

# BURRINJUCK<sup>®</sup> SOYBEAN

The information in this document is current as at August 2021.

For updated information after this date, please refer to NSW DPI

## VARIETY SUMMARY

- Suitable for southern soybean growing regions: from the Murrumbidgee River in NSW to northern Victoria.
- High yielding soybean variety with excellent seed quality and agronomic characteristics.
- Compact plant structure, clean leaf drop and strong lodging resistance assist ease of harvest.
- Relatively late maturing so needs to be planted early in the southern sowing window (before end November) to maximise yield.

## BREEDING

Burrinjack was bred by Dr Andrew James, CSIRO and evaluated by Mathew Dunn, Luke Gaynor and Mark Richards, NSW DPI for the Australian Soybean Breeding Program.

## MATURITY

Burrinjack is an intermediate maturing soybean suited to a range of sowing dates in the southern region.

- Southern NSW (early Nov-late Dec)
- Northern Victoria (early Nov-mid Dec)

On average Burrinjack matures four days earlier than Snowy and two days later than Djakal.

## PLANT CHARACTERISTICS

Burrinjack has a compact, erect plant type with a clean leaf drop and good stem dry down. Burrinjack's lodging resistance is superior to that of both Snowy and Djakal.

## GRAIN QUALITY

Burrinjack has a clear hilum, large seed size and high protein content. These characteristics allow market access to high value human consumption markets. In processing for human consumption, Burrinjack appears to perform like Snowy, however, is generally superior due to its larger seed size and higher protein content.

## GRAIN YIELD

Burrinjack has performed well across a range of field trials and seasons, consistently achieving grain yields well above Snowy and similar to Djakal.

Table 1. Burrinjack compared to Djakal and Snowy in southern NSW replicated trials (source NSW DPI)

Variety	Average 16 trials with various sowing times at Yanco & Coleambally from 2012-17			Sowing time trials at Leeton in 2019/20 season					
				Sown 18 <sup>th</sup> November			Sown 17 <sup>th</sup> December		
	Grain yield t/ha	Grain protein %	Seed size g/100 seeds	Grain yield t/ha	Grain protein %	Seed size g/100 seeds	Grain yield t/ha	Grain protein %	Seed size g/100 seeds
Burrinjack	3.61	44.1	24.0	4.14	40.5	20.8	3.35	41.2	21.7
Djakal	3.52	40.1	20.9	4.09	38.5	18.8	3.63	38.9	18.4
Snowy	2.89	42.5	22.4	3.02	38.6	20.3	3.17	41.4	20.7

  

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	Lodging at harvest 0=none 5=severe	Maturity Days from sowing to 95% physiological maturity	Lodging at harvest 0=none 5=severe	Maturity Days from sowing to 95% physiological maturity	Lodging at harvest 0=none 5=severe	Maturity Days from sowing to 95% physiological maturity
Burrinjack	1.3	121	0.2	129	0.0	118
Djakal	1.8	119	3.1	129	2.1	111
Snowy	2.8	125	1.3	126	1.4	113

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An End Point Royalty of \$6.00 per tonne (+GST), which includes breeder royalties, applies to this variety.

## ACKNOWLEDGEMENTS

Burrinjack was bred and developed by the Australian Soybean Breeding Program collaboration between the NSW Department of Primary Industries, CSIRO and GRDC.



Department of  
Primary Industries



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