

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

Innovations

Socio-economic Resilience / Precision





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Pilot Farm description

Poyntzpass, Co.Down - 2022





Production / Technical results

- Yield 10076 litres
 - Feed 3877kg
 - Milk from forage: 1460 litres
 - 4.13% butterfat, 3.38% protein
 - Milk solids 757kg

- Milk sold to Lakeland Dairies
- Margin over concentrate £1748
- Gross Margin per cow £1468
- Full confinement system fed TMR







- Fully automated dairy
- offers flexibility
- Good land base All Land within 2 miles of home farm



Weaknesses

 Land is quite hilly, but can still be managed effectively



Net Zero Farming – already ahead of most farms Renewables- wind on farm



 Increasing Feed and Fertiliser costs

Farmer's strategy for a "resilient" system

Breeding strategy has been focussed on producing smaller cows to reduce maintenance requirements and for easier management. Other breeding focuses include improving fertility, reducing lameness and improving locomotion, and improving milk components. There is a focus on improving grass silage quality to increase production and cut concentrate costs. Aspirations / Needs for the future

Any developments in automation in the future that can improve business efficiency will be adapted on farm. Investment in silage storage is required to cut the risk of any environmental damage. Investment in renewable energy on farm will be important in the future to reduce energy consumption from the Grid.



"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 <u>https://resilience4dairy.eu/</u>