

Baudin[®]

Malting Barley

VARIETY SUMMARY

- High yield potential
- Excellent malting quality
- Semi-dwarf variety with strong straw, good head retention and excellent standing ability
- Plumper grain than Gairdner
- Wider regional adaptation than Gairdner
- Generally for medium/low rainfall regions, with early sowing for medium rainfall regions. Foliar disease management is an important consideration when growing this variety



CLASSIFICATION

Malting in all states



BREEDING

Cross: Stirling/Franklin, bred by Dr Reg Lance, Mr Peter Portmann, Dr Ross Gilmour and Dr Chengdao Li and developed by the Department of Agriculture - Western Australian Barley Improvement and Industry Development Program. Evaluated by the Western Malting Barley Council and the Malting and Brewing Industry Barley Technical Committee.



MATURITY

Baudin is a medium maturity spring barley. It has a wider regional and sowing date adaptation than Gairdner because its development pattern is based on a high level of day-length sensitivity (similar to Skiff).



PLANT CHARACTERISTICS

Baudin is a 2-row semi-dwarf barley with excellent straw strength and head retention. It has prostrate growth during early development and good standing ability that is superior to Gairdner and Stirling during later development. Its head length is shorter and it has plumper shaped grain than Gairdner.



AREA OF ADAPTATION

While the maturity pattern of Baudin makes it suitable across medium to higher rainfall areas, high frequency of diseases increases the risk of production in the higher rainfall areas. For this reason the optimum areas of production are likely to be the more reliable parts of medium rainfall areas where leaf disease risks can be more effectively managed.

Baudin has proven to be adaptable to medium rainfall areas of NSW, SA & Victoria.



GRAIN QUALITY

- Excellent Malt Quality.
- Plump shaped grain and lower screening level than Gairdner.
- Grain brightness is similar to Gairdner.
- Lower protein grain than Schooner and Sloop; similar to Gairdner.
- Low risk of pre-harvest sprouting; as is the case for Stirling and Gairdner.



DISEASE RESISTANCE

2010 Disease ratings

Disease	NSW	VIC
Scald	MS-S	S-VS
Spot form net blotch	S	S
Net form net blotch	MS-S	MS
Powdery Mildew	S-VS	S-VS
Leaf Rust	VS	VS
BYDV	-	MR

 **YIELD****Table 1** Long term yield performance (2000-09) in Victoria, (NVT 2010)

Variety	Mallee	Wimmera	Nth Central	Nth East
	% Schooner	% Gairdner		
Baudin	102	102	97	98
Buloke	109	105	103	102
Sloop	101	95	95	94
Schooner	100	93	92	91
Flagship	104	99	95	95
Gairdner	100	100	100	100

Table 2. Long term yield performance (2000-09) in Southern NSW, (I&I NSW 2010 Sowing Guide)

Variety	Sth East	Sth West
	% Gairdner	
Baudin	104	101
Buloke	108	105
Schooner	99	95
Flagship	101	98
Gairdner	100	100

 **AGRONOMIC GUIDELINES**

Selecting a soil type with good moisture holding capacity and sowing in May increases the opportunity for Baudin to meet malting specifications. Grain size is expected to be less sensitive to management than Gairdner due to its plumper-shaped grain.

Baudin is a high yielding barley that tends to produce grain with low protein. When calculating the nitrogen required to grow Baudin at the optimum grain protein, use a similar fertiliser regime as for a high yielding

Gairdner crop. Baudin may be suited to sowing into situations that have a higher fertility level (eg after legumes) than is possible with Gairdner.

Baudin shows a similar leaf injury as Gairdner to high levels of boron in the soil.

This variety should be grown as part of a rotation after another cereal type or cereal break crop to minimise the risk of early infection of leaf diseases. The use of registered seed dressing will suppress the onset of disease in the early growth stage. A foliar disease management guide for Baudin is available from Seednet website www.seednet.com.au.

 **PLANT BREEDER RIGHTS AND ROYALTIES**

Baudin is protected by Plant Breeder Rights, 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. An End Point Royalty of Malting Barley \$3.30 per tonne and Feed Barley \$1.10 per tonne (GST inclusive), which includes breeder royalties, applies to this variety.

ACKNOWLEDGEMENTS

Baudin is a product of the Western Australian Barley Improvement and Industry Development Program.



For more information call **Seednet on 1300 799 246**
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