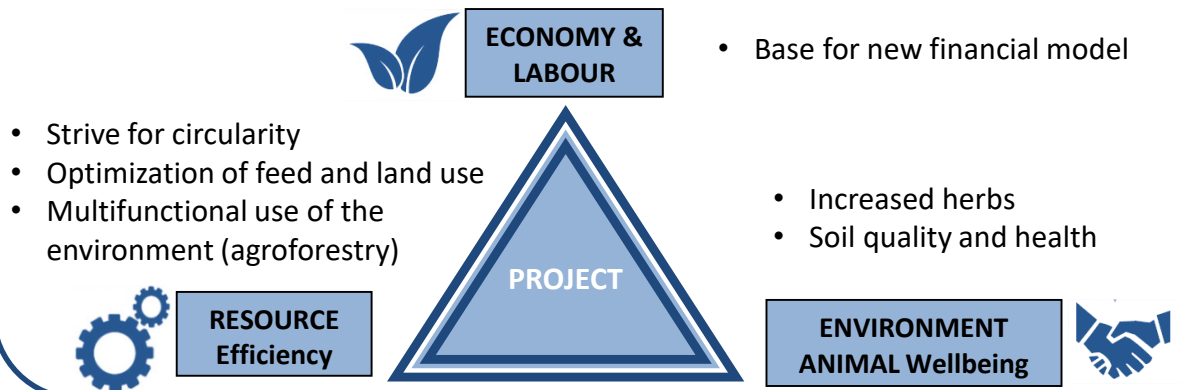
Farmer’s strategy for a “resilient” system

- 1) Work on soil improvement (diversity of crops, green manure, drip irrigation),
- 2) Develop the building blocks for and/or adopt new financial models (that connect to societal desire/wish),
- 3) Work on circular agriculture

Aspirations / Needs for the future

Knowledge. Regional reward systems based on KPI’s. More intense collaboration with local community, government, the entirety of the supply chain, NGO’s, national organizations, basically all stakeholders. Constant renovation/innovation of buildings and infrastructure

Improvement project - objectives



“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/>