

Scope[®]

Imidazolinone (Imi) tolerant barley

VARIETY SUMMARY

- Excellent tolerance to certain Imidazolinone chemistry;
- High grain yield;
- Early to mid season maturity;
- Moderately tall plant type;
- Released as a 'Feed' variety but being evaluated for 'Malting' potential.

ORIGIN

Scope barley was developed through a mutagenesis-based (non-GM) breeding program conducted by Agriculture Victoria Services Pty Ltd. It was formally tested and known as the VBHT0805 barley line and is exclusively licensed for commercialisation to Seednet.

AREA OF ADAPTATION

Scope is a broadly adapted variety that is well suited to the low to medium rainfall regions of Victoria, South Australia, southern & central NSW and Western Australia.

PLANT CHARACTERISTICS & MATURITY

Scope is a moderately tall variety with good straw strength and good head retention.

In the eastern states Scope is described as an early to mid season variety with a suggested sowing time between mid May and late June. Mid May in low rainfall regions and June in mid - high rainfall regions, particularly in situations of high biomass production.

In WA Scope is described as a tall variety with medium maturity, fair straw strength and moderate head retention.

DISEASE RESISTANCE

Scope has similar disease resistance to Buloke. It has resistance to Powdery mildew and Net form of net blotch but in NSW and VIC it is rated lower than Buloke for Scald resistance. It is also susceptible to Leaf rust.

2010 State disease resistance ratings:

Disease	NSW		VIC		SA		WA	
	Scope	Buloke	Scope	Buloke	Scope	Buloke	Scope	Buloke
Scald	S-VS	MS	MS-S	MS	MS	MS	MS	MS
SFNB	S	MS-S	MS	MS	MR-MS	MS	MS	MS
NFNB	MR	MR	MR	MR	MR	MR	MR-MS	MS
Powdery mildew	R	MR	MR	MR	MR	MR	MR	MR
Leaf rust	S	S-VS	S-VS	S-VS	S-VS	S-VS	S	S

GRAIN QUALITY

Scope barley has moderate to good grain plumpness.

In 2010 Scope had better grain plumpness and lower screenings than Buloke in a range of National Variety Trials across NSW, VIC, SA and WA.

Scope has been released as a 'Feed' variety but is being evaluated for 'Malting' potential.

Scope passed the first year of Malt evaluation in 2010 but due to insufficient quantity of grain being available for evaluation in 2011, the second year of evaluation will occur in 2012 (with notification in early 2013).

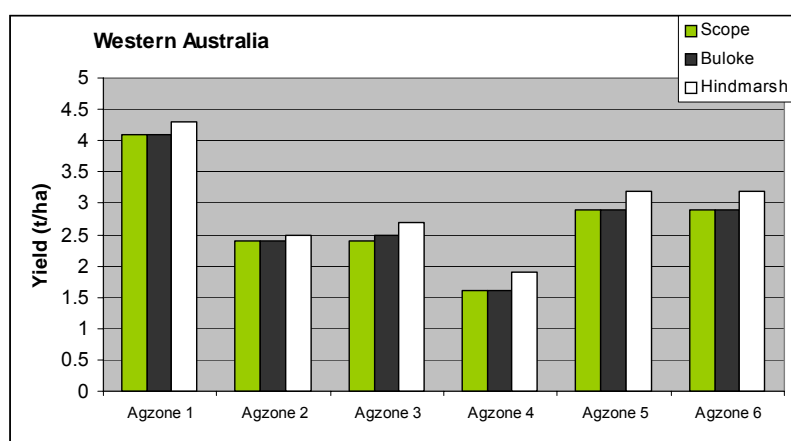
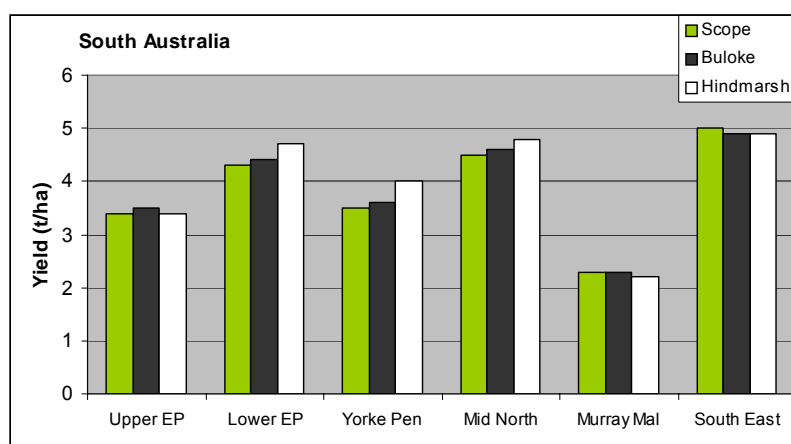
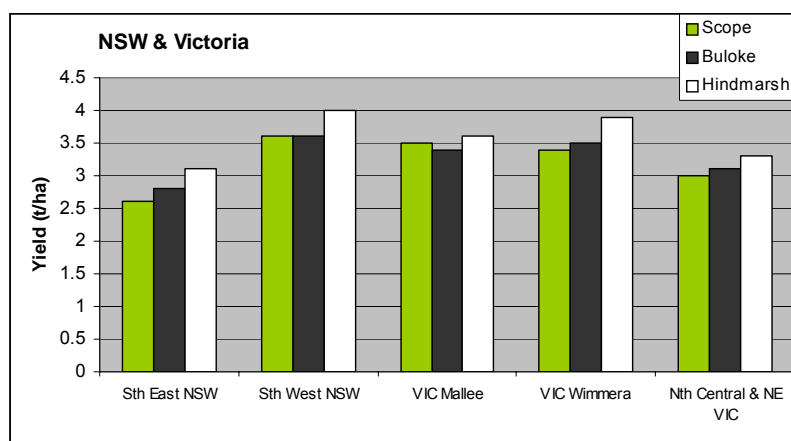
2010 National Variety Trial grain quality data:

Screenings	SW NSW	VIC Mallee	Mid Nth SA	AgZ 3 WA
2.2mm %	Avg 4 trials	Avg 7 trials	Avg 3 trials	Avg 5 trials
Scope	3.4	2.2	5.3	8.9
Buloke	6.1	3.2	5.6	8.5

Grain Plumpness	SW NSW	VIC Mallee	Mid Nth SA	AgZ 3 WA
2.5mm %	Avg 4 trials	Avg 7 trials	Avg 3 trials	Avg 5 trials
Scope	81.8	88.1	69.2	69.5
Buloke	75.7	86.4	67.7	62.8

 **YIELD**

Average 2009 & 2010 National Variety Trial yield data (without Imidazolinone herbicide application).

 **AGRONOMIC GUIDELINES****Herbicide Tolerance**

An application for registration of Intervix® herbicide for post-emergent use on Scope barley has been submitted to the APVMA. It is a requirement that only registered products are used on Scope barley and that usage will be subject to a stewardship protocol administered by Crop Care and their Agricentre distributors.

Until such time as a registration may be granted, it is illegal to apply Intervix® herbicide to Scope barley. Please contact your local Crop Care representative for further information.

 **PATENT and PLANT BREEDERS RIGHTS**

Patent and PBR rights exist in relation to Scope for the production, reproduction, conditioning, sale, importation and exportation of any seed, plants and plant materials. The combination of these rights means that the sale and propagation of Scope and the use of Scope for breeding and commercial purposes without the permission of Seednet or Agriculture Services Victoria Pty Ltd are unlawful. Growers will be permitted to retain seed from production for their own use only.

END-POINT ROYALTY

An End Point Royalty (EPR) will apply:

- \$2.97 per tonne (GST incl.) while Scope is a Feed variety.
- \$3.85 per tonne (GST incl.) if Scope becomes a Malt variety.

ACKNOWLEDGEMENTS

The Scope barley variety and its herbicide-tolerant trait were developed by Agriculture Victoria Services Pty Ltd. (AVS) which is a commercial arm of the State of Victoria's Department of Primary Industries.

For more information on **Scope barley** call **Seednet** on **03 5389 0150** or visit **www.seednet.com.au**

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