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Eastern States version - June 2023

The information in this document is current as at June 2023.
For updated information after this date, please refer to NVT results.

Koala$^{\phi}$ oats

BRED BY South Australian Research and Development Institute

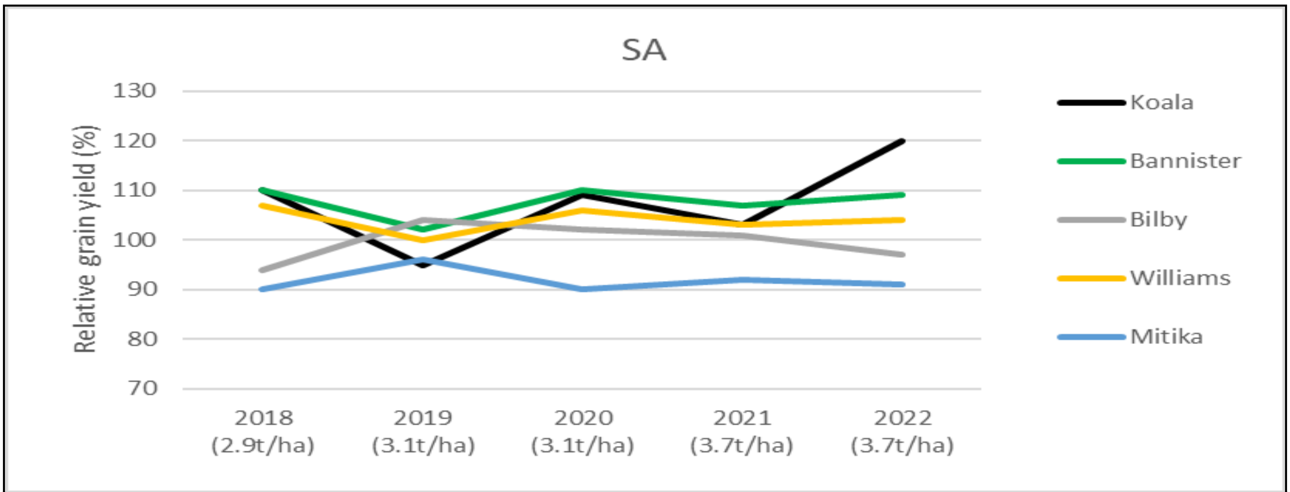
KEY FEATURES

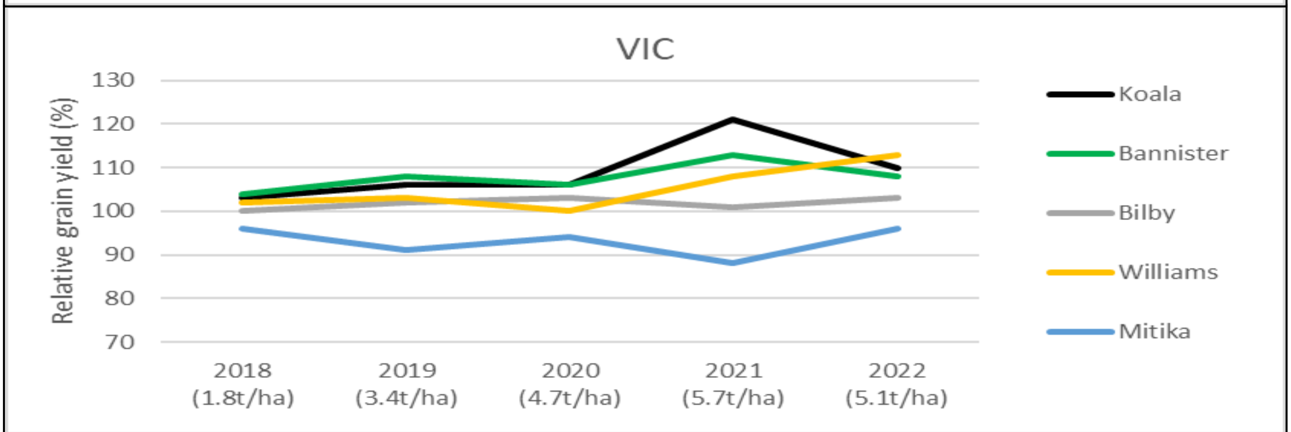
- **High yielding grain oat**
- **Medium-tall plant height with mid-long growing season**
- **Accepted for milling evaluation**

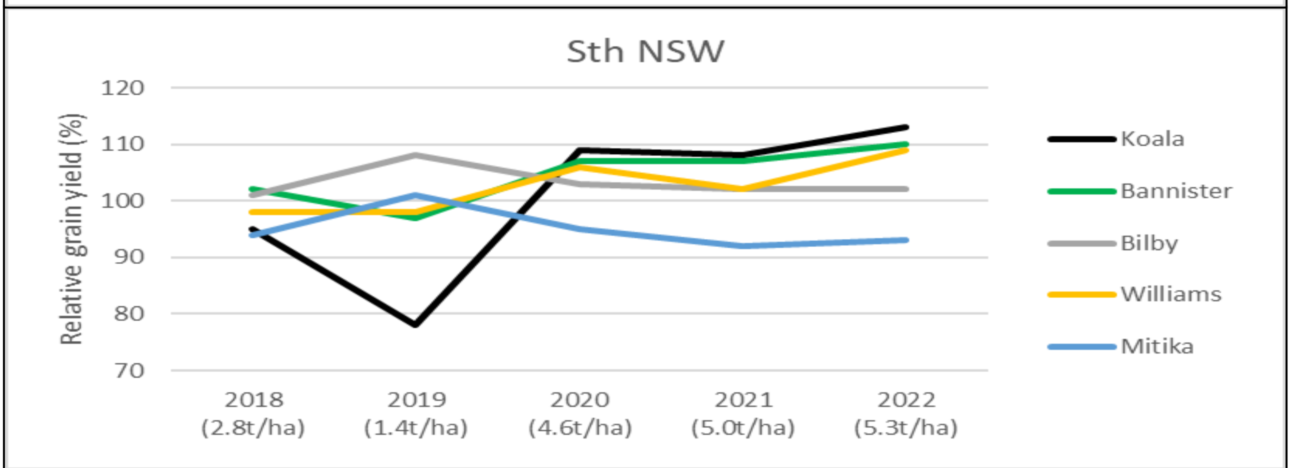
YIELD DATA

Long term (2018-22) NVT yield performance across all sites for state

Source: NVT







DISEASE RESISTANCE RATINGS 2023 - SA, VIC and Southern NSW

Source: NVT Disease ratings

Variety	Crown rust (sth)	Stem rust	Bacterial blight	BYDV	CCN	Prat Neg	Prat Thorn	Red Leather	Septoria blight	Stem nematode	
										Res	Tol
Koala	**MSS**	**MSS**	**S**	**MSS**	**R**	**MS**	**MRMS**	**S**	**MSS**	**S**	**MT (p)**
Bannister	MS	S	SVS	S	S	S	S	MS	S	S	MI
Bilby	MRMS	S	MSS	MSS	S	MRMS	MRMS	MS	MSS	S	MI (p)
Williams	MSS	S	S	MS	MR	MS	MS	MSS	MSS	MRMS	MT
Mitika	MSS	S	S	SVS	VS	S	MS	SVS	SVS	S	MI (p)

(p) provisional

GRAIN QUALITY 2018-22 - SA, VIC and Southern NSW NVT

Source: NVT

Variety	Screenings (<2.0mm)			Test Weight (kg/hl)			Protein (%)		
	SA	VIC	Sth NSW	SA	VIC	Sth NSW	SA	VIC	Sth NSW
Koala	**8.1**	**11.5**	**11.6**	**53.9**	**48.7**	**50.0**	**11.0**	**11.0**	**11.0**
Bannister	9.0	12.0	11.2	53.9	49.2	50.6	11.7	11.7	11.5
Bilby	7.0	9.4	8.4	54.0	50.2	51.3	12.5	12.3	12.2
Williams	11.0	13.6	15.6	53.3	49.4	50.8	12.3	11.9	12.0
MItika	5.9	7.6	6.9	54.0	49.5	52.8	12.7	12.6	12.4

Grain quality data provided by National Oat Breeding program from trials 2015-19* (WA, SA, VIC, NSW)

*Note that the data from the National Oat Breeding Program is from a previous time when it was managed by SARDI

Variety	Hectolitre wt (kg/hl)	1000 grain weight (g)	Screenings % (<2mm)	NIR protein %	NIR Oil %	NIR Groat %
Koala	**49.0**	**35.0**	**2.5**	**10.1**	**7.7**	**71.9**
Bannister	49.2	35.0	2.5	10.7	7.8	72.4
Bilby	48.7	37.5	2.4	11.8	6.4	73.8
Williams	48.3	34.0	2.7	11.0	7.2	71.2
Mitika	49.5	36.8	1.9	12.0	7.1	73.3
Yallara	49.8	35.0	2.1	10.9	5.6	74.6

Variety	Minolta-L	B-glucan (dry basis)	Groat % (by de-hulling)	Hull lignin	Comment
Koala	**58.9**	**4.4**	**71.3**	**Mod-low**	May be attractive to feed end users due to potentially higher digestibility
Bannister	58.7	4.7	70.3	High	
Bilby	58.3	5.4	73.3	High	
Williams	61.5	5.2	69.2	High	
Mitika	63.0	4.9	74.0	Low	Attractive to feed end users due to higher digestibility
Yallara	60.9	4.3	76.8	High	

Breeding
Koala was developed by SARDI with support from the Grains Research and Development Corporation. Its breeder code was 09143-35 and its pedigree includes Bannister, Mitika and Possum.

Government of South Australia
Department of Primary Industries and Regions

SARDI
SOUTH AUSTRALIAN RESEARCH AND DEVELOPMENT INSTITUTE

GRDC
GRAINS RESEARCH & DEVELOPMENT CORPORATION

Plant Breeders Rights and Royalty
Koala is protected by Plant Breeders Rights. An End Point Royalty of $2.50 +GST per tonne applies to grain production

For more information call Stuart Ockerby 0448 469 745 or Seednet on 1300 799 246 or visit www.seednet.com.au