

Fact Sheet

Bilby Oats

NSW, VIC, SA

Milling Oat



Rainfall – 400mm +



5.0 – 8.0



Soil Types – Most



PBR

EPR - \$2.50/t + gst (TBC)

Milling Approved (WA),
Potential Milling (SA, NSW, VIC)

Sowing rate – 60-70 kg p/h

Timing – Early to mid May

Bilby is a highly promising potential milling oat variety from the SARDI National Oat Breeding Program. It is early / mid season in maturity which will suit most traditional oat growing areas of Australia. It is dwarf in stature with excellent yield potential similar to Bannister and Williams. Bilby has excellent grain quality with high groat percent and high levels of B-glucan which is desirable for marketers.

Bilby can offer growers a high yielding variety with grain quality marketers require. It is approved for milling in Western Australia and is currently undergoing milling evaluation in the Eastern states.

Key features

- High grain yield potential
- High B-glucan
- Bright grain colour

Key benefits

- Low screenings
- Excellent grain quality
- High groat percentage

Performance

Average Grain Yield (2014-18) NVT Data t/ha

Variety	NSW	SA	VIC	WA	All Zones
Bilby	3.8	3.8	4.1	3.7	3.8
Kowari	3.6	3.6	3.8	3.4	3.6
Durack (tall)	3.3	3.2	3.4	3.1	3.2
Mitika	3.5	3.5	3.6	3.3	3.4
Williams (tall)	3.7	3.6	4.1	3.9	3.8
Bannister	3.8	3.8	4.3	3.9	3.9
Carrolup (tall)	3.5	3.2	3.4	3.3	3.3
Yallara (tall)	3.2	3.0	3.4	3.2	3.2

Average Grain Yield (2014-18) NVT Data t/ha

Variety	South Australia			
	Yorke P	Mid North	South East	Murray Mallee
Bilby	4.0	4.1	4.0	2.0
Kowari	3.7	3.8	3.7	1.9
Durack (tall)	3.0	3.4	3.3	1.7
Mitika	3.6	3.7	3.6	1.8
Williams (tall)	3.5	3.9	3.8	2.0
Bannister	3.9	4.0	4.0	2.0
Carrolup (tall)	3.1	3.2	3.4	2.3
Yallara (tall)	2.7	3.2	3.2	1.6

Data courtesy of National Oat Breeding Program, NVT programs in SA, VIC, NSW and WA – Analysis by Chris Lisle CBB.

Performance

Average Grain Yield (2014-18) NVT Data t/ha

Variety	Victoria			New South Wales		
	North Central	North East	South West	North East	South East	South West
Bilby	3.4	3.8	5.1	2.9	4.0	3.8
Kowari	3.1	3.6	4.7	2.9	3.8	3.6
Durack (tall)	2.8	3.3	4.0	3.0	3.5	3.2
Mitika	3.0	3.5	4.5	2.9	3.7	3.4
Williams (tall)	3.5	3.9	5.0	3.0	3.9	3.7
Bannister	3.6	4.0	5.3	2.9	4.0	3.8
Carrolup (tall)	2.6	3.4	4.2	3.0	3.8	3.2
Yallara (tall)	2.9	3.3	4.0	3.0	3.3	3.1

Quality Specifications

(combined SA, VIC, NSW & WA Data 2014 - 2018)

Variety	Hectolitre weight kg/hl	1000g Grain weight	Screenings % < 2mm	NIR Protein %	NIR Oil %	NIR Groat %	Hull Lignin
Bilby	47.9	37.2	6.7	11.7	6.5	73.6	High
Kowari	49.8	36.1	5.5	12.1	7.3	73.7	Low
Durack (tall)	48.5	34.7	6.3	12.3	7.2	72.8	High
Mitika	50.4	37.1	4.3	11.9	7.3	73.2	Low
Williams (tall)	51.0	34.3	9.4	10.9	7.4	70.8	High
Bannister	49.5	35.7	7.5	10.7	8.0	72.2	High
Carrolup (tall)	47.7	35.0	7.9	11.8	6.5	73.2	High
Yallara (tall)	49.6	34.9	5.4	10.9	5.8	74.2	High

Disease & Pest Resistance

Variety	SA & VIC		New South Wales	
	Stem rust Field	Leaf rust Field	Stem rust Field	Leaf rust Field
Bilby	S	R	-	-
Kowari	MR-S	R	MR-S	MS-S
Durack (tall)	S	R-S	R-S	MR-MS
Mitika	MR-S	MS	S	MS-S
Williams (tall)	MR-S	R	MR	MR
Bannister	MR-S	R	MS-S	MR-S
Carrolup (tall)	S	VS	S	S-VS
Yallara (tall)	MR-S	R	MR-MS	MS-S

Disease reactions from field trials conducted in VVA where R = resistant, MR = moderately resistant, MS = moderately susceptible, S = susceptible, VS = very susceptible. Rust reactions may vary in different regions depending on the prevailing pathotypes.

Variety	Septoria	Bacterial Blight	Red leather leaf	CCN R	CCN T	Stem Nematode
Bilby	S	MS	S	S	-	-
Kowari	S	MR	S	VS	I	I
Durack (tall)	MS	MR-S	MS	R	MI-MT	I
Mitika	S	MR	MS-S	VS	I	I
Williams (tall)	MR-MS	R	MS	S	I	I
Bannister	S	MR-S	MS	R	MI	MI
Carrolup (tall)	MR	MR-S	S	S	I	VI
Yallara (tall)	MS	MR-MS	MS	R	I	I

Disease reactions where R = resistant, MR = moderately resistant, MS = moderately susceptible, S = susceptible, VS = very susceptible, T = tolerant, MT = moderately tolerant, I = intolerant



Department of Primary Industries and Regional Development

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