

GS1234 Potential Malt Barley

Variety Summary

- Superior scald resistance compared to Gairdner
- Malteurop has communicated their desire to procure approximately 10,000 tonnes of malt quality grain from the 2010/11 harvest
- Long term yields equivalent to or slightly better than Gairdner
- Similar maturity to Gairdner
- GS1234 is currently progressing through Barley Australia Malt Accreditation
- Lower Biomass than Gairdner resulting in improved Water Use Efficiency
- Shorter straw and improved head retention in comparison to Gairdner
- Physiological leaf spotting appeared in 2007. No apparent impact on yields

"We have found GS1234 shorter, stronger at the neck, and easy to harvest, due to less material through the harvester. In the two tough years we have grown GS1234 we have found it to be higher yielding and of malt quality, which is more than I can say about Gairdner" Rowan Peel, March 2009 (Peel Ag, Inverleigh).

Yield Potential

GS1234 has demonstrated a consistently high yield potential in GrainSearch yield trials conducted by Southern Farming Systems, National Variety and other private trials.

Agronomy

Plant Characteristics of GS1234 compared to Gairdner

- Short strawed, low tillering variety
- Less prone to lodging in fertile growing conditions
- Increase sowing rates by 20% over Gairdner to achieve optimum grain heads per sq metre
- Suited to wider row seeding used in stubble retention practices because of lower tillering.

Disease Resistance

Only a limited number of disease assessments have been conducted on GS1234 by plant pathologists. GS1234 was observed to have a leaf rust rating of Moderately Susceptible at the 2008 NVT Hamilton site (Grant Holloway, DPI Victoria) and a Spot Form of Net Blotch rating of Susceptible at the 2008 NVT trials in South Australia (Hugh Wallwork, SARDI). Further disease assessments will be completed in 2009.

Grain Quality

Malteurop conducted 3 years of micro malt testing in 2006 - 2008 and are completing large scale malt test in 2010. Results suggest that GS1234 may achieve an export malt classification. The positive malt quality results have provided Malteurop with the confidence to communicate their desire to procure approximately 10,000 tonnes of malt quality grain for the 2010/11 harvest.

Plant Breeder Rights and Royalties

Growers wishing to grow GS1234 need to agree to the Grainsearch Seed Licence terms and conditions. Any unauthorised commercial propagation or any sale, conditioning, export, import or stocking of propagating material of this variety is an infringement of the Grainsearch Seed Licence Agreement. Growers are allowed to retain seed from production of this variety for their own use as seed only. An End Point Royalty of \$2.00 / tonne (GST exclusive), which includes breeder royalties, applies to this variety.

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