



# Analyse of the grass supply



## Wilry Giesen

### 1 Description of the innovation

Wilry Giesen (39) has a dairy farm together with his father Willy (65) in the western part of the Netherlands, the province Gelderland. The 110 cows are robotic milked combined with the grazing system continuous stocking (4 weeks in a paddock of 5-6 hectare).

The grazing gives the farmer a challenge for the amount of the feed he has to provide in the barn for an optimum use of the grazing. For an optimum use of the fresh grass the (supplementary) feeding ration in the barn has to be adjusted on the grass growth and grass intake of the cows. It changes every week.

The farmer participated in the project 'Amazing Grazing 1.0' with his challenge. It resulted in a program that analyses the grass height in the paddock. The farmer is measuring the grass height every week with the tool 'Grass Master Pro'. The program analyses this data and gives insight in the grass intake and the grass supply (based on growth curve). With the analyse the farmer is able to make the right adjustments in the feeding ration in the barn for successfully grazing.



Economic results

Efficiency

### Farmer's strategy

The strategy of the farmer is based on reducing cost and a more efficient use of the fresh grass. The feeding management during the grazing period is based on the grass supply by measuring the grass growth with the tool 'Grass Master Pro' and a special designed computer program for an analyse.

An improvement for the program is the predicted grass growth, for a better analyse this has to be more accurate.



## 2 Farm description

### ENVIRONMENT

Soil: Clayey – Loam

Climate: Temperate oceanic

Altitude: ±sea level

Slope: flat

### GRASSLAND MANAGEMENT

Grazing: Yes

Grazing management: Continuous stocking

Length of grazing periode: 6 months/year

Main composition grassland: Perennial ryegrass and white clover

### STRUCTURE

**Agricultural Area** 47 ha UAA

*Permanent grassland* 39 ha

*Corn silage* 8 ha

**Production method** Conventional

**Stock** 110 dairy cows

60 young stock

**Breed** Holstein-Friesian,  
Brown Swiss,  
Fleckvieh, Swedish  
Red

**Milk production** 9500 kg/year

**Annual Work Unit** 2

### WHY IT IS WORKING

The innovation is successful on this farm because:

- the farmer's motivation for a successfully and efficient grazing period.
- the participation of the project 'Amazing grazing 1.0'.