

Grassland (Perennial ryegrass)

Year:
2023

Location:
Aplhen,
Netherlands

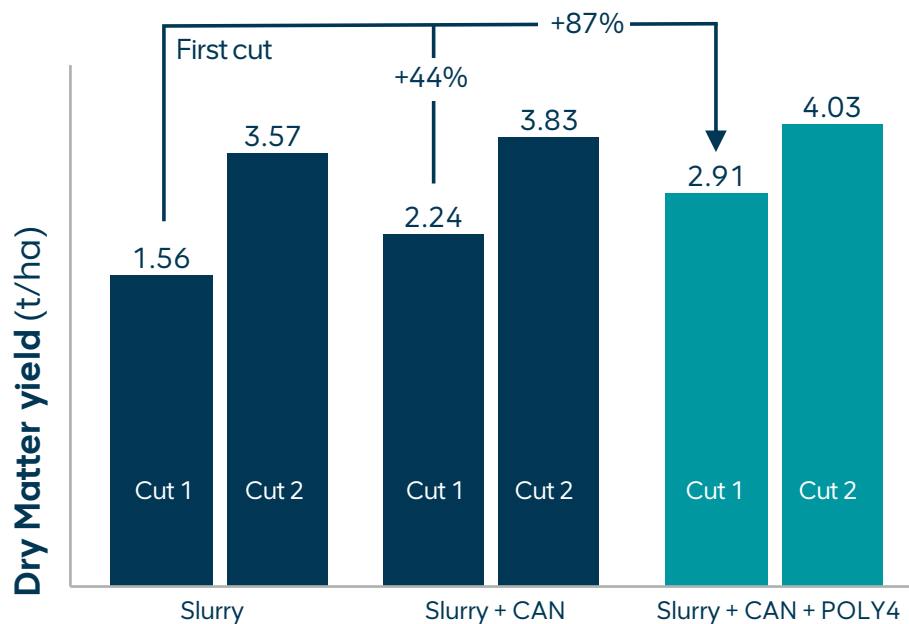
Number of sites:
1

Result

Slurry applications in early spring do not provide sufficient sulphur and grassland soils tend to be deficient of S.

POLY4 provides a sustained supply of nutrients, which helped to improve nitrogen use efficiency of CAN and slurry, resulting in a significantly higher yield.

Protein levels were also increased substantially.



Application

All treatments except the slurry only treatment received 130 N/ha from fertilisers. POLY4 rate was 300 kg/ha.

Treatment	K ₂ O	S	MgO	CaO
Slurry	0	0	0	0
Slurry + CAN	0	0	19	14
Slurry + CAN + POLY4	42	57	37	65

Median rates applied (kg ha⁻¹)

35%

yield increase
(total of both cuts
vs slurry)

80%

**protein yield
increase**
(total of both cuts)



Reduction
of nitrates
for improved
palatability



Improved dry
matter and protein

