Slurry tank equipped with a drag hose unit on grasslands

MILK

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1 Description of the innovation

Slurry application on grasslands by using a slurry tank equipped with a drag hose unit 12 meters wide.

Added value:

Increasing grassland productivity

Protection of the environment

The farmer's strategy

The farmer aims at using natural fertlizers on her farm whenever possible. Furthermore, she always wants to apply liquid manure on all grasslands of her holding at an appropriate time, which is 2-3 days after cutting. An ordinary slurry tank was insufficient, so she also decided to buy a more specialised equipment. The farmer is interested in buying machines in a cooperative, but nobody in the neighborhood agrees.

In Poland, precise methods of application of natural fertilizers are known well and used mainly on arable land. Nevertheless, on grasslands, farmers commonly use a normal slurry tank. Liquid manure is mainly applied by spilling it directly on the sward.

2 Farm description

ENVIRONMENT

Soil types :

Sandy

Climate:

Warm-summer humid continental

Altitude:

63 m a.s.l.

Slope:

0%

GRASSLAND MANAGEMENT

All of the grasslands are exclusively mowed.

The sward is conserved by making haylage and hay.

STRUCTURE

Annual Work Unit: 5

Agricultural Area: 177 UAA

Main forage area: 163 ha

Arable land area: 80 ha

Permanent grassland area: 97 ha

Temporary grassland area: 7 ha

Other green forage area: 59 ha

Average tocking rates:

- agriculture area 2.3 LU/ha
- main forage area 2.5 LU/ha
- grassland area 3.9 LU/ha

ANIMAL PERFORMANCE

Dairy cows: 220

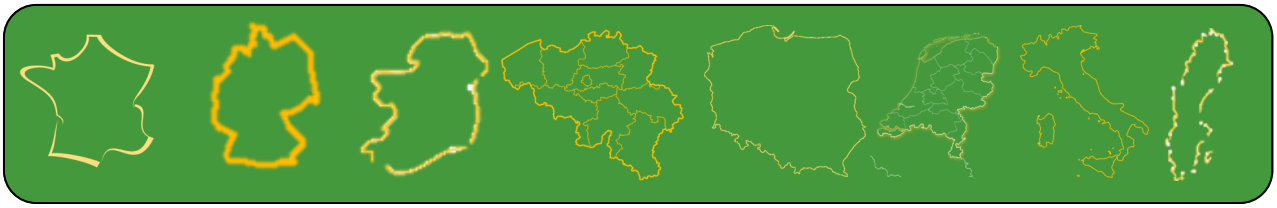
Total livestock units: 405.9

Milk production per head: 11200 (l/year)

WHY IT IS WORKING

The owner of the farm has practical experience and knows a lot about grasslands of her holding. The farmer is convinced that natural fertilizers are the best for her grasslands. She is also aware that a hurried or improper slurry application might result in the destruction of the sod, so she would not outsource this work to third parties.

Country shapes



Domains of innovation

- Machinery, tools
- Forage mixture
- Forage conservation technique
- Grazing management system
- Legume management
- Animal feeding management
- Animal type (breed)
- Product processing
- Marketing
- Farm system
- Landscape

Main types of animal