



***Barley Australia accredited malt variety**



Features and Benefits

- Barley Australia accredited malt variety March 2013
- Medium/late maturity
- High yield potential and wide adaptation
- Excellent straw strength
- Excellent resistance to lodging
- Above average test weight
- Low screenings
- Resistant to powdery mildew and leaf rust.

Variety Overview

GrangeR barley does not require any varietal specific management considerations. However when considering broader management requirements, please consult extension agronomists from various state government departments or experienced commercial agronomists / consultants in the relevant growing areas.

Description

GrangeR barley was developed by the Nickerson barley breeding program. Derived from a cross between the two European malting varieties Braemar and Adonis, it is a high-yielding, medium-long season variety with a 3-4% yield advantage over Oxford.

With benefits including a high malt extract and good diastatic power, GrangeR barley offers broad adaptability standing 3-4 cm taller than Gairdner and 10cm taller than Baudin. It has an excellent lodging resistance and high grain harvest quality (excellent test weight and very low screenings).

Performance - NVT Evaluation

Since its initial entry into the National Variety Trial (NVT) program in 2009, GrangeR barley has performed exceptionally well in all key barley growing areas across NSW and QLD.

A summary of its long term performance in the NSW NVT trials from 2009 to 2011 is summarised in Table 1 below, with performance expressed as tonnes/ha and gross returns \$/ha.

TABLE 1 – GrangeR vs competitors (NVT NSW North East 2005 - 2011)

VARIETY YIELD (t/ha) & GROSS RETURNS (\$/ha)				
(Pricing ex Toepfer International Bid Sheet 08.01.13 delivered Newcastle basis with GA1 @ \$244.00/mt, COM1 @ \$236.00/mt and F1 @\$234.00/mt)				
GrangeR	Commander	Gairdner	Shepherd	Hindmarsh
Malt	Malt	Malt	Feed	Feed
4.106	4.075	3.582	3.859	4.034
\$ 1,001.86 / ha	- \$ 40.16	- \$ 127.86	- \$ 98.86	- \$ 57.79

Explanation – for every hectare of GrangeR grown – the grower could earn an extra \$98.86 / ha over and above if Shepherd had been selected and grown as the variety of choice.

If the grower had sown a 100 ha block of GrangeR – an extra \$9,886.00 could be in the grower's pocket!

TABLE 2 – GrangeR vs competitors (NVT NSW North West 2005 - 2011)

VARIETY YIELD (t/ha) & GROSS RETURNS (\$/ha)				
(Pricing ex Toepfer International Bid Sheet 08.01.13 delivered Newcastle basis with GA1 @ \$244.00/mt, COM1 @ \$236.00/mt and F1 @\$234.00/mt)				
GrangeR	Commander	Gairdner	Shepherd	Hindmarsh
Malt	Malt	Malt	Feed	Feed
3.706	3.701	3.219	3.521	3.646
\$ 904.26 / ha	- \$ 30.83	- \$ 118.83	- \$ 80.35	- \$ 51.10

Explanation – for every hectare of GrangeR grown – the grower could earn an extra \$80.35 / ha over and above if Shepherd had been selected and grown as the variety of choice.

If the grower had sown a 100 ha block of GrangeR – an extra \$8,035.00 could be in the grower's pocket!

2012 NVT Yield Data (NSW)

Site	Variety Name	Yield (t/ha)
North Star, NE	GrangeR	4.020
	Commander	4.130
	Gairdner	3.290
	Shepherd	3.780
	Hindmarsh	3.960
Site Mean		3.620
Wongarbon, NE	GrangeR	3.010
	Commander	2.740
	Gairdner	2.900
	Shepherd	2.800
	Hindmarsh	2.370
Site Mean		2.730
Coonamble, NW	GrangeR	3.540
	Commander	3.300
	Gairdner	2.940
	Shepherd	3.470
	Hindmarsh	2.980
Site Mean		3.050
Gilgandra, NW	GrangeR	3.850
	Commander	3.860
	Gairdner	3.540
	Shepherd	3.500
	Hindmarsh	3.560
Site Mean		3.440
Goonumbla, NW	GrangeR	3.550
	Commander	3.450
	Gairdner	3.240
	Shepherd	3.430
	Hindmarsh	2.990
Site Mean		3.220
Tulloona, NW	GrangeR	2.770
	Commander	2.850
	Gairdner	2.560
	Shepherd	2.580
	Hindmarsh	2.860
Site Mean		2.610
Walgett, NW	GrangeR	4.000
	Commander	3.970
	Gairdner	3.540
	Shepherd	3.950
	Hindmarsh	4.090
Site Mean		3.820

2012 NVT Yield Data (QLD)

Site	Variety Name	Yield (t/ha)
Biloela, CQ	GrangeR	2.760
	Commander	-----
	Gairdner	2.670
	Shepherd	2.830
	Hindmarsh	3.020
Site Mean		2.850
Springsure, CQ	GrangeR	4.560
	Commander	-----
	Gairdner	4.220
	Shepherd	3.900
	Hindmarsh	4.490
Site Mean		4.170
Lundavra, SWQ	GrangeR	3.660
	Commander	3.630
	Gairdner	2.780
	Shepherd	3.550
	Hindmarsh	3.600
Site Mean		3.270
Brookstead, SEQ	GrangeR	3.990
	Commander	4.330
	Gairdner	4.070
	Shepherd	4.140
	Hindmarsh	3.280
Site Mean		3.900
MacAlister, SEQ	GrangeR	4.340
	Commander	3.940
	Gairdner	3.330
	Shepherd	4.330
	Hindmarsh	3.720
Site Mean		3.920



GrangeR barley plot at the NVT Field Day at Wongarbon, NSW 2012.

Disclaimer: The information presented is from official and other sources and is considered to be reliable. Heritage Seeds does not accept any responsibility for the consequences that may arise from the acceptance of recommendations or the suggestions made.

End Point Royalty (EPR): An EPR of \$2.95 / tonne exclusive GST is payable on all GrangeR production.

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