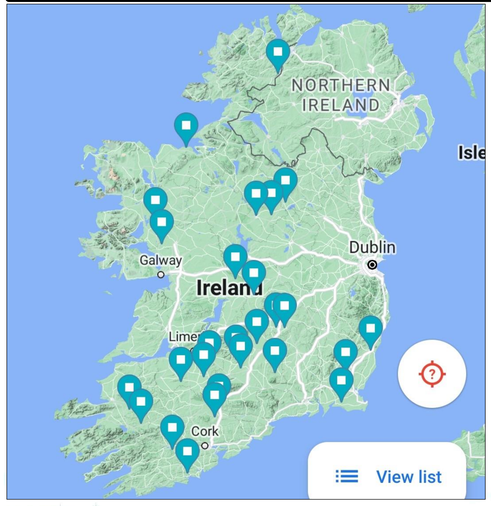
Agriculture and Food Development Authority

Clover150

Clover150 programme



1. Maintain herbage production ≥14 t DM/ha
2. Reduce chemical N to ≤ 150 kg N/ha per year
3. Average sward clover content 20–25%
4. Reduce N surplus to <130 kg N/ha

Results to date:

- Chemical N applied on farm reduced from 232 kg N/ha in 2020 to 159 kg N/ha in 2022
- Farm-gate N surplus reduced to 139 kg N/ha in 2022 (- 55 kg N/ha from 194 kg N/ha in 2020)

	Clover area	Annual tonnage (t DM/ha)	Chemical N (kg N/ha)	N surplus (kg N/ha)
2022	64%	13.3	159	139
2021	45%	15.5	177	180
Difference	+19%	-1.2	-18	- 41

Going forward

- Use of PBI Nitrogen planner yearly
- Reseed 10% of farm each year
- Over sow clover 15 - 20% per year in March/April

Take home messages

- Clover 150 farmers successfully incorporated clover through oversowing & reseeding
- Farm gate N surplus reduced

Programme

20% clover content

- Fixes 100 kg N/ha
- Reduce to 150 kg chemical N/ha per year

Oversowing – 15-20% per year

- March - April (temperature, moisture, germination)
- Paddock selection (good soil fertility, weed burden low, annual herbage > 10 t DM/ha)
- 6 kg/ha medium leaf clover
- Grazed regularly (<1,000 kg DM/ha)

Reseeding – 10% per year

- Preferably spring
- 3.5 - 5 kg/ha medium leaf clover
- Clover safe spray 6 weeks post oversowing