TRIAL DATA SHEET SWEETGRASS®

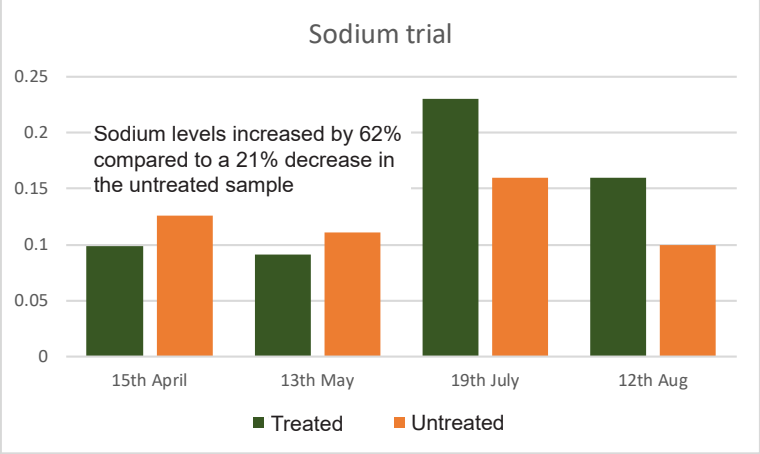
Objective:	Assessing the impact of Sweetgrass plus additional selenium on grazed grass
Crop:	Grass
Location:	Cumbria, England
Date:	Split field trial, spring and summer 2019
Researcher:	On farm trial
Trial code:	19005/NW/ME

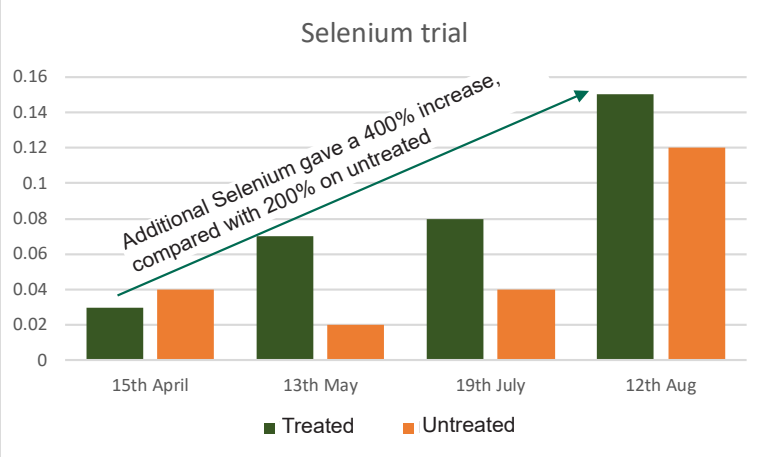
Application:

Selenium was added to Sweetgrass and applied to half of each field to compare the effect on grazed grass against straight nitrogen. Samples were taken throughout the growing season.

Date	Applied
20/03/19	188kg/ha AN to one side and 250kg/ha of Sweetgrass 23N + $5SO_3$+$5Na_2O$+Se to the other side of the field
01/06/19	

Results:





Increase in milk yield is worth £89 per cow

- ✔ Cow producing 3,300 litres from grass
- ✔ 9.3% increase = additional 307 litres x 29ppl = £89.03 per cow

Increase in DMI is worth 36p per cow per day

- ✔ DM value = c. £140 pt
- ✔ Sodium increases DMI by 2.6kg per cow per day
- ✔ 2.6kg DM per cow per day x £140 pt = 36.4p per cow per day

Sodium in Sweet-Grass

- ✔ Sodium is not firmly held in soils therefore a 'little and often' approach to application is ideal
- ✔ RB209 recommends regular applications of 10 – 12kg/ha of Na2O throughout the season
- ✔ Sweetgrass provides the optimum levels of sodium in relation to N

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