



FORAGECASTER

PARTNERS



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IN SHORT

This Food Agility CRC project delivered an accurate prediction tool that helps livestock producers optimise farm management and business decision making, and mitigate risks associated with climate change.

"If a farmer using the Foragecaster planning tools wants to know the reasons behind a recommendation or prediction, we can provide them with the data to justify it. That confidence will ultimately help mitigate risk and improve efficiency."

Dr Kenny Sabir, AgriWebb

THE CHALLENGE

Traditionally, foraging plans for grazing animals such as beef cattle, prime lamb, and wool sheep have been made using a combination of manual observations, grazing rotation calendars, and farmer instinct. While these can become refined over time, they struggle to account for specific farm characteristics or seasonal events. In recent years, satellite technology has opened the door to data-driven grazing decisions by providing information on pasture growth and vegetation. However, these static observations cannot be used to predict changes to the farm landscape caused by weather events, climate change, or farm management practices.

OUR APPROACH

This project delivered an AI-supported grazing planner that combines seasonal climate forecasts with modelled pasture and livestock growth, allowing producers to develop a range of different management scenarios. These scenarios are available for any farm in Australia by combining leading remote sensing technology, biophysical growth models, climate and weather inputs, pasture composition research and animal grazing monitoring. The forecasts will be delivered via AgriWebb's existing platform.