

# TRIAL DATA SHEET

## Sweetgrass

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

**Crop:** Forage grass

**Location:** Dorset

**Date:** May to October 2019

**Researcher:** Pearce Seeds, independent trials contractor

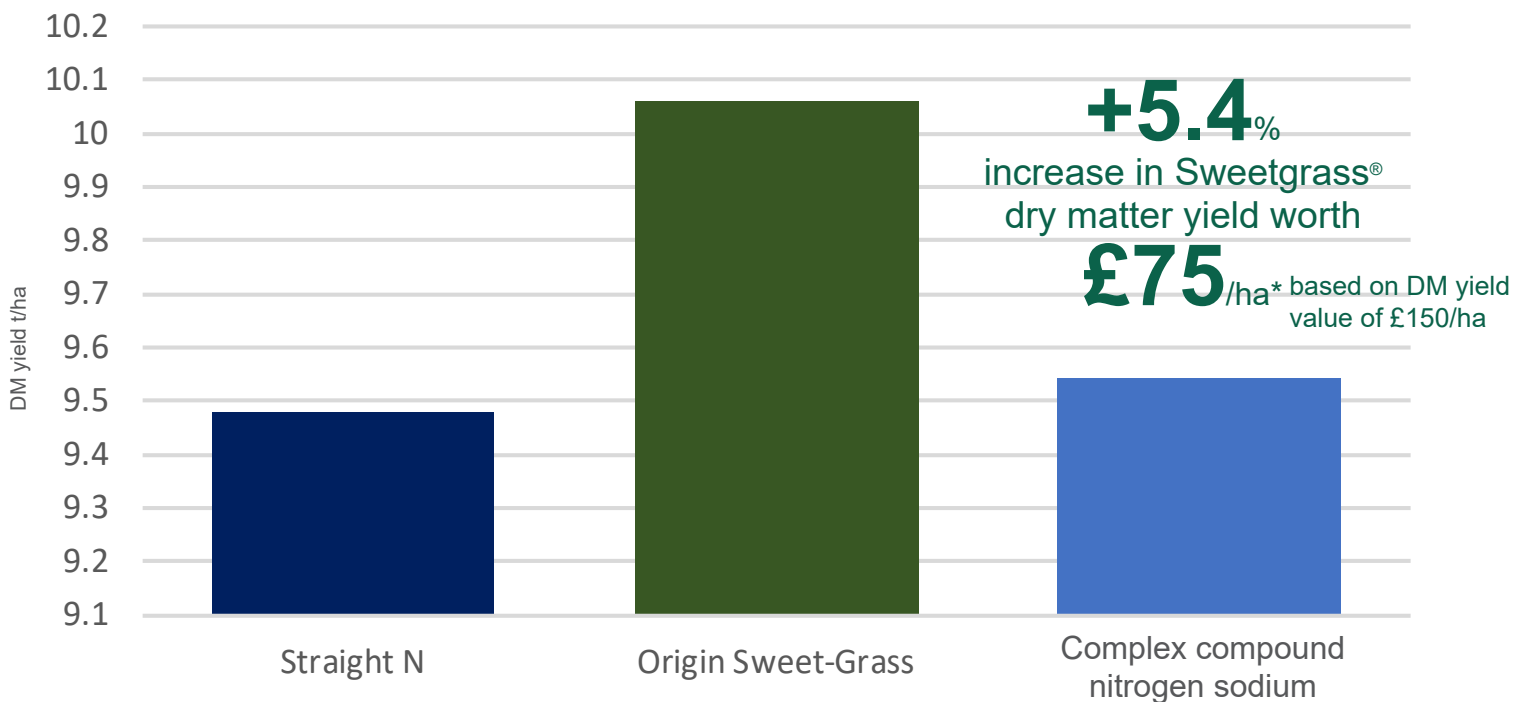
**Method:** Fertiliser applied every 4 weeks for 3 applications from May–July with a cut of grass from the plots every 28 days.

**Measurements:** Full mineral analysis and feed value

**Trial code:** 19004/SW/TE



### Results: Dry matter yield

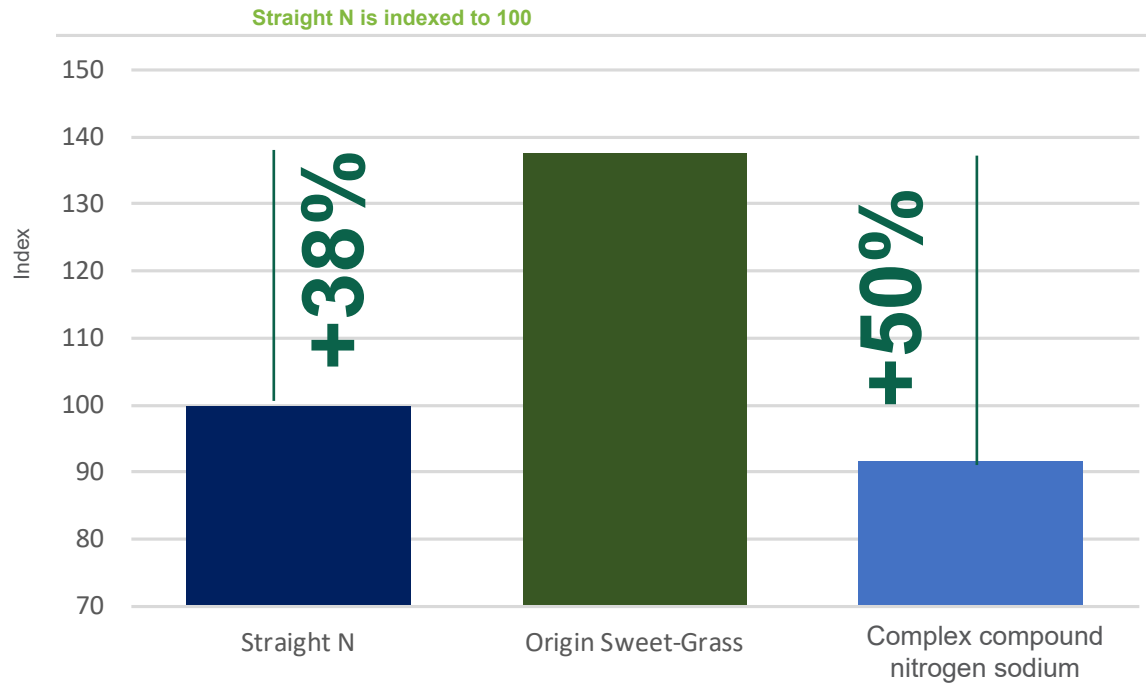


- *Sweetgrass*<sup>®</sup> produced more grass than the complex compound nitrogen sodium brand (CCNS) = increase in DM yield worth £75 p/ha
- *Sweetgrass*<sup>®</sup> increased nitrogen recovery by 20% versus straight N and 15% versus CCNS = higher protein

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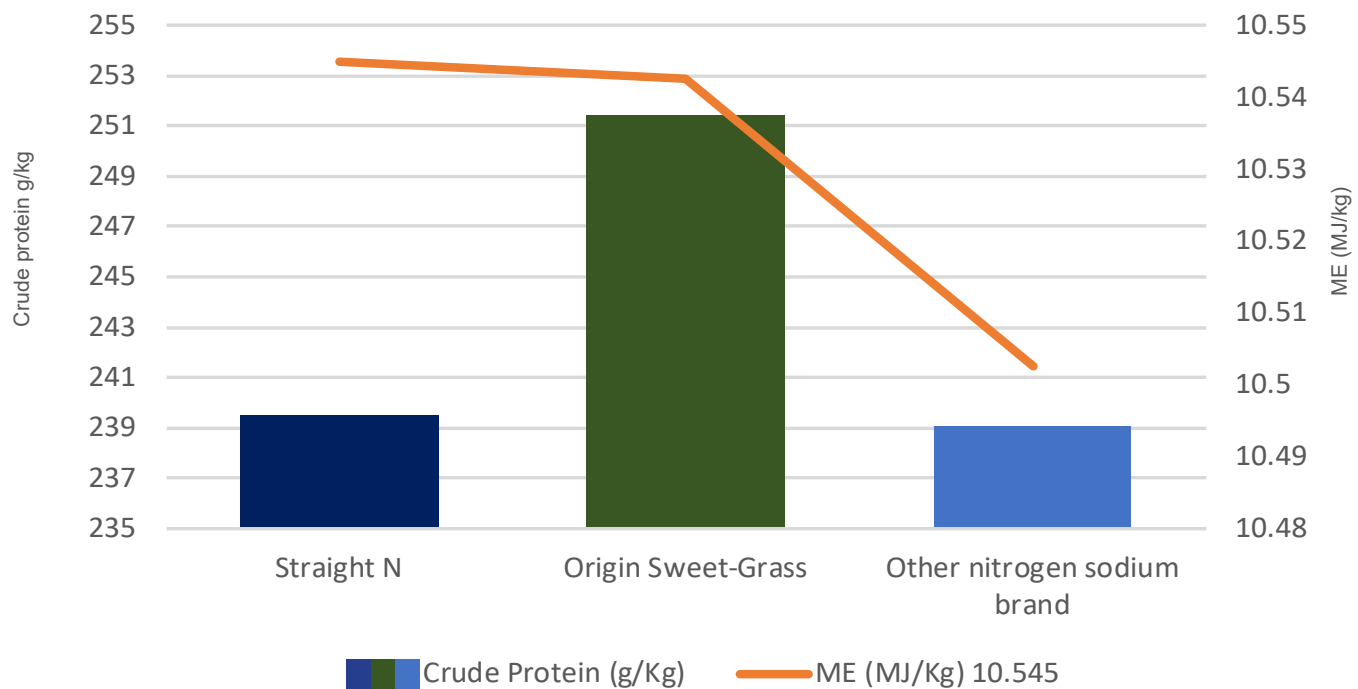
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## Results: Sodium content



- **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

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