

Intensification respectful of the means of production





GFA La Ferme du Moulin Guérin

1 Description of the innovation

The innovation lies in the general organization of the forage production, which is intensified by taking care of the soil and using Swiss mixtures in particular.

The soil is never "bare", it is worked superficially except for the cultivation of corn strip-till. The grasslands are sown under cover. Fertilization is based on the rotation and legumes are implanted in different cultures. A digestate and a biodynamic powder are used on the crops.

The farmer realizes his artificial inseminations and his ultrasounds, he has an intensive vision of the profession regarding the animals and the cultures.

He looks for productive forages (20t DM/ha) but also rich in nitrogenous materials 16-17% MAT and in energy to aim at food autonomy. He buys few concentrates compared to the level of production (450 kg of cake per year per head for cows that produce 9000 L/year).



Environment quality
Economic results
Animal health and welfare

FARMER'S STRATEGY

The breeder's strategy is based on production cost reduction.

It was necessary to learn how to use plants, feed the soil and adapt rotations to optimize the soil and its potential.

It is better to work with plant roots than with mechanical tools.

The rotational grazing allows to graze 6 kg DM/day, the rest is distributed.



Farm description

ENVIRONMENT

Soil types:

- Loam
- Clayey-loam
- Limestone

Cimate: temperate oceanic

Altitude: 100m

GRASSLAND MANAGEMENT

Grazing management type: rotational (50 acres plots with 1 plot/day)

Length: 8 months/year

100% of the grasslands are mowed

Fertilization:

- 30μN for grazed and mowed grasslands
- 300 gr/ha added to soil activator (Plocher) for exclusively mowed grasslands

Dominant grass and legume species in grassland:

- Cut: Alfalfa, Fescue, Red Clover,
 Cocksfoot and White Clover
- Grazing: White Clover (4 species),
 Perennial Rye-Grass, Hybrid Rye-Grass, Red Clover and Meadow grass

Forage conservation type:

- Silage
- Hay
- Haylage

STRUTURE

« The happy cow »

3 Annual Work Unit

Agricultural Area: 145 ha UAA

100 ha of main forage area including:

- 44 ha of temporary grasslands
- 20 ha of permanent grasslands
- 36 ha of meslin

Rotation: 3 years of temporary grasslands / cereals / meslin / corn / barley / meslin / grassland

Cattle-dairying with rearing and fattening farm

Methanation system

Breed: Prim'Holstein

Livestock Unit: 145 (95 dairy cows)

Stocking rate: 1.45 LU/ ha main forage

area

ANIMAL PERFORMANCE

Milk production per head: 9 000 L

WHY IT IS WORKING

There is a good consistency of all practices. The farmer applies simple practices and respect for the rules of nature. Everything starts from a good soil approach.