

Curtins farm update INRAP SIGNPOST

Fertilizer (kg N/ha)



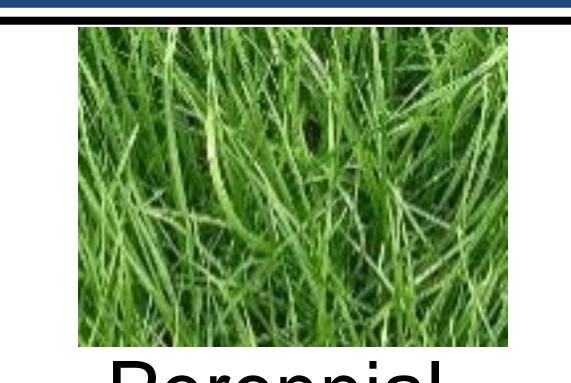




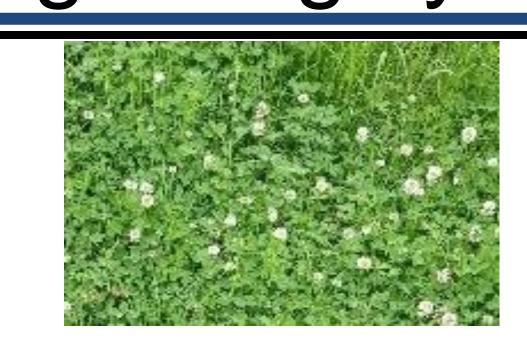
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Experimental objective

To investigate the impacts of 3 swards & 2 animal breeds on the performance of spring calving grazing systems



Perennial ryegrass (PRG) 250 kg N/ha



clover (WC) 125 kg N/ha

PRG+white



Multispecies (MSS) 125 kg N/ha



Growing evidence of sward diversity benefits

- Increased DM yield & stability over monocultures
- Improved animal nutrition and performance
- Reduced N losses, increased C sequestration & biodiversity

First results of the study (2021-2022) PRG+WC Multispecies Sward PRG **Breed group** HF JFX HF **JFX** Milk yield (kg/cow) 5,250 5,010 5,150 5,150 Fat content (%) 5.36 5.04 5.48 5.21 5.51 5.06 Protein content (%) 3.89 3.67 3.87 3.73 3.79 3.75 Milk solids (kg/cow) 482 451 468 459 472 468 Pasture yield (t DM/ha) 11.3 10.7 11.0

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PRG+WC and MSS can improve dairy farm performance through higher milk production while reducing the use of chemical N fertiliser