

# Yallara<sup>®</sup> Oats - WA




## Seed Fact Sheet



### Key Features & Benefits

- ✓ Yallara is a dual purpose medium-tall premium oat for grain and domestic hay
- ✓ Yallara has early-mid maturity and is suited to growing in low - medium/high rainfall zones
- ✓ Yallara has a 4% average grain yield advantage over Carrolup in all Agzones tested
- ✓ Yallara is Resistant to Stem and Leaf Rust
- ✓ Yallara has tested to be of high quality domestic Hay (WSC/Digestibility)
- ✓ Yallara has good early vigour that could provide an opportunity for grazing
- ✓ Yallara is similar in maturity, height and lodging resistance to Carrolup
- ✓ Yallara is less prone to shattering at harvest compared to Carrolup - timely harvest is important with any tall variety
- ✓ Yallara has good physical grain quality - low screenings, a moderate-high groat percentage and hectolitre weight
- ✓ Yallara has bright grain (high Minolta L) and high grain digestibility for the livestock and horse feed industry
- ✓ Yallara has a low grain oil content and moderate-high hull lignin
- ✓ Yallara has resistance to CCN, intermediate resistance to bacterial blight, is moderately susceptible to BYDV, susceptible to Septoria, and intolerant to stem nematode

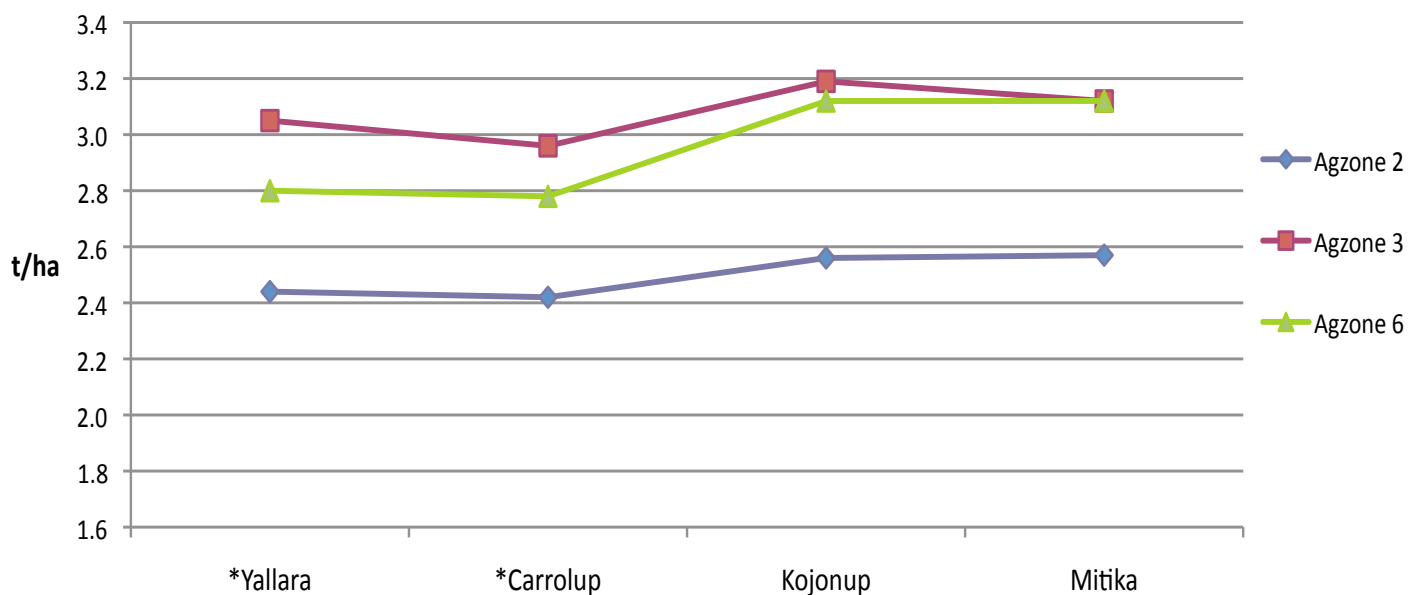
### Yearly Rainfall:

	 Low <380	 Med 380-480	 High >480
	Yallara	Yallara	Yallara
Time of sowing	early May	early-mid May	mid-late May



# Variety Specific Agronomic Information

## NVT Long Term (2000-2009) Mean Regional Grain Yield - t/ha



\*denotes tall variety

Trial sites across years: Badgingarra, Wongan Hills, Muresk, Katanning, York, Kunjin, Congelin, Williams, Darkan, Mt Barker, Tunney, Coomalbidgup, Esperance.  
(Source: National Oat Breeding Program - NVT/CVT/GRDC)

## Grain Quality

Variety	Hectolitre weight (kg/hl)	Screenings (%<2mm)	Protein (%)	Oil (%)	Groat (%)	Minolta-L	Digestibility (%DDM) <sup>1</sup>	B-glucan (dry basis) <sup>2</sup>
Yallara	50.6	9.0	10.6	4.8	74.9	59.7	72.8	4.8
Carrolup	51.2	14.8	11.6	5.8	73.3	59.0	72.0	5.2
Mitika	50.0	8.8	12.0	6.3	74.6	57.3	73.4	5.4
Kojonup	49.3	11.3	11.8	5.8	76.7	59.4	73.1	5.3
*Wandering	50.0	11.6	11.5	6.1	72.3	60.5	70.6	4.8

\* denotes feed variety.

<sup>1</sup> Digestibility based on data from 2003-2006;

<sup>2</sup> B-glucan based on data from 2004-2008

(Source - National Oat Breeding Program - WA mean data 2005-2009)

## Disease Profile

Variety	Stem rust <sup>1</sup>	Leaf rust <sup>1</sup>	BYDV <sup>1</sup>	Septoria <sup>1</sup>	Bacterial blight <sup>1</sup>	CCN R <sup>1</sup>	CCN T <sup>2</sup>	Stem Nematode <sup>2</sup>	Red leather leaf <sup>1</sup>
Yallara	MR	R	MS	S	MR-MS	R	I	I	MS
Carrolup	MS	S	MS	S	S	S	I	I	MR-MS
Kojonup	MS	VS	MS	S	S	VS	I	I	MS
Mitika	S	R	S	S	MR	VS	I	I	MS
Wandering	VS	VS	MR	S	S	VS	I	I	MS

<sup>1</sup> Disease reactions where R= resistant, MR=moderately resistant, MS=moderately susceptible, S= susceptible, VS=very susceptible

<sup>2</sup> T=tolerant, MT= moderately tolerant, MI=moderately intolerant, I=intolerant

(Rust reactions may vary in different regions depending on the prevalent pathotype) (Source: National Oat Breeding Program)

In seasons where Stem Rust is present, yield increases of 40-100% have been recorded for varieties with resistance similar to Yallara.

## Plant Profile

Variety	Height (cm)	Days to heading from Carrolup	Lodging (%)	Strawangle <sup>1</sup>	Shattering (No. grains/m <sup>2</sup> )	Early Vigour
Yallara	81	+2	3.3	6.3	15	3.4
Carrolup	80	0	3.3	-	20	4.8
Mitika	56	+1	1.7	8.5	3	3.8
Kojonup	65	+5	0.0	-	6	3.0
Wandering	67	+3	0	8.5	9	3.6
No. trials	13	6	3	4	6	11

<sup>1</sup> 3 to 8 scale where 3 = flat and 8 = erect

(Source - National Oat Breeding Program - WA mean data 2003-2006)

## Domestic Hay Quality

Trait	Variety	Overall Mean (32 trials)	
		% DMD	% Wintaroo
Digestibility (%DM)	Yallara	65.1	102
	Wintaroo	63.9	100
WSC (%DM)	Yallara	28.5	112
	Wintaroo	25.4	100
Metabolisable Energy (MJ/kg DM)	Yallara	9.4	102
	Wintaroo	9.2	100
NDF (%DM)	Yallara	47.4	93
	Wintaroo	50.8	100

DMD = Dry Matter Digestibility;  
 WSC = Water Soluble Carbohydrate;  
 NDF = Neutral Detergent Fibre  
 (Note: Yallara has a lower dry matter yield compared to wintaroo)  
 (Source: National Oat Breeding Program CVT & NVT 2005-2008)

## Variety Specific Agronomic Information

### Grain Harvesting

As with any tall milling variety, harvest should occur in a timely manner to limit losses from lodging and shattering due to adverse weather conditions.

Care is needed when harvesting premium milling varieties which can dehull during the harvest process.

### Contact & Seed Purchasing

Yallara is sold through your local rural seed retail agent. Check with your local store for seed availability and seek advice from your agronomist on optimum sowing time and crop management. Wholesale distribution by Viterra Seeds ex Perth.

CONTACT - Viterra Seeds on Toll Free Number 1800 018 205 Website Seeds section - [www.viterra.com.au/agriproducts/seed](http://www.viterra.com.au/agriproducts/seed)

- Craig John - Seeds Manager mobile 0437 011 907 [craig.john@viterra.com](mailto:craig.john@viterra.com)

### Plant Breeding Rights & Royalties

Yallara is protected by Plant Breeder's Rights (PBR). 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. (Grower to Grower seed sales are NOT permitted). Yallara is subject to an EPR of \$2.00 per metric tonne (GST excl.), payable on all production excluding farm saved seed.

Viterra manages the collection of End Point Royalties (EPR) as part of the Plant Breeders Rights variety licencing agreement. The royalties are collected for investing back to the plant breeder for research and development of improved varieties for Australian farmers.

### Breeding

Yallara was developed by the National Oat Breeding Program and collaborators. Yallara was bred from the cross Euro\*2/ND931075 and was evaluated as SV97001-13-4. The name, Yallara, was selected from Australian marsupials native to Southern Australia.

