

# Grazing with monocultures and mixtures



## Michael Carroll

### 1 Description of the innovation



- Grazing with monocultures and mixtures
- Focusing on higher production and lower costs
- Reseeding monocultures and identifying best performing varieties
- Increase grass yield and grass quality per hectare
- Soil fertility and grazing infrastructure
- Economic results
- Moorepark research
- Increase output and reduce costs by increasing the amount of grass in the diet of the cows
- Pasturebase Ireland



More milk being produced from grazed grass



#### Produce more milk from grass

- Reseeding monocultures and identifying best performing varieties
- Pasturebase Ireland



## 2 Farm description

### ENVIRONMENT

Soil type: Sandy

Climate type: Temperate Oceanic climate

Altitude: Variation across the farm

Slope: Variation across different paddocks

Agricultural area (ha UAA): 68.8ha

Permanent grassland area (ha): 68.8ha

Average stocking rate (agriculture area)  
(LU/ha UAA): 2.95

### GRASSLAND MANAGEMENT

Grazing : Yes

Grazing management type:

Rotational Grazing

### STRUCTURE

Annual work units (AWU): 2

Main animal type: Dairy

Number of reproductive animals: 160

Breed type: Fr

Average stocking rate (agriculture area)  
(LU/ha UAA): 2.95

### ANIMAL PERFORMANCE

Milk production per head (l/year/dairy  
animal): 5500l

Grassland management type: Rotational

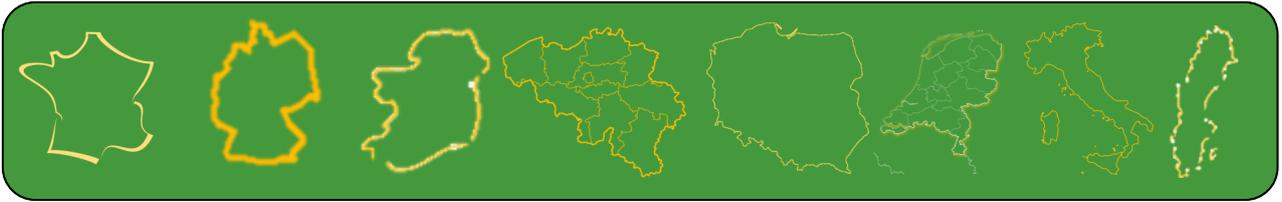
Length of grazing period: 285-300 days

Fertilization rate (kg N/ha): 210

### WHY IT IS WORKING

- Reseeding monocultures and identifying best performing varieties
- Increase grass yield and grass quality per hectare
- Increase grass grown and utilised per hectare from variety selection
- Soil fertility and grazing infrastructure
- Moorepark research
- Increase output and reduce costs by increasing the amount of grass in the diet
- Pasturebase Ireland

# Ireland



## Domains of innovation



pasturebase, contractor



Monocultures



N/a



Rotational Grazing



N/a



paddocks



Fr



Milk



Quality milk from gass



Low cost grass based system



Sandy soil

## Dairy Cow



MILK