

# Grassland – the source of

## Farm grass growth potential

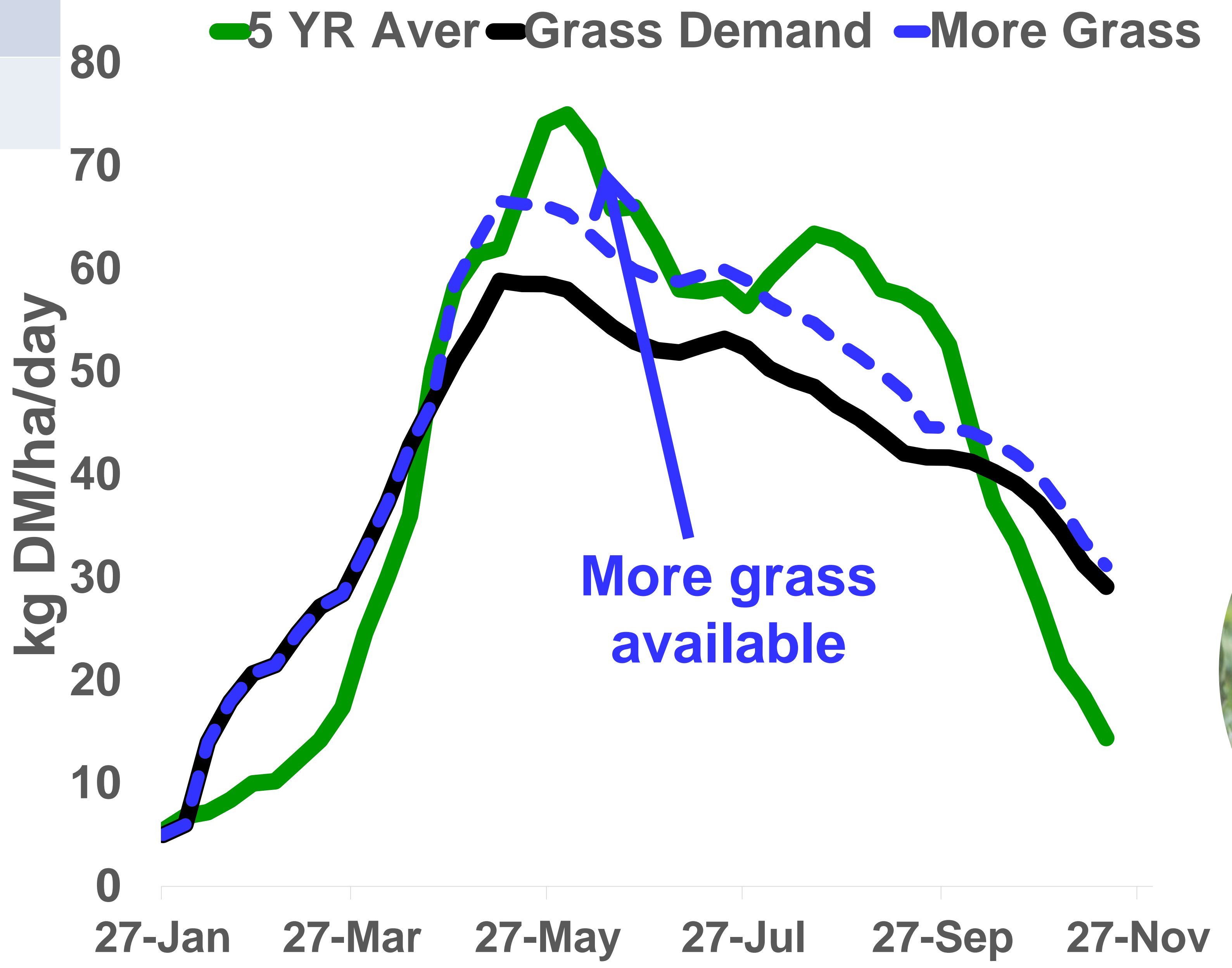
Grass/Clover swards - Cost competitive  
Productive swards = Productive farms

	Top 25%	Average	Bottom 25%
DM production	14.8	12.9	10.4
Grazing events	8.2	7.3	6.4

## Grazing management

- Farm growing grass to feed herd?
- Achieving grazing targets?

## Grass demand versus growth



Total nitrogen in the system  
14-15 t DM/ha

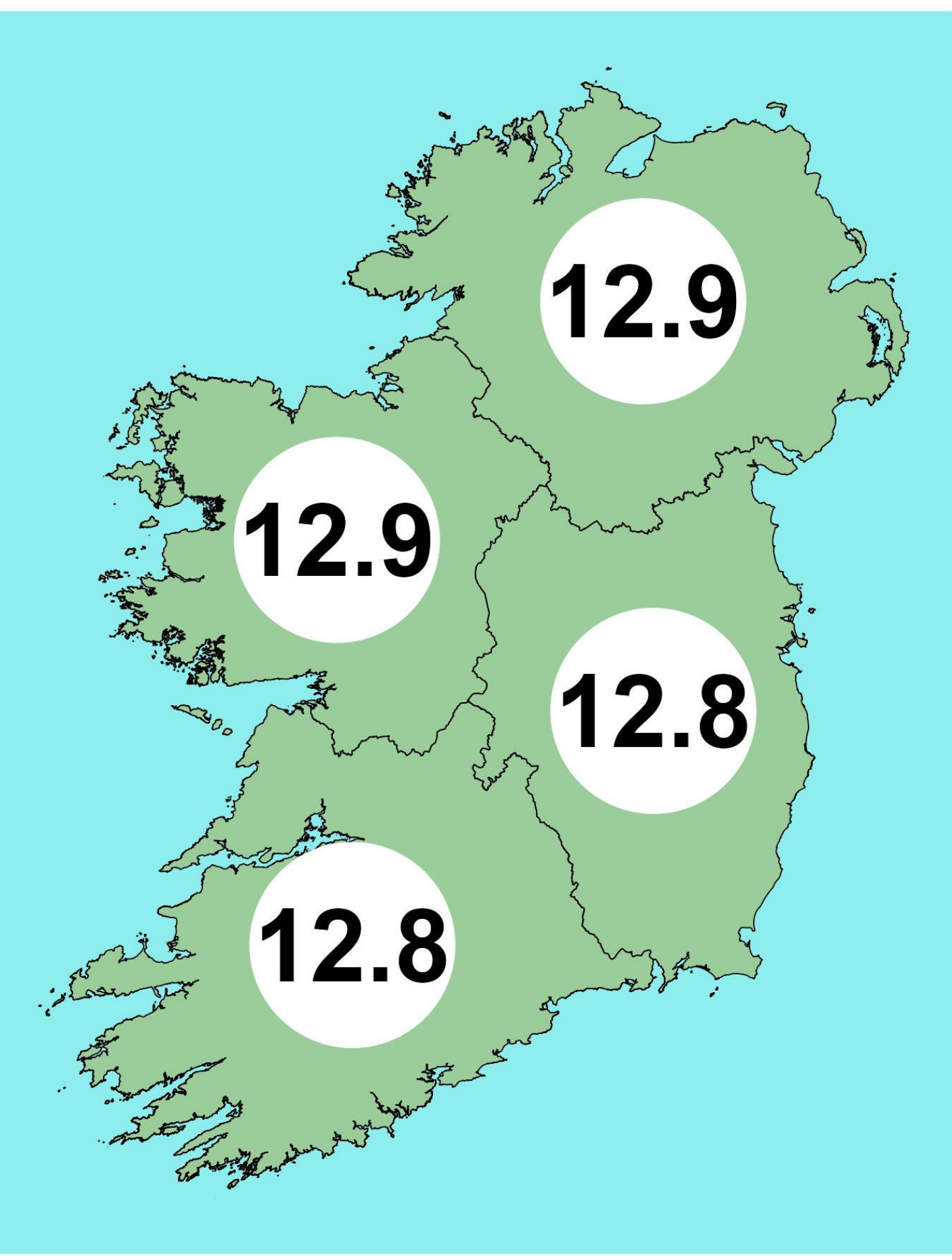
**Fertiliser**  
150 – 200  
kg N/ha

450 kg  
N/ha

**Clover**  
0 - 100  
kg N/ha

**Soil**  
100 – 200  
kg N/ha

## Grass growth (t DM/ha)





# a sustainable future

## Precision management



**Spring**

- Weather conditions
- Slurry early
- Early spring N

- Matching grass growth & demand
- Soiled water use
- Clover N fixation



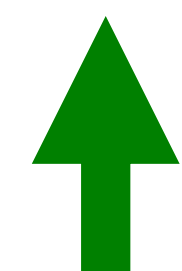

**Summer**



**Autumn**

- Increase rotation length
- Clover N fixation
- Peak AFC

## Clover on farms

- Over-sowing & reseedling
- Continual management
- As clover  - adjust N 
- Silage swards – Red clover

Clover150 farms	2020	2021	2022
N fertiliser (kg N/ha)	232	206	158
Concentrate (kg N/ha)	41	43	52
Clover area (%)	10	45	65
Herbage production (t DM/ha)	14.4	14.1	13.2

## Grassland performance targets

### Management

14 - 15 t DM/ha  
Precision N – prot urea  
Stocking rates

### Swards

Soil fertility  
Clover - > 20%

### N efficiency

N input - <200 kg N/ha  
Supplementation  
Animal performance

## Take home messages

- Match stocking rate to farm grass growth
- Improve nutrient and slurry use
- Clover - incorporate & manage