



Alice Springs Region Carrying Capacity in Central Australia

Optimising pasture use for sustainable beef production

This project equips land managers to:

- Estimate carrying capacity for sustainable beef production
- Determine the risk profile of pasture growth in a variable climate



The project

Pasture, soil and rainfall data is being collected from purpose built enclosures on various properties across the Alice Springs region – these represent specific land types in the region.

The data is being used to calibrate the pasture growth model (GRASP) for the Alice Springs region. GRASP can be used to:

- Estimate seasonal pasture growth
- Provide land managers with a greater understanding of long-term probabilities of pasture growth, by incorporating historical rainfall information.



AussieGRASS is a spatial modelling framework that uses the GRASP model to estimate pasture growth and standing bio mass over a selected area.

