



Nitrogen Fertiliser Increases Puccinellia Pasture Mass

Aim

To determine the optimum rate and timing of nitrogen fertiliser application for puccinellia-based pastures

Introduction

Puccinellia can be relatively productive on salt affected land, especially on areas that are subjected to long periods of inundation. Increased production should be possible with improved fertiliser use and management.

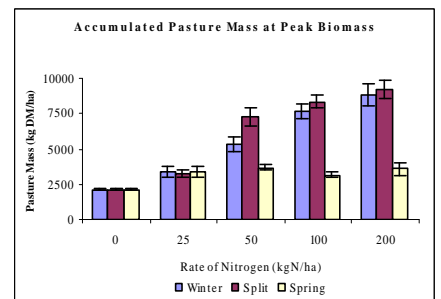
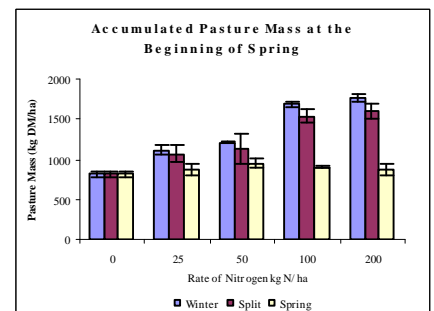


Materials and Methods

- Urea was applied at 0 (control), 25, 50, 100 and 200 kg N/ha in winter, spring and a split (half winter and half spring) application.
- Accumulated biomass was measured every 6 weeks between winter and early summer using a rising plate meter.



Results



Conclusions

- All treatments increased pasture mass relative to the control
- Split N treatments produced the greatest response
- A winter only application has the advantage of increasing pasture mass during a period where feed shortages are common

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