

DURACK OATS



350mm+



5.0-8.0



Most Soil Types



PBR



\$2.30/t + gst (TBC)

- Potential milling variety
- Dual purpose Hay / Grain potential

KEY FEATURES

- Maturity – Early maturing (minimum 1 week earlier than Carrolup, Williams & Bannister)
- Excellent grain quality with low screenings and high groat percentage
- Establishment – Very good early vigour
- Resistant to CCN R

ADVANTAGES

- Widely adaptable – suited to mid to low rainfall areas
- Stands tall – Good lodging resistance
- Competitive yield similar to Carrolup and Yallara

BENEFITS

- Bred and selected to give growers in non traditional, lower rainfall regions a suitable option
- Retains excellent grain quality even in a tough finish
- Offer growers in medium to high rainfall zones a good option in case of a late break



DESCRIPTION

Durack Oats (triallyed as WA02Q302-9) is a moderately tall variety similar in height to Carrolup and Yallara measuring between 80 and 90cm. It is a short season variety (7 to 10 days earlier in maturity) than Carrolup, Williams or Bannister which makes it suitable to low to medium rainfall areas and late planting in high rainfall zones. Durack Oats has good lodging and shattering resistance and good early vigour. Grain yield is similar to other tall varieties like Carrolup and Yallara across all states and an improvement compared to tall varieties bred for hay. Overall grain quality is excellent with good hectolitre weight and protein.

ESTABLISHMENT

The recommended planting rate for Durack Oats is 60-70kg per hectare. Sowing rates are related to the end use targeted and expected rainfall. For hay production rates should be increased. Ideal sowing time varies from region to region with early to mid May being the standard. The variety will offer growers an option for later plantings for weed control or late breaks in the traditional oat growing areas.



PERFORMANCE

Average Grain Yield t/ha (2010/2014)					
Variety	States				
	NSW	SA	VIC	WA	All Zones
Durack (tall)	3.5	2.9	3.2	3.2	3.2
Bannister	3.9	3.4	4.1	3.8	3.7
Carrolup (tall)	3.4	2.9	3.3	3.1	3.1
Echidna	3.6	3	3.4	3.2	3.2
Mitika	3.7	3.1	3.5	3.4	3.4
Possum	3.6	3.1	3.5	3.5	3.4
Williams (tall)	3.9	3.4	4.2	3.8	3.7
Yallara (tall)	3.5	2.8	3.3	3.2	3.1

Quality Specifications						
Variety	Hectolitre Weight kg/hl	1000g grain weight g	Screenings % <2 mm	NIR Protein %	NIR Oil %	NIR Groat %
Durack (tall)	51.9	35.2	10.0	12.5	7.2	72.7
Bannister	49.2	33.1	12	10.9	7.7	71.0
Carrolup (tall)	50.7	34.6	14.4	11.9	6.5	72.4
Echidna	48.2	32.2	12.5	11.1	7.5	70.8
Mitika	49.9	36.2	8.3	12.2	7.3	72.8
Possum	47.9	34.9	20.9	11.5	6.5	71.2
Williams (tall)	48.1	32.0	15.9	10.9	7.5	69.4
Yallara (tall)	50.2	34.6	8.9	10.8	5.6	74.7

Data courtesy National Oat Breeding Program, NVT programs in SA, VIC, NSW and CUT program in WA. Analysis by Chris Lisle, SAGI.

2015 NVT t/ha	SA	SA	SA	SA	NSW	NSW	NSW	VIC	VIC	VIC
	Mid North	Murray Mallee	South East	Yorke P	N/E	S/E	South West	North Central	North East	S/W
Durack (tall)	2.6	0.7	2.5	2.2	3.5	3.5	3.6	0.9	2.7	3.7
Bannister	3.5	0.9	2.6	2.1	3.1	3.5	4.2	0.9	2.6	4.2
Carrolup (tall)	2.5	0.1	2.3	1.2	3.0	3.10	3.7	0.6	2.0	2.9
Kojonup	3.4	0.7	2.3	1.8	2.8	3.1	4.1	0.7	2.4	3.8
Mitika	3.3	0.8	2.6	2.4	3.3	3.5	3.9	0.9	2.7	4.1
Wandering	3.4	1.1	2.7	2.4	2.7	4.1	3.3	1.0	2.2	4.3
Williams (tall)	3.5	1.0	2.4	1.9	2.9	3.4	4.2	0.9	2.5	4.1
Yallara	2.3	0.6	2.4	1.7	3.3	3.5	3.5	0.8	2.3	3.3

Average Hay Yield t/ha 2011-2014					
Variety	New South Wales	South Australia	Victoria	Western Australia	All States
Durack (tall)	11.3	9.8	10.2	8	9.3
Bannister	11.5	10.4	10.2	9.9	10.2
Carrolup (tall)	11.6	9.9	10.5	8.8	9.7
Williams tall)	11.3	10.0	10.1	8.9	9.7
Yallara (tall)	12.3	10.7	10.5	9.5	10.3

HAY QUALITY

Average hay quality for seven oat varieties and three breeder's lines for trials conducted in three states during the period 2011 to 2015.

Variety	Digestibility (%dm)	WSC* (%dm)	ADF* (%dm)	NDF* (%dm)	Crude Protein (%dm)
Early – Mid Season Varieties					
Durack (tall)	61.7	24.6	32.2	53.1	8.1
Bannister	64.4	25.5	29.6	51.6	8.4
Carrolup (tall)	61.6	26.0	31.7	52.2	7.9
Wallaroo	62.7	25.6	31.7	52.7	8.0
Wandering	64.4	25.1	30.0	51.5	8.3
Williams (tall)	62.1	22.9	31.5	53.5	8.7
Wintaroo	62.1	24.6	32.3	53.3	7.9

Data courtesy National Oat Breeding Program.
Analysis by Luke Mazur & Chris Lisle, SAGI.



Durack Oats – sown on the 7th May at Kerang'
(Picture courtesy Trevor Bray, Unigrain Pty Ltd)

DISEASE & PEST RESISTENCE

Variety	SA and Victoria		New South Wales	
	Stem rust	Leaf rust	Stem rust	Leaf rust
	Field	Field	Field	Field
Durack (tall)	S-VS	R-S		
Bannister	MR-S	R	MS-S	MR-S
Carrolup (tall)	S	VS	S	S-VS
Echidna	S	S	S	S
Mitika	MR-S	R	MR-S	MS-S
Possum	MS-S	MS	S	MS-S
Williams tall)	MR-S	R	MR	MR
Yallara (tall)	MR-S	R	MR-MS	MS-S

South Australia and Victoria						
Variety	Septoria	Bacterial Blight	Red leather leaf	CCN R	CCN T	Stem Nematode
Durack (tall)	MS	MR-S	MS	R	MI-MT	I
Bannister	-	MR-S	MS	VS	I	MI
Carrolup (tall)	MR	MR-S	S	S	I	VI
Echidna	S	S	MS	S	I	MT
Mitika	S	MR	S	VS	I	I
Possum	MS	S	MS-S	VS	I	I
Williams tall)	-	R	MS	S	I	I
Yallara (tall)	MS	MR-MS	MS	R	I	I



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