



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

Bączkowski Ryszard Pilot Farm description Jastrzębiec – 2021 (R4D-PL-03)



Innovations

Technical efficiency & cow longevity









2001 next generation take over the mixed farm

2011

focusing on dairy production

2006

quit pig production and switching to beef production

Farming milestones

The herd

- 180 cattle heads
- 93 dairy cows <u>Breeds</u>: HF
- 87 dairy heifers
- Calving period: all year round
- Age at first calving: 26-28 months
- Increasing the cow herd evaluation of the breeding value of cows

Agricultural Area

100 ha

- 15 ha perm. grassland
- 15 ha temp. grassland
- 37 ha maize silage
- · 33 ha cereals
- 100 % forage area



Workforces

- 1 family labour unit (FTE)
- 1 employee (FTE)
- 1000 hours for seasonal workers (600-700 hours in crop production)

Areas of interest

- Increase milk cow yield
- Investment in machinery
- · Increasing the cow herd

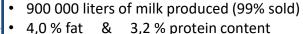
Main buildings and equipment

- Freestall housing
- · Loose keeping of calves
- Fishbone milking system 2x8
- TMR feeding system





Production / Technical results



- 4,0 % fat & 3,2 % protein c
 11 000 l of milk /cow /year
- Focus on cow longevity
- Milk yield









Strengths

- Cow herd
- Barn reducing labour input
- Milk yield
- Manure removal system



Weaknesses

- Calving house no "real building"
- Limited forage area



Opportunities

Biogas plant



Threats

- Changing agricultural policy and its requirements
- Unstable cooperation with dairies

Farmer's strategy for a "resilient" system

- Diversification in income sources not directly linked to agricultural production (e.g. machinery services)
- · Farm generating an income

Aspirations / Needs for the future

- Increasing resource efficiency
- Income from the sale of milk by-products
- Improving mechanisation of production

Improvement project - objectives

 Reduce of labour input



 Diversification of income sources

 Investment in machinery and buildings



RESOURCE Efficiency



· Dairy cow longevity

ENVIRONMENT ANIMAL Wellbeing



Partners









"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/