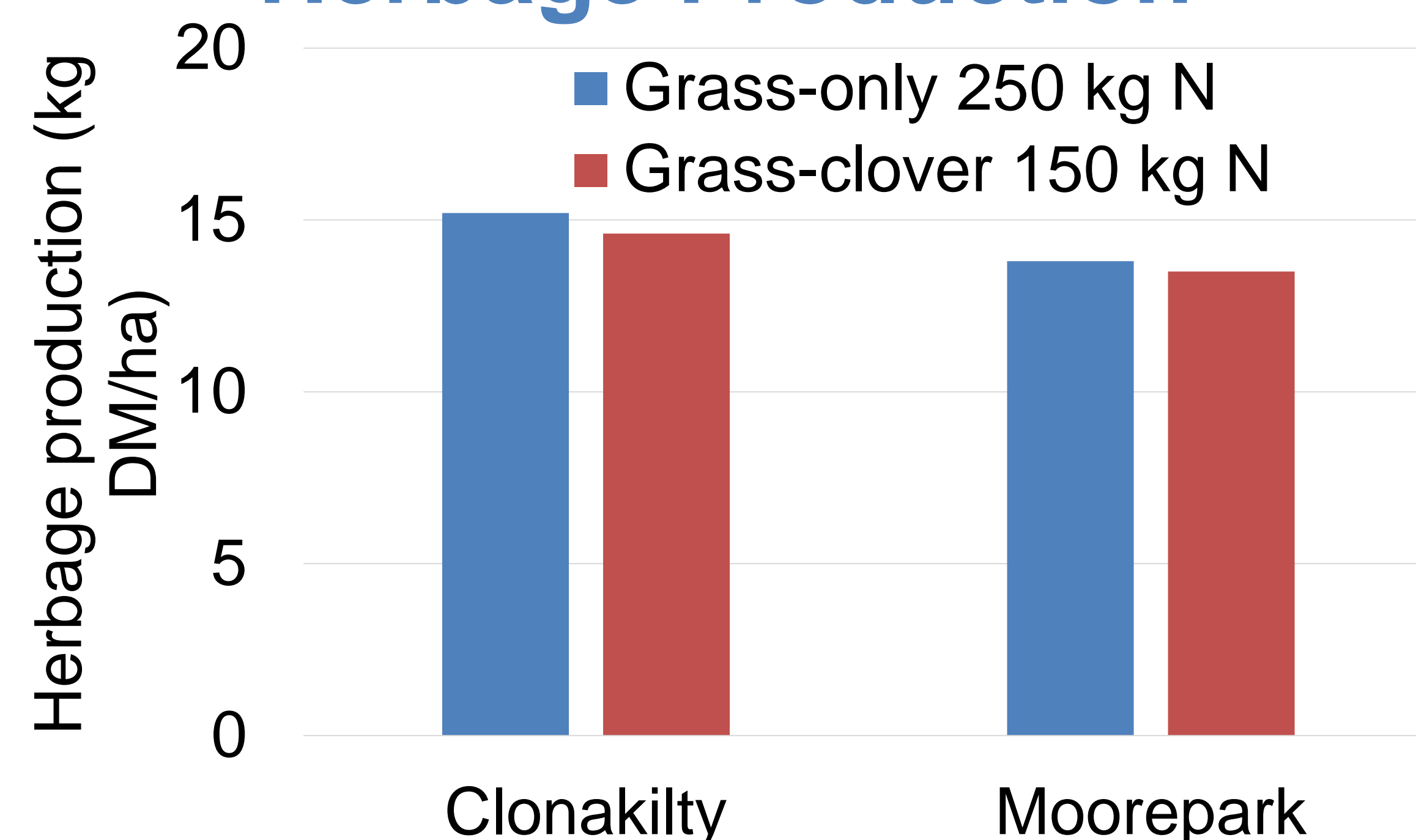


Benefits of white clover

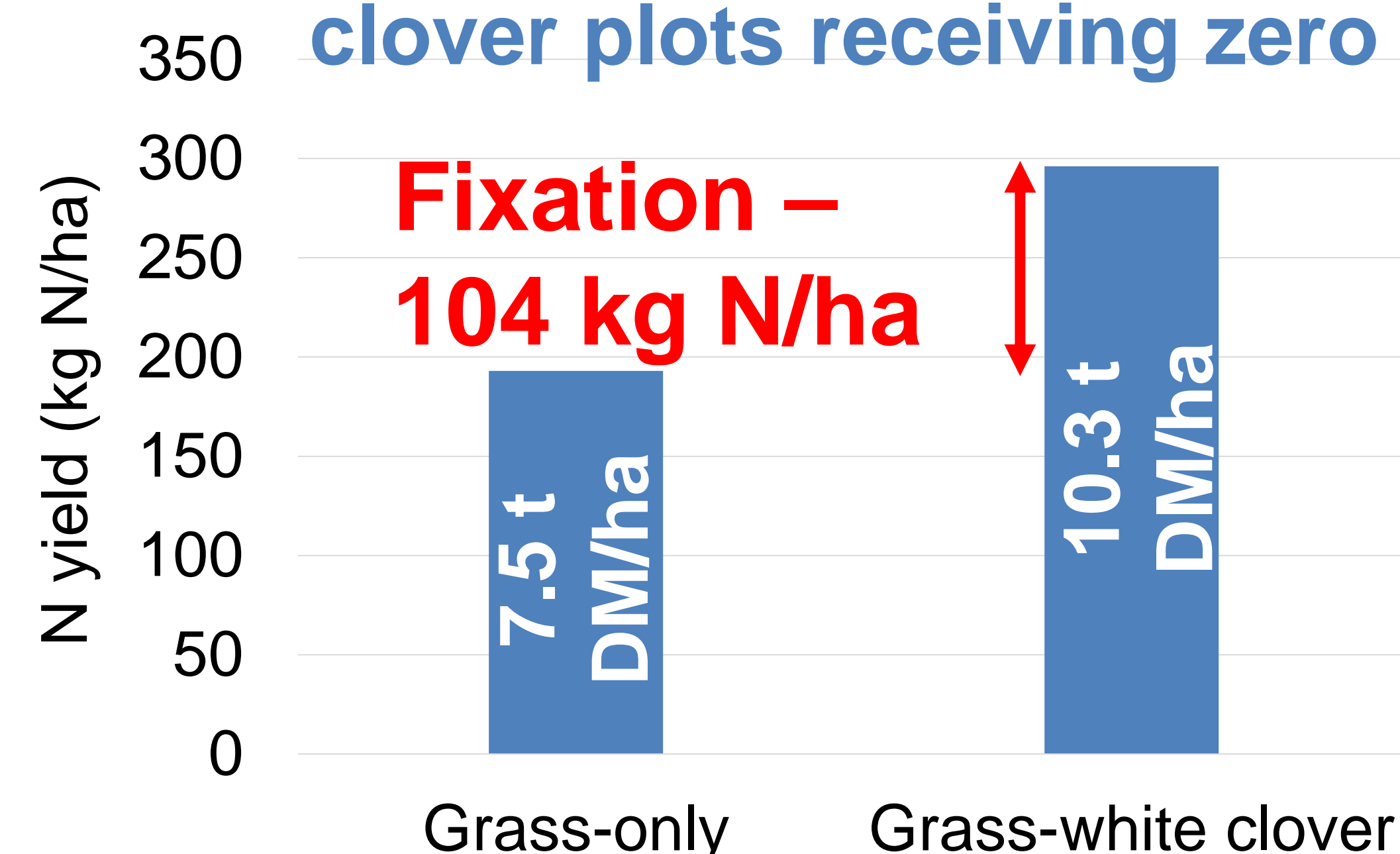
Benefits of white clover

- Biological N fixation
- Reduced requirement for chemical N fertiliser
- Similar or increased herbage production
- Greater milk solids production: 20-50 kg/cow

Herbage Production



N yield/fixation on grass-clover plots receiving zero N



Take home messages

- White clover promotes greater DM intake and milk solids production
- White clover can fix 50 – 200 kg N/ha

Milk production and dry matter intake (DMI) on grass vs grass-white clover swards

	Grass-only	Grass-clover
Moorepark		
DM intake (kg/cow)	16.3	17.3
Milk yield (kg/cow/day)	20.5	21.6
MS yield (kg/cow/day)	1.74	1.81
Clonakilty		
DM intake (kg/cow)	16.7	17.2
Milk yield (kg/cow/day)	19.1	20.4
MS yield (kg/cow/day)	1.61	1.72

- Increased DMI in summer and autumn on grass-clover compared to grass-only
- Lower fibre (NDF) content allows faster rumen passage rate promoting greater DMI