

Grassland – the source of

Farm grass growth potential

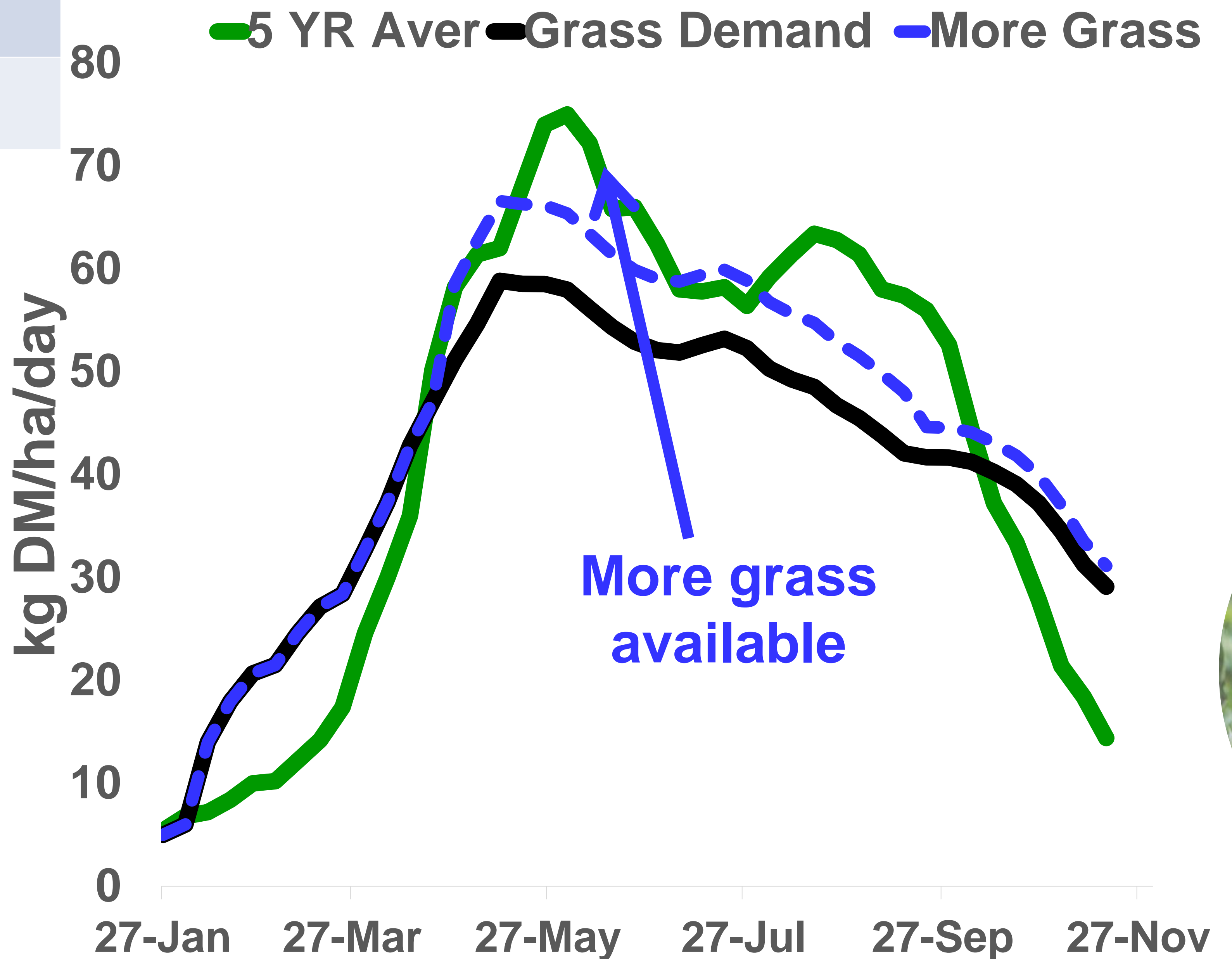
Grass/Clover swards - Cost competitive
Productive swards = Productive farms

	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

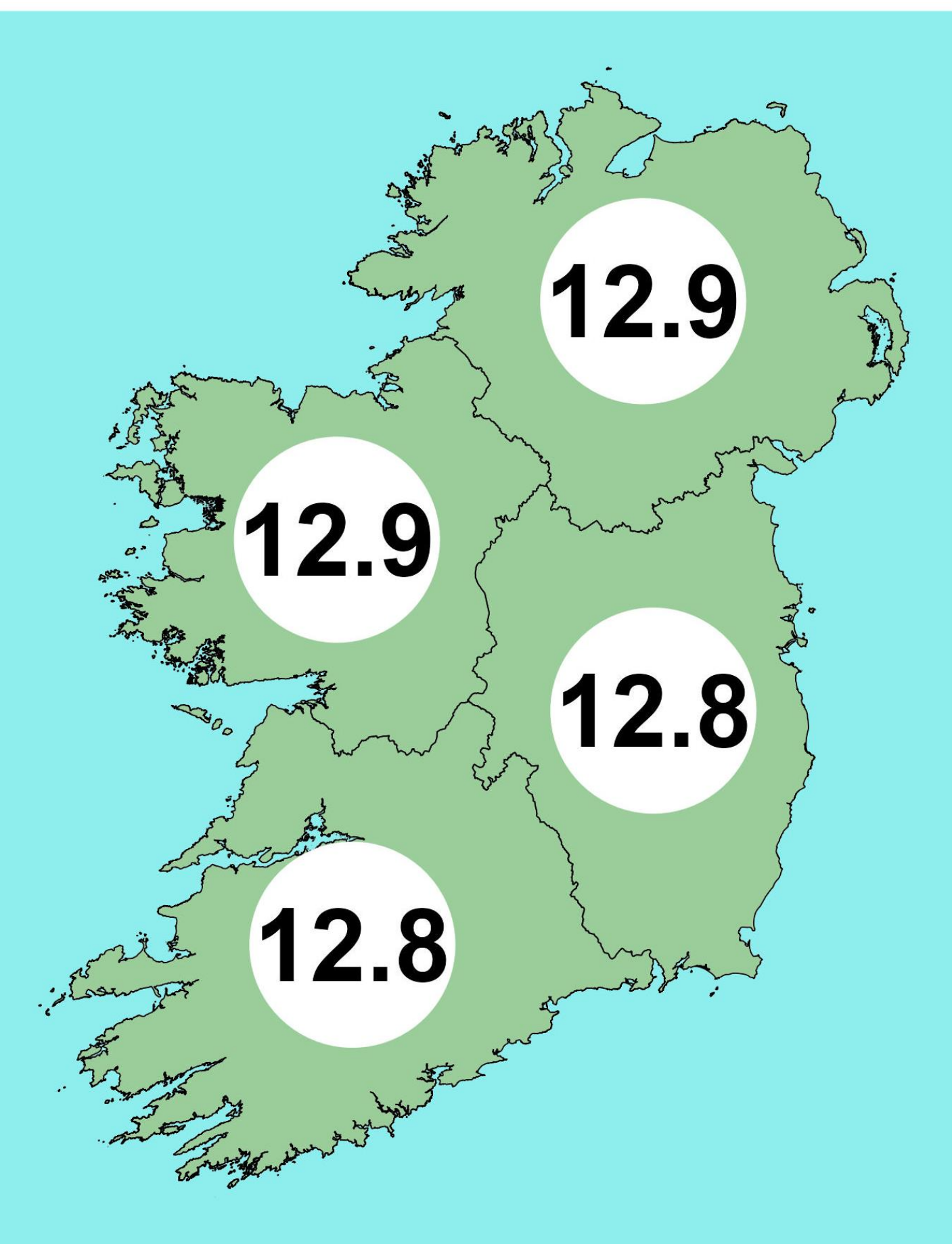
Fertiliser
150 – 200
kg N/ha

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