



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

Nyakas Farm Pilot Farm description Hajdúnánás – 2021 (R4D-HUN-07)



Innovations

Technical efficiency









2007: Farm reconstruction, new milking barn (carousel)

2015:Building of new barn (capacity: 300)

1995: The establishment of Berek Farm Ltd.

2014:Building of new barn

Farming milestones

The herd

- 1726 dairy cows <u>Breed</u>: Holstein-Friesian
- 1882 heifers
- 336 calves
- · Calving period: all year

Agricultural Area

1900 ha land

- 800 ha silage corn,
- 180 ha lucerne,
- 250 ha sunflower,
- 200 ha wheat,
- 140 ha corn,
- 330 ha grassland

Workforces

130 employees (FTE)

Areas of interest

- · Excellent breeding
- Modern technology
- · Intensive production

Main buildings and equipments

- Free stall barn, laying boxes
- 2x12 fish-bone milking parlour
- Carousel milking parlour (capacity: 40)
- 3 barns for milking cows, 1 maternity stable, 1 rearing centres



Production / Technical results



- 21 000 000 liters of milk produced
- 3.6 % fat & 3.2 % protein content
- 11 427 I of milk /cow /lactation







Strengths

- Family farm
- Modern technology
- Appreciation and training of employees



Weaknesses

Lack of labour and



Opportunities



Threats

- Climate change droughts
- High input prices
- Damage caused by war

Farmer's strategy for a "resilient" system

Modern technology Appreciation of employees Solar panel

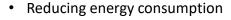
Aspirations / Needs for the future

Improving production efficiency

Improvement project - objectives

Better management of labor resources





- Machinery modernisation
- Purchase of machines



RESOURCE **Efficiency**



Building of modern barn for dairy cows

ENVIRONMENT ANIMAL Wellbeing



Partners



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/