



Innovations



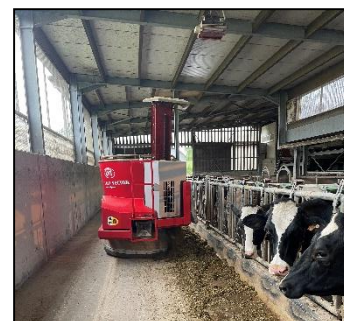
1956:
Purchase of the farm



1965: Takeover by his grandfather; 80 dairy cows & 4 horses



2002: optimisation of milk production & focus on show cows



Farming milestones

2020: Takeover by Pit Bosseler

1959: Move to new farm with 40 dairy cows & 20 Ardennes breeding horses

1990: Takeover by his father Carlo Bosseler

2014: new investments & robotisation

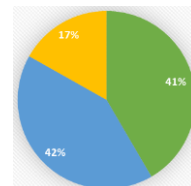
The herd

- 200 Livestock Units (LU)
- 65 dairy cows
- Breeds : Holstein Friesian
- 120 dairy heifers & 30 bulls
- Calving period : all year
- Age at first calving : 25 months

Agricultural Area

120 ha AA

- 50 ha perm. grassland
- 50 ha temp. grassland
- 20 ha Maize silage
- 120 ha main fodder area
- **83 % of grassland / forage area**



Workforces

- 1,5 labour units (Full Time Equivalent)
- 43 dairy cows/FTE & 533.333 l /FTE
- **Aims** : - economic optimum

Areas of interest

- Power supply

Main buildings and Equipment

- Free stall barn for dairy cows
- Milking robot, feeding robot, cleaning robot
- Calf and young heifer barn with collective boxes on straw

Production / Technical results

- 800.000 liters of milk produced (96 % sold)
- 3,95 % fat & 3,40 % protein content
- Stocking rate: 1,6 LU / ha forage area
- 11815 l of milk /cow /year & 9846 l/ha forage area



 <h3>Strengths</h3> <ul style="list-style-type: none"> ▪ broadly positioned with competent staff ▪ always well organised ▪ _____ ▪ _____ 	 <h3>Weaknesses</h3> <ul style="list-style-type: none"> ▪ little property; much leased land ▪ _____ ▪ _____ 	 <h3>Opportunities</h3> <ul style="list-style-type: none"> ▪ new construction makes it more flexible to milk more cows without new investments ▪ _____ ▪ _____ 	 <h3>Threats</h3> <ul style="list-style-type: none"> ▪ society and suburban issues ▪ quality of forage due to weather
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Farmer’s strategy for a “resilient” system


- Achieving the best possible result with little manpower
- Maximum self-production of the feed

Aspirations / Needs for the future

- Own power supply
- Improvement of forage

Improvement project - objectives

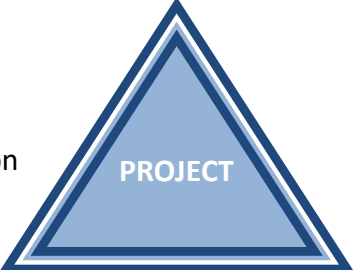
- Reduce workload
- Optimize dairy gross margin



ECONOMY & LABOUR


- Keep a good global rentability for a knowledge transfer centre

- Drastically reduce concentrate for cow
- Reduce water consumption




PROJECT

- Keep a good mineral balance
- Improve forage self-sufficiency



RESSOURCE Efficiency



ENVIRONMENT ANIMAL Wellbeing

Project

“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/>