

DBA MATAROI[®] DURUM WHEAT

VARIETY SUMMARY

- High yielding, quick maturing durum wheat
- Higher grain yield than current Tamworth varieties and comparable to Westcourt
- Grain, semolina and pasta making quality comparable to Caparoi
- Low screenings, similar to Caparoi

BREEDING

DBA Mataroi was bred by the NSW DPI node of Durum Breeding Australia (DBA) at the Tamworth Agricultural Institute, under the breeder code TD1602.

Pedigree: 234194/YAWA

AREA OF ADAPTATION

DBA Mataroi is adapted to the dryland durum producing areas of New South Wales (including western NSW) and Queensland.

DBA Mataroi is currently not recommended for high input irrigated cropping systems without appropriate management.

MATURITY

DBA Mataroi is an early-mid maturing durum. It's heading maturity was similar to Jandaroi at Tamworth in 2020.

Suggested sowing time in the northern region is late May to the end of June.

PLANT TYPE

DBA Mataroi has erect plant growth. It has a medium stature and straw strength similar to Caparoi.

GRAIN QUALITY

DBA Mataroi produces grain of similar size to Caparoi and has shown low screenings similar to Caparoi.

DBA Mataroi shows similar grain protein compared with Caparoi. It readily achieves 13% grain protein.

DBA Mataroi has been classified ADR by Wheat Quality Australia (WQA) for the Northern classification zone (includes Northern NSW and QLD).

DISEASE RESISTANCE RATINGS

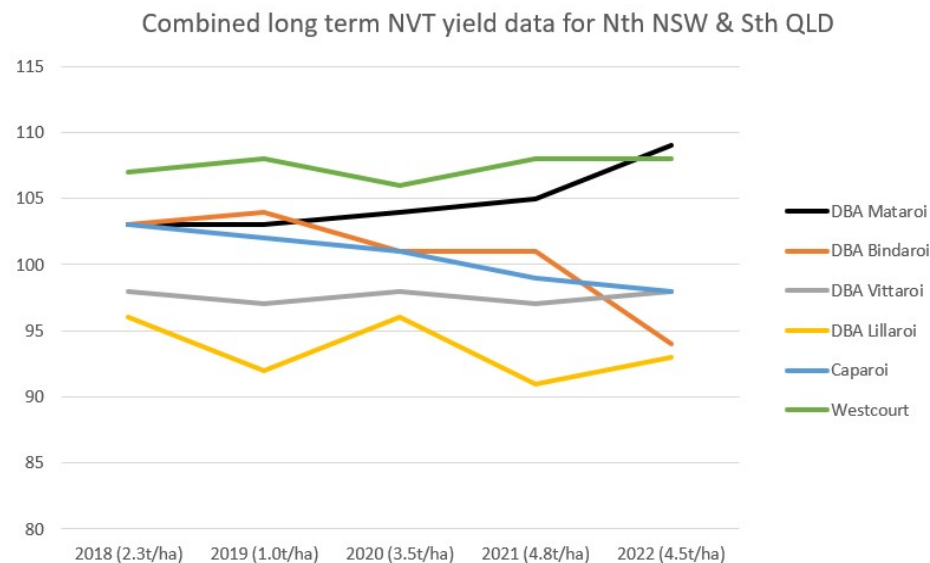
2023 Disease ratings for DBA Mataroi compared with other northern region durum varieties

(Source: NVT Disease ratings online: nvt.grdc.com.au/nvt-disease-ratings.)

Variety	Stem rust	Leaf rust	Stripe rust (2023 east)	Prat. neglectus resistance	Prat. neglectus tolerance	Yellow leaf spot	Spetoria tritici	Crown rot	Black point
DBA Mataroi	MR	MR	MS	MS	MT	MRMS	MSS	SVS	MS
DBA Bindaroi	MR	MR	MS	MRMS	MI	MRMS	MS	SVS	MRMS
DBA Vittaroi	MR	RMR	MS	MS	I	MRMS	MSS	SVS	MSS
DBA Lillaroi	RMR	RMR	MS	MRMS	MI	MRMS	S	SVS	MS
Caparoi	MR	RMR	MS	MS	MI	MR	MRMS-S	VS	MSS
Westcourt	RMR	RMR	MR	MS	MI	MRMS	S	VS	MSS

GRAIN YIELD AND QUALITY DATA

Data from NVT Online Long Term MET Yield Reporter: nvt.grdc.com.au



NVT grain quality average QLD & Nth NSW 2018-22

Variety	Protein (%)	Screenings (%)
DBA Mataroi	13.5	2.3
DBA Bindaroi	13.6	2.1
DBA Vittaroi	13.6	1.7
DBA Lillaroi	14.1	1.2
Caparoi	13.5	1.8
Westcourt	13.1	1.3

DBA Mataroi grain and end product quality compared with WQA check varieties in 2014–2018 DBA trials

Variety	TW	TGW	GP	WG	HVK	SCR	Ash	SY	b*	MPT	RBD	GI	Pasta colour	Pasta texture
DBA Mataroi	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Below average	Good	Good	Good
EGA Bellaroi	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Below average	Below average	Good	Good
Caparoi	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
Jandaroi	Good	Good	Good	Good	Good	Good	Good	Good	Below average	Good	Good	Good	Below average	Good

■ Excellent ■ Good ■ Below average

TW=test weight, kg/hl; TGW=1000 grain weight, g; GP=grain protein, 11%mb; WG=wet gluten %; HVK=grain vitreousness; SCR=screenings %; Ash=semolina ash, 14%mb; SY = semolina yield, b* = yellow index, RBD=mixograph resistance breakdown (stability); GI=gluten index; Pasta colour=rank for dry and cooked pasta colour; Pasta texture=comprises firmness, stickiness and overcooking tolerance score

AGRONOMIC GUIDELINES

Sowing

Aim to achieve plant densities of 75–120 plants/m². Lower densities are recommended in areas of lower rainfall.

Good paddock selection as well as integrated disease management may help to minimise the impact of crown rot and maximise yield.

Nutrition

Whilst DBA Mataroi readily achieves 13% grain protein, nitrogen management is still critical to achieving grain protein levels required for high quality durum.

Weed Control

DBA Mataroi has no known sensitivities to herbicides registered for durum wheat.

PLANT BREEDERS RIGHTS & END POINT ROYALTIES

Mataroi is protected by Plant Breeders Rights. Any unauthorised commercial propagation or any sale, conditioning, export, import or stocking of propagating material of this variety is an infringement under the Plant Breeder's Rights Act, 1994.

Growers are allowed to retain seed from production of this variety for their own use as seed only.

An End Point Royalty of \$3.85 per tonne (GST inclusive), which includes breeder royalties applies to this variety.

ACKNOWLEDGEMENTS

DBA Mataroi was bred and developed by NSW DPI Tamworth Agricultural Institute, with support from growers through the GRDC under Durum Breeding Australia.



DISCLAIMER: The information in this document is current as at May 2023. For information after this date please refer to National Variety Trials. The material contained in this document is from official and other sources and is believed to be accurate. It is provided in good faith and every care has been taken to ensure its accuracy and reliability. Seednet acknowledges that performance of varieties may vary under different climatic conditions and other natural causes from season to season. Subject to terms and condition that cannot be excluded by law, Seednet does not take any responsibility for the variation of performance of this variety arising under such circumstances or your acceptance of recommendations or suggestions made in this Information Sheet.