

Objective: To compare differences in grass forage yield and mineral balance between blended compound *Sweetgrass*®, straight nitrogen and a complex compound nitrogen plus sodium grade

Crop: Forage grass

Location: Dorset, England

Date: May to October 2019

Researcher: Pearce Seeds, independent trials contractor

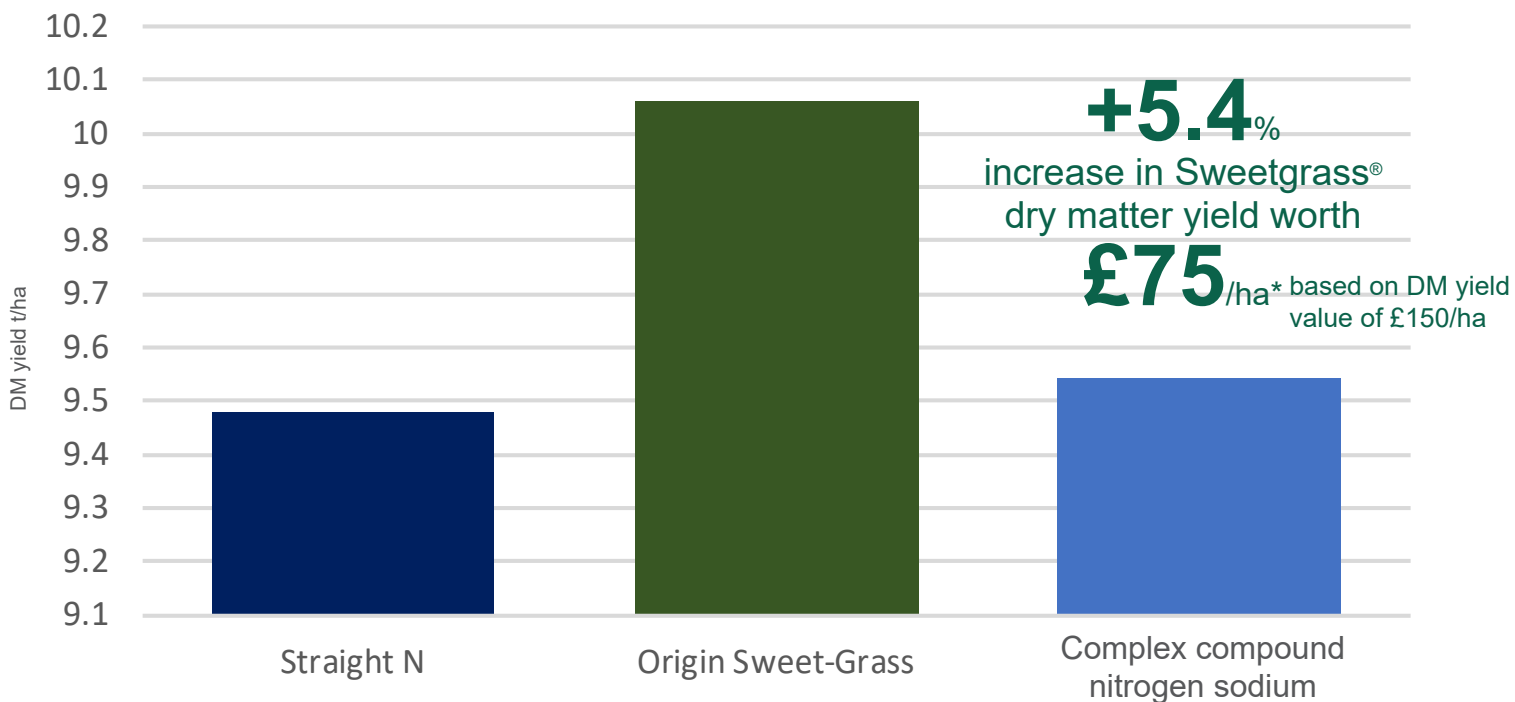
Method: Fertiliser applied every 4 weeks for 3 applications from May–July with a cut of grass from the plots every 28 days.

Measurements: Full mineral analysis and feed value

Trial code: 19004/SW/TE



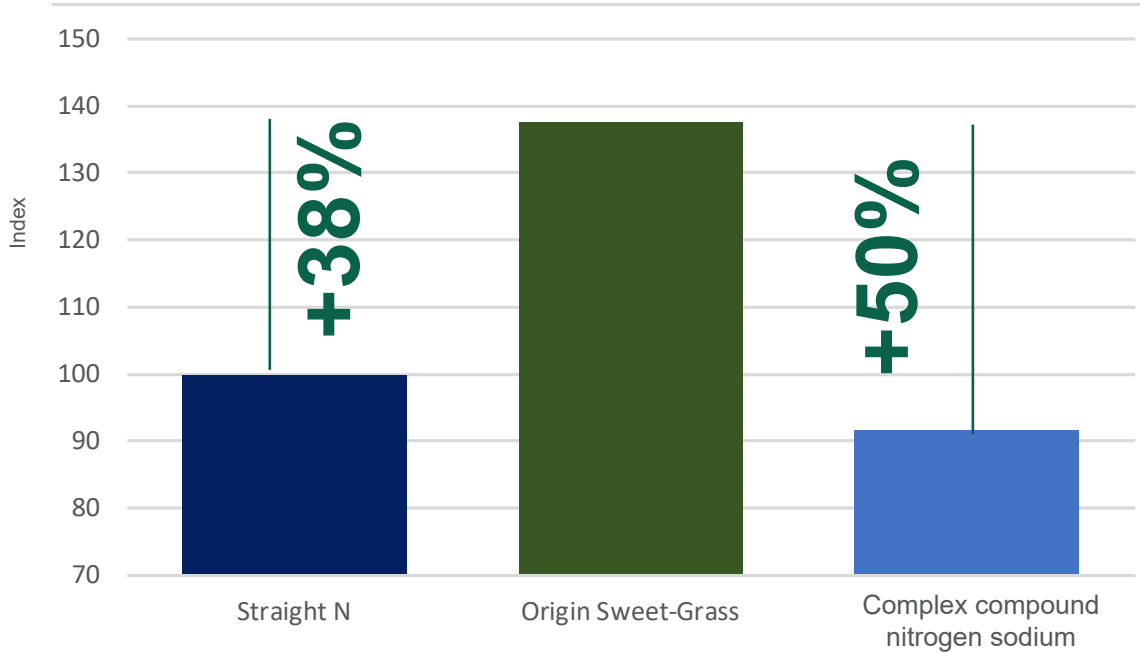
Results: Dry matter yield



- *Sweetgrass*® produced more grass than the complex compound nitrogen sodium brand (CCNS) = increase in DM yield worth £75 p/ha
- *Sweetgrass*® increased nitrogen recovery by 20% versus straight N and 15% versus CCNS = higher protein

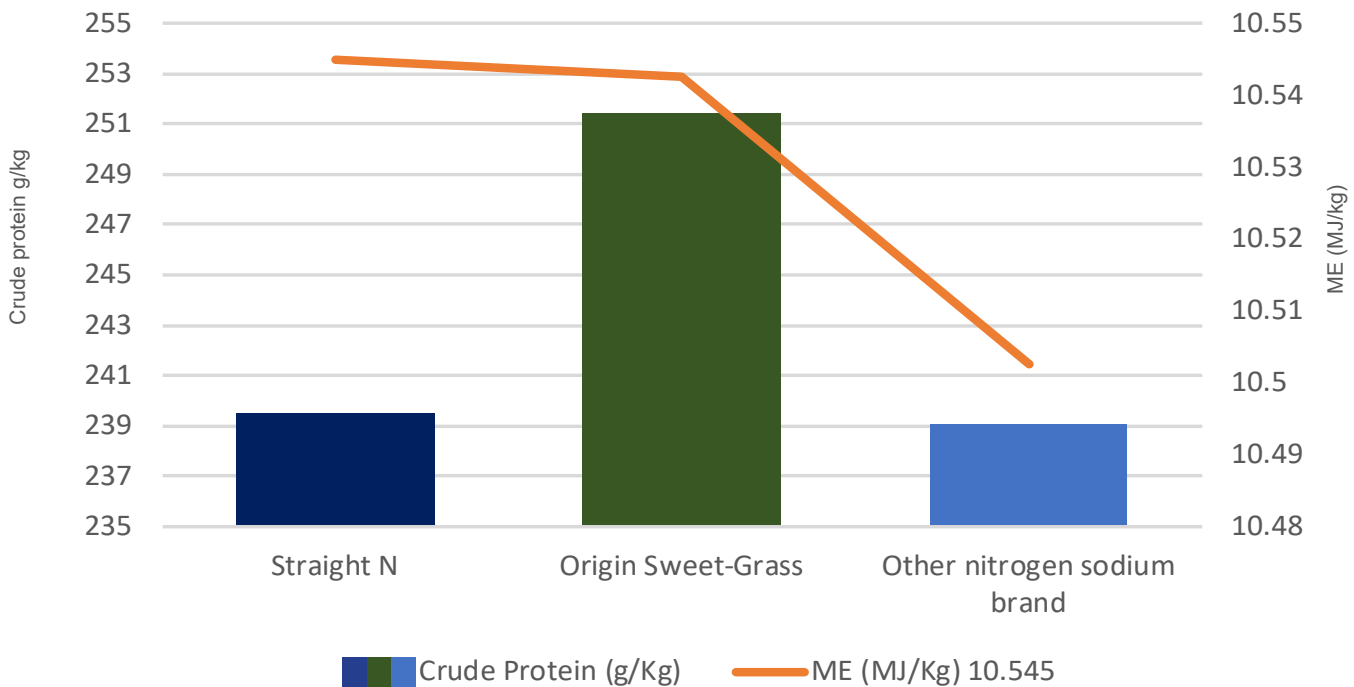
Results: Sodium content

Straight N is indexed to 100



- **Sweetgrass®** increased sodium content by 38% versus straight N and 50% versus the CCNS = higher palatability and DM intake
- **Sweetgrass®** reduced the K:Na ratio by 25% versus straight N and 32% versus the CCNS = reduced risk of hypomagnesia

Results: Crude protein and ME



- **Sweetgrass®** gave a higher yield of dry matter and increased crude protein levels without impacting ME. This is as a result of high quality plant available nitrogen and sulphur ensuring a high value forage on farm