

European Union's Horizon 2020 research and innovation program under grant agreement No 101000770 Grünhof Jörg Riecken Großbarkau, Schleswig-Holstein Pilot Farm description

## Germany

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## **Production / Technical results**

- 1.650 000 liters of milk produced (97 % sold)
- 3,9 % fat & 3,3 % protein content
- Stocking rate: 1.78 LU / ha forage area
- 11,785 l of milk /cow /year & 14 474 l /ha forage area
- Veterinary costs: 0.75 /kg milk
- 240 gr. concentrates / kg milk



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

Beeing prepared taking preventive measures: e.g. own emergency power supply, able to milk, cool and warm up in case of power failure. Regenerative energy (Photovoltaics and wood chips for heating) Own mechanisation, to be independend from contractors when needed. The very efficient grazing system is the centra point, it leads to low feeding costs and healthy cows. Compact block calving offers many opportunities to concentrate working processes but also enables for holydays with the family during summer

## Aspirations / Needs for the future

Invest more outside the agricultural sector

Building an additional storage for 1000 tons of maize silage to build up reserves for draught as well as to have already ensiled maize for cows calving in mid of september



"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/