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A bit about us...

- Etiwanda is a mixed grazing operation 95km south of Cobar, operated by Andrew and Megan Mosely, their daughters Emily and Jess, and 1 full time employee, Charles Callaghan.
- Operation is based over 26,000 hectares of owned and leased land.
- We run White Dorpers in a stud and commercial capacity, Red Angus and composite cattle and rangeland goats.
- A family-focused agri-business, passionate about regenerative agriculture and biological restoration.



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What does it mean to be 'Rangeland Ready'?



- **Sustainable, adapted and profitable.**

- ✓ Pasture raised; productive, profitable livestock that are highly adapted to the rangelands. Low input animals, designed to fit the environment.
- ✓ Focus on biodiversity and ecological function and regeneration to remain productive in the long-term.

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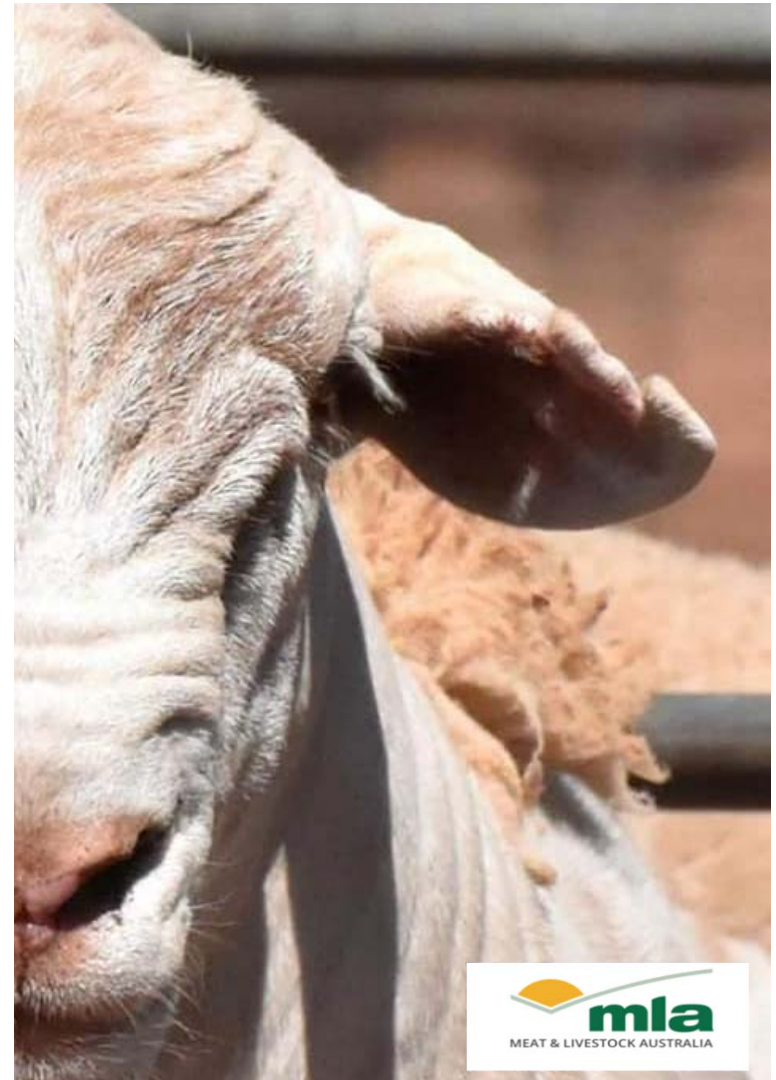


LAMBPLAN and ASBVs

- LAMBPLAN is a platform used to analyse and generate Australian Sheep Breeding Values (ASBVs).
- ASBVs are a tool to objectively benchmark the genetic capabilities and potential of animals.
- Removes environmental bias and the influence of a feeding regime.
- Electronic Identification (EID) has been critical to the effective implementation of ASBVs.

Which traits are we measuring?

- Sire and dam
- Date of birth
- Birth type and rearing type (single, twin etc.)
- Weaning weight
- Post weaning weight
- Post weaning eye muscle depth
- Post weaning fat depth
- Scrotal circumference.



Why is LAMBPLAN important?

- LAMBPLAN and ASBVs allow us to select our ideal animal, suited to our environment.
- ASBVs allow us to monitor the performance of progeny.
- Focus on an animal with a moderate frame, early growth, high fat, high muscle and high carcase yield.
- Selecting for animals with a high number of lambs weaned (NLW).



Successfully and Holistically Managing in the Rangelands

- *What's in your toolkit?*

1. Adapted livestock that thrive in a variable climate – selection through ASBVs
2. Grazing Management – Rest and Recovery
3. Infrastructure – wire and water
4. Managing for increasing groundcover and biodiversity



Successfully and Holistically Managing in the Rangelands

- *What's in your toolkit?*

1. Adapted livestock in a variable climate – selection through ASBVs

- Animals which not only survive but thrive in rangeland conditions.
- Focus on optimum production & stocking rate, not individual animals.
- ASBVs are a tool to enhance your decision making.



— Successfully and Holistically Managing in the Rangelands

2. Grazing Management – Rest and Recovery

- We aim to incorporate 180 days of rest (recovery) into grazing rotations.
- We use Maia Grazing.
- Sheep, cattle and goats are part of the tools we use to drive landscape improvement.
- Having effective grazing and recovery periods is critical to our ability to manage our environment

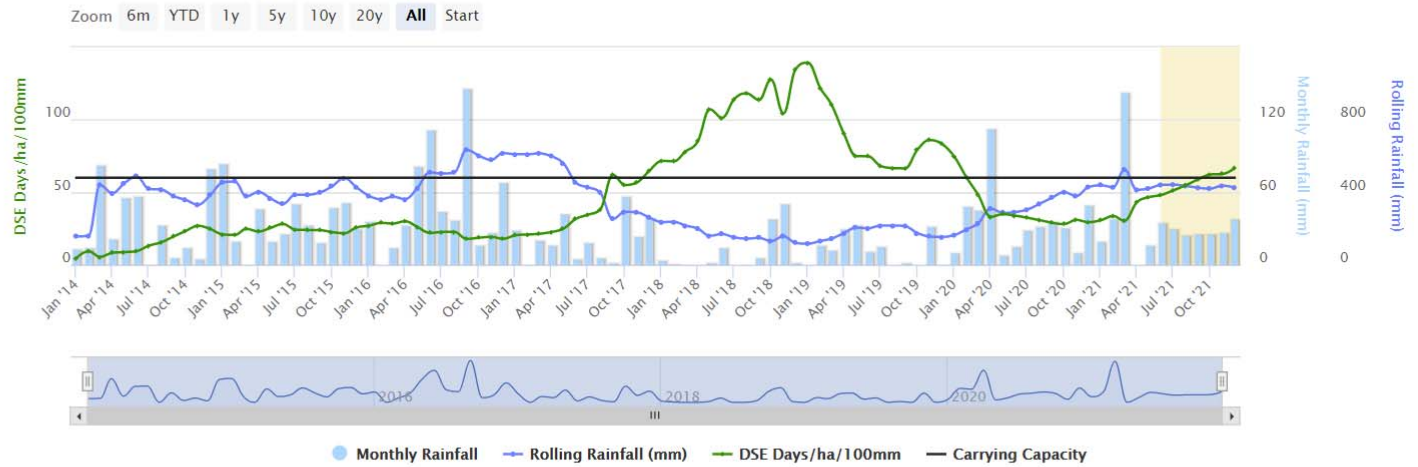


- Analytics Dashboard
- Livestock Analytics <
- Land Analytics <
- Rainfall Analytics
- Stockflow Report
- Monthly Stock Sheet
- CSV Exports

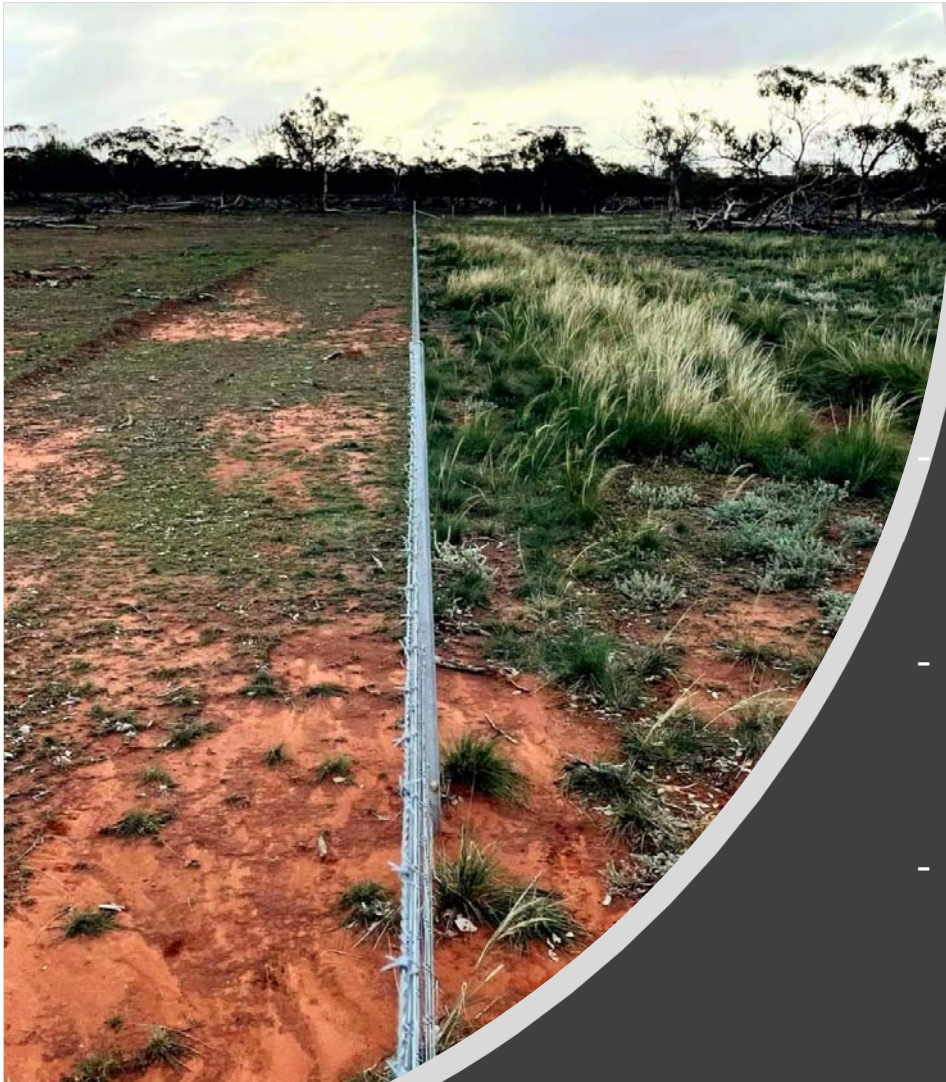
Stock days per Hectare per 100mm Rainfall

Farm Average

[View carrying capacities](#) [View forecast](#)



Stocking Rate as Percentage of Optimal



Successfully and Holistically Managing in the Rangelands

- *What's in your toolkit?*

3. Infrastructure – wire and water

- Effective grazing by having in place good wire and water infrastructure.
- We are utilising hinge joint exclusion fencing, 7-wire and 3-wire subdivisional Weston fencing.
- Currently have 50 paddocks with an aim to double in the next 3 years.





Successfully & Holistically Managing in the Rangelands

4. Managing for increasing groundcover and biodiversity

- We are focused on improving soil health (carbon), increasing native perennial grass diversity, increasing groundcover and enhancing the water, carbon and mineral cycles.
- Restoring our landscape to a natural, semi-timbered grassland.
- Biodiversity drives productivity – Mother Nature loves it.



**DESPITE ALL OF
OUR ACCOMPLISHMENTS
WE OWE OUR EXISTENCE TO
A SIX-INCH LAYER OF TOPSOIL
AND THE FACT THAT
IT RAINS.**

Take home messages

- Fencing – wire & water
- Groundcover & biodiversity
- Environmentally fit livestock
- Plan for a variable climate



Tools and resources

- Maia Grazing – grazing planning & monitoring software
- Gallagher Solar Powered Electric fence units (connects to phone)
- MLA Feedback magazine – ideas
- Soils for Life – case studies, emerging management practices
- Rangelands Living Skin Project

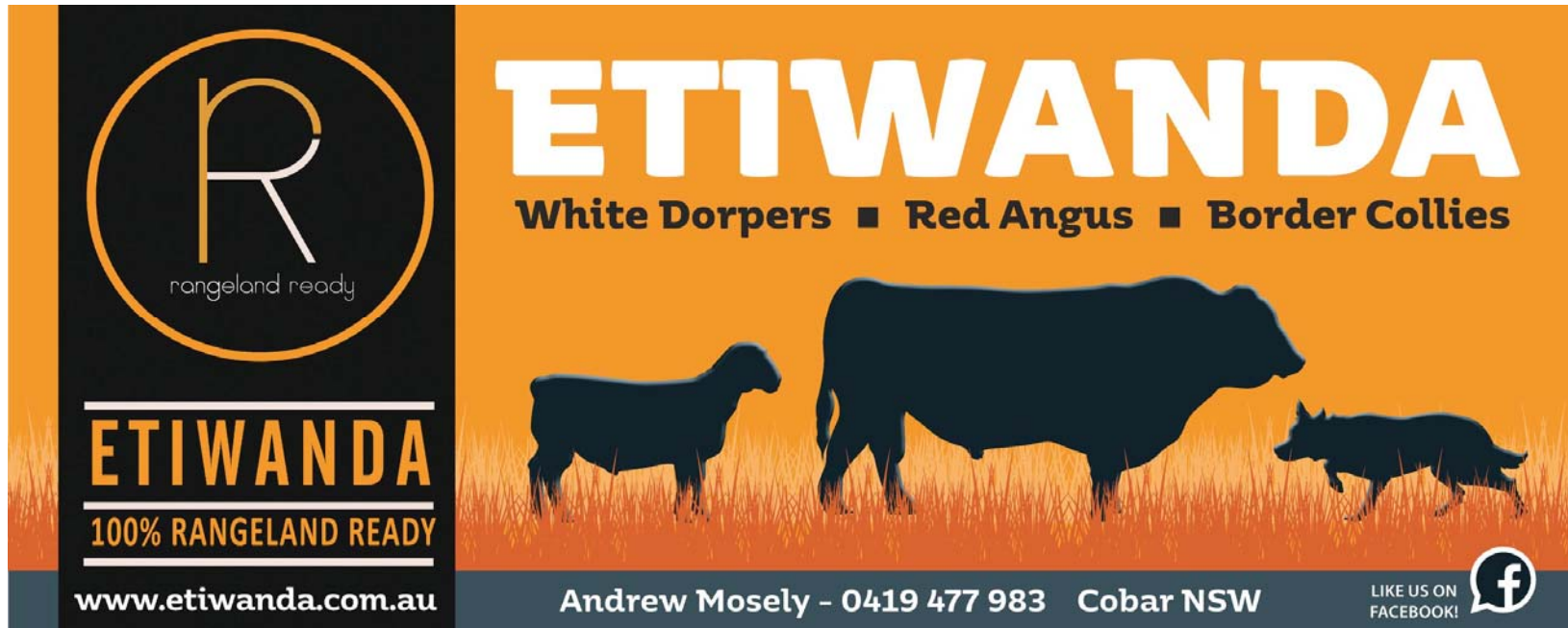


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100% RANGELAND READY



Thank You!



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White Dorpers ■ Red Angus ■ Border Collies

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