

Maximise your pasture productivity

Progardes® Desmanthus Pasture Legume for Northern Australia

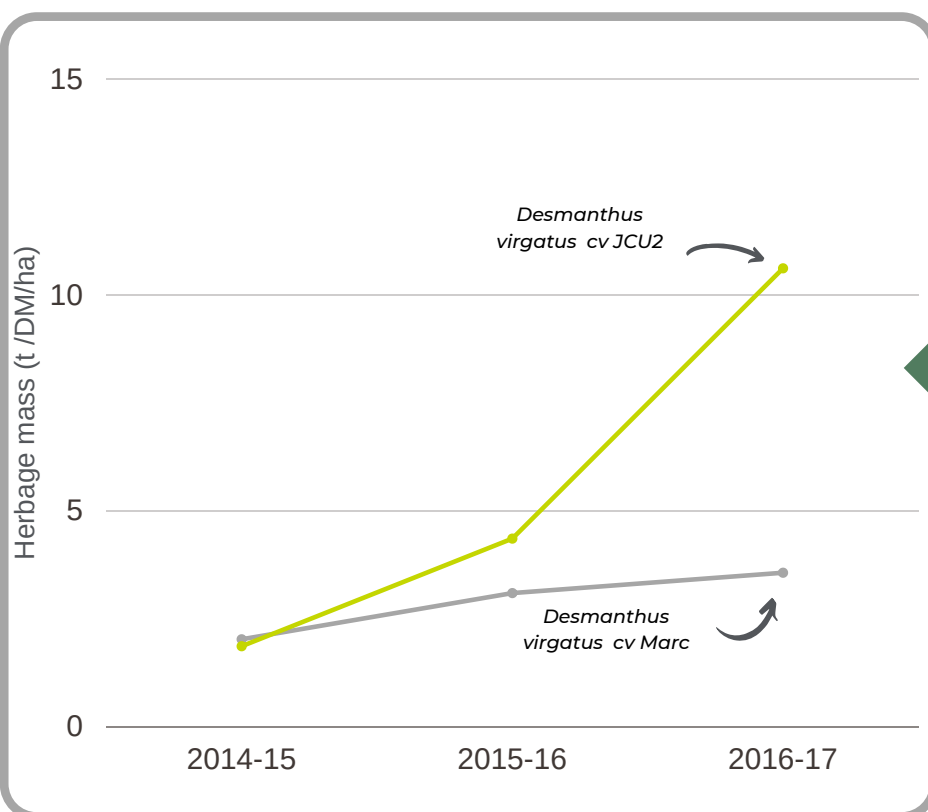


Driving Pasture Productivity

 Increased dry matter production

 Good water use efficiency

Data from a three-year NSW DPI trial (Toole et al., 2019) showed *Desmanthus virgatus* cultivar JCU2, one of five *Desmanthus* cultivars in the Progardes® blend, was the top performing tropical legume. The results showed year on year increases in dry matter production (t DM/ha) and water use efficiency (kg DM/ha/mm).



Herbage mass production

In Year 3 *Desmanthus virgatus* cv JCU2, a key component of the Progardes® blend, produced 10.6t DM/ha compared with 3.6t DM/ha produced by cv Marc

Reproduced from Toole et al. (2019), Differences in soil water dynamics and herbage production between temperate and tropical pasture species for Central West NSW. Proceedings of the 31st Conference of the Grassland Society of NSW Inc., pp 52-56.

Cultivars included in the trial: Tropical legume *Desmanthus virgatus* cv JCU2 and Marc; three temperate legumes: lucerne cv Venus, woolly pod vetch (*Vicia cilliosa*) cv Haymaker and barrel medic cv Caliph; tropical digit grass (*Digitaria eriantha*) cv Premier and a control (bare ground). Number of trials presented: 1; Number of trials that data are derived from: 1. Only data from tropical legumes are presented here.

Trial Location: Trangie Agricultural Research Centre (31° 59'45"S, 147° 56'18"E; elevation 220m).

Sowing date: 2014 (tropical legumes); 2015 (temperate legumes). Soil type: Brown Chromosol.

Mean annual rainfall: 493mm. Harvest/measure method: Herbage mass (kg DM/ha) was determined from one of 12 random quadrats, which was cut to 10mm, and dried at 80 °C for 48 hrs.

Statistics: I.s.d. (P=0.05): 2014-15 = 742kg; 2015-16 = 1208.6kg; 2016-17 = 3003.4kg



Use this QR code to obtain Toole et al. 2019 paper (under heading Pasture Productivity)



Agrimix Pastures
Driving pasture production with science & integrity

Progardes® offers excellent nutrition for livestock

- High crude protein in leaf, stem, and seed (12-20%)
- Good digestibility
- Excellent palatability
- Non-toxic: no mimosine
- Non-bloating



Easy to manage

- Progardes® is a blend of Desmanthus cultivars selected for broad adaptation and includes herbaceous and shrub-like varieties
- Does not require mechanical cutting to control height
- Compatible with sown and native grasses

It is essential that Progardes® Desmanthus is planted in accordance with the Progardes® Desmanthus Establishment Guide which can be accessed at <http://progardes.com.au/establishment>. All sales of Progardes® Desmanthus are subject to Terms of Supply, which can be accessed via <http://progardes.com.au/terms/>

Disclaimer: All information, including any trial results, provided by Agrimix Pastures is considered accurate at the time of publication. The performance and results achieved using Progardes® Desmanthus may vary depending on factors including climatic conditions, soil composition, application methods and farming practices.



Progardes® is a composite of Desmanthus varieties and includes materials covered by Plant Breeders' Rights (refer to the packing label on seed bag for details). Plant Breeders' Rights provide exclusive commercial rights and control over the materials, which they cover. Unauthorised commercial propagation or any sale, conditioning, export, import or stocking of propagating material is an infringement under the Plant Breeder's Rights Act 1994 (Cth). PROGARDES is a Registered Trademark owned by Agrimix Pastures Pty Ltd.

Keys to successful establishment

1. Plant in clay-rich soils
2. Ensure neutral to alkaline pH
3. Store soil moisture
4. Manage competition

Adapted to a broad range of harsh environments

- Deep tap-rooted legume
- Superior genetics selected from JCU and Agrimix Pastures breeding program
- Widely tested and proven
- Drought tolerant, with good water use efficiency
- Tolerant of frost, fire, and heavy grazing
- Persistent
- Perennial
- Excellent seed recruitment
- Suited to clay-rich soils with neutral to alkaline soil pH, including Brigalow, Gidgee, Belah and Downs landtypes

Broadacre establishment improves your whole of paddock performance

- Progardes® increases long term pasture dry matter quality and quantity through nitrogen fixation, nutrient cycling and improved C:N soil ratio
- Reduces ongoing renovation and supplementation costs



FOR MORE INFORMATION

1300 979 395

0429 820 388

admin@agrimix.net.au

www.agrimixpastures.com.au

© Agrimix Pastures Pty Ltd.
Last updated April 2021