



- Substitute temporary grassland area with permanent grassland area



ROSATI FARM

1 Description of the innovation



Rosati's farm is a family farm located in center of Italy. The major income of the farm comes from sheep milk production. The farm has about 100 ha of which 11 ha permanent grassland and 4 ha of temporary grassland characterized by clay soil. The lack of good quality forage especially during the autumns winter seasons forced the farmer to search for innovation to sustain the milk yield. The solution adopted was the substitution of temporary grassland area with permanent grassland based on Sulla coronaria perennial legume very well suited to the farm pedo-climatical characteristics.

The switch to permanent grassland has been completed in two years.



Added Value



- Grassland production and quality
- Livestock production
- Environmental quality

Reason for the innovation

- Solving problem (the need to change)
- Focusing on higher production
- Reduce labor and expenses



2 Farm description

ENVIRONMENT

Main soil types: clay

Climate: Warm Mediterranean climate

Altitude (m a.s.l.): 450 m a.s.l.

Slope (%): 15

GRASSLAND MANAGEMENT

Grazing: yes, combined with cut use

Grazing management: rotational stoking

Length grazing period: 8 month

Number of cuts: 3

Forage conservation type: hay

Fertilisation rate: 100 kg of N/ha

STRUCTURE

AWU (annual work units): 2450 hours

Agricultural area (ha UAA): 60 ha

- **Arable land** 39 ha
- **Permanent crop** 10 ha
- **Permanent grassland area** 11 ha
- **Temporary grassland area** 4 ha
- **Rangelands area** 2 ha

ANIMAL PERFORMANCES

Breed type: Sarda sheep

Total livestock Unit: 45

Milk production (l/year/head): 240

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Reasons why this innovation is working on the farm

Optimal grassland management based on Sulla coronaria, suited for clay soil.

Country shapes



Domains of Innovation



Machinery, tools



Animal type (breed)



Forage mixture



Product processing



Forage conservation technique



Marketing



Grazing management system



Farm system



Legume management



Landscape



Animal feeding management

Main types of animal

