



350-450mm 5.5-8.0 Most Soil Types

Key Features

- Currently undergoing final year (Stage 2) malt accreditation
- High yield potential
- Medium / late maturity – similar to Gairdner and Baudin
- Medium / short plant height
- Broad adaptation to all barley growing areas across Australia
- Excellent straw strength and resistance to lodging
- Large kernel size and high test weight
- High malt extract – superior to Gairdner
- High malt yields with good diastatic power.

Description

Grange 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, Grange 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).

Variety Management / Agronomy

Grange 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.

Disease Resistance / Tolerance

Disease	Grange	Gairdner	Baudin	Vlamingh	Commander
Powdery Mildew	R	S	S-VS	S	MR
Leaf Rust	MR	S	S	S	S
Stem Rust	MR	MS	MS	MS	S
Spot Form Net Blotch	MS	MS-S	MS	MS	MS-S
Net Form Net Blotch	MR-MS	MR-MS	MS	MR	MS-S
Scald	MS-S	S	S	MR	S
CCN *	S	S	S	S	R
BYDV *	MR	R	MR	MR	S

* CCN and BYDV data a combination of public and Seedmark (plot contractor) data.



Dr Ian Edwards from EdStar Genetics and Col Smith from Heritage Seeds inspecting a Grange Barley demonstration plot near Tamworth, NSW.



Performance

In 2009, Grange barley was entered in the National Variety Trials (NVT) for the first time in WA, SA, VIC and NSW. The results from the trials indicated that Grange barley out yielded Baudin and Gairdner in all regions where it was grown, with advantages ranging from 4 – 14 %.

NVT Barley Main Season Trial Results (2005 – 2011) (t/ha)

NSW	GRANGE	GAIRDNER	Commander	Westminister	Navigator	Scope
N/E	4.106	3.582	4.075	3.831	3.684	3.748
N/W	3.706	3.219	3.701	3.531	-----	3.436
S/E	3.809	3.423	3.848	3.626	3.483	3.548
S/W	3.422	2.972	3.304	-----	-----	3.146

NVT Barley Main Season Trial Results (2005 – 2011) (t/ha)

VIC	GRANGE	GAIRDNER	Commander	Bass	Baudin	Scope	Buloke	Westminister
Mallee	2.701	2.386	2.587	2.415	2.343	2.447	2.490	-----
North Central	2.763	2.373	2.572	2.440	2.304	2.421	2.498	2.508
South West	5.014	4.740	4.986	4.855	4.477	-----	-----	5.027
Wimmera	3.292	2.811	3.076	2.897	2.796	2.922	2.985	2.921

NVT Barley Main Season Trial Results (2005 – 2011) (t/ha)

SA	GRANGE	GAIRDNER	Commander	Bass	Baudin	Buloke	Vlamingh
Lower EP	3.684	3.194	3.503	3.431	3.251	3.469	3.328
Mid North	3.946	3.501	3.860	3.705	3.469	3.747	3.630
Murray Mallee	2.346	2.025	2.246	2.036	1.938	2.157	2.047
South East	3.979	3.532	3.905	3.704	3.501	3.754	3.616
Upper EP	2.506	2.090	2.334	2.198	2.063	2.261	2.149
Yorke P	3.234	2.791	3.113	2.993	2.753	2.980	2.866

NVT Barley Main Season Trial Results (2005 – 2011) (t/ha)

WA	GRANGE	GAIRDNER	Commander	Bass	Baudin	Hamelin	Buloke	Vlamingh
Agzone 2	2.655	2.324	2.499	2.415	2.305	2.275	2.511	2.452
Agzone 3	3.249	2.837	3.122	3.044	2.737	2.867	3.140	3.015
Agzone 5	2.718	2.409	2.609	2.470	2.370	2.349	2.571	2.486
Agzone 6	3.250	2.854	3.139	3.046	2.813	2.845	3.063	2.982

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