

Version April 2013

# Scope CL

Clearfield<sup>®</sup> Malt Barley

## VARIETY SUMMARY

- Excellent tolerance to Intervix<sup>®</sup> herbicide
- Approved for malting and brewing
- High grain yield;
- Early to mid season maturity;
- Moderately tall plant type;

## ORIGIN

Scope CL 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 barley line VBHT0805.

## AREA OF ADAPTATION

Scope CL is a broadly adapted variety suited to most barley growing regions of Australia.

## MATURITY & PLANT TYPE

Scope CL is a moderately tall variety.

In south eastern Australia Scope CL is described as early-mid maturity and in northern regions and WA it is mid maturity.

The suggested sowing time for Scope CL is mid-May for low-medium rainfall regions and June for higher rainfall regions, particularly if high biomass production is expected.

## DISEASE RESISTANCE

Scope CL has similar disease resistance profile to Buloke.

### 2013 Disease resistance ratings

State	Scald	SFNB	NFNB	Powdery mildew	Leaf rust
VIC	MS-S	MS	MR	MR	S-VS
NSW	MS-S	S	MR	R	S-VS
QLD	MS-S	MS-S	MR	R	S-VS
SA	MS-S	MS	MR	MR	MS-S/VS
WA	S	S	MR-MS	MR	S

## 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

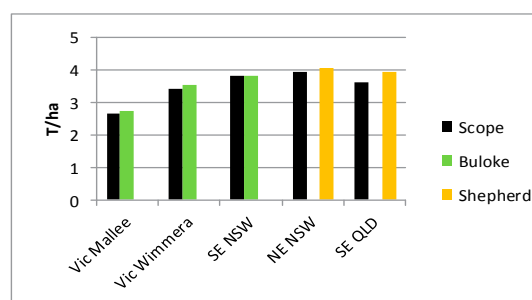
In accordance with Scope CL being approved as a malting variety, the EPR for Scope CL is increasing from \$2.97 to \$3.85 per tonne (GST incl.), for the 2014/15 harvest onwards.

## GRAIN QUALITY

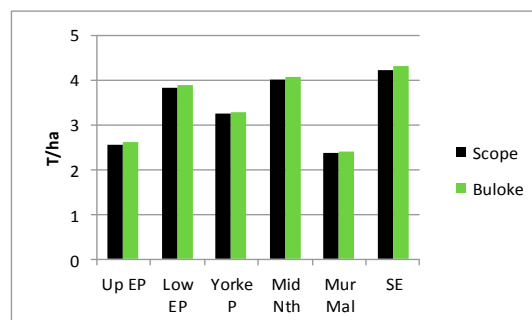
Scope CL has been approved as a malting and brewing variety. It has similar grain quality to Buloke with slightly better grain plumpness and slightly lower screenings.

## GRAIN YIELD - Average NVT results 2008-12

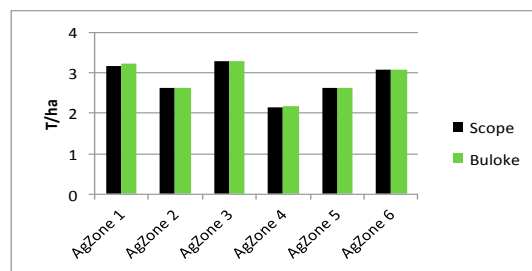
Victoria, NSW &amp; Queensland



South Australia



Western Australia



### ACKNOWLEDGEMENTS

Scope CL barley 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.





**Clearfield**<sup>®</sup>  
Production System



**Intervix**<sup>®</sup>  
Clearfield<sup>®</sup> Production System Herbicide

# Preserve the efficacy of GROUP B's

For the early post-emergent control of annual grass and broadleaf weeds, as part of the Clearfield<sup>®</sup> Production System for Scope Barley

## The Clearfield<sup>®</sup> Production System

- \* The **Clearfield** Production System for Barley features a herbicide tolerant variety used in combination with the broad spectrum Intervix<sup>®</sup> herbicide
- \* The **Clearfield** Barley variety has been developed through conventional plant breeding techniques and is not a genetically modified organism (non GMO)
- \* The **Clearfield** Barley variety currently available is Scope Barley, also approved for 'malting'
- \* The **Clearfield** Production System for Barley is available through accredited Agricentres, with staff specifically trained to deliver a Best Management Practice Program to assist growers maximise their return from the system.

Please notify your preferred distributor AgriCentre of your Intervix herbicide requirements.

## The Herbicide

- \* Intervix herbicide is a group B herbicide.
- \* The active ingredients are 33g/L IMAZAMOX (present as the ammonium salt) and 15 g/L IMAZAPYR (present as the ammonium salt)

## The Product Benefits

- \* Superior one pass post-emergent knockdown and residual grass and broadleaf weed control
- \* Superior brome grass, barley grass, volunteer wheat and volunteer barley control
- \* Highly effective foliar uptake in addition to residual efficacy through root uptake
- \* Easy to use and transport

## Application

- \* The application rate is 375-750mL/ha plus Supercharge<sup>®</sup> at 0.5L/100L spray volume
- \* Apply in a minimum of 70L water per hectare
- \* Apply to crops in the 5 leaf (Z15) to 1st node stage (Z31)
- \* Apply early post emergent to actively growing grass weeds in the 3 leaf to 2 tiller stage and broadleaf weeds in the 2 to 6 leaf stage
- \* **Avoid application to stressed crops as crop damage and poor weed control may result.**

- \* **Good plant health is essential. Ensure any nutrient deficiencies are rectified at least 14 days prior to application.**
- \* **Do NOT apply if adverse environmental conditions exist. ie. low temperatures or frost**
- \* **Avoid use with other pre or post emergent Group B herbicides**
- \* Do NOT apply more than once per season to any crop
- \* Apply ONLY to Barley with the Clearfield technology (ie Scope Barley)

## Key Weeds Controlled

Control and suppression of a vast range of problem weeds, including:

- |                        |                     |
|------------------------|---------------------|
| > Brome grass          | > London rocket     |
| > Barley grass         | > Patersons curse   |
| > Marshmallow          | > Saffron thistle   |
| > African turnip weed  | > Scotch thistle    |
| > Amsinkia             | > Shepherds purse   |
| > Annual ryegrass      | > Silvergrass*      |
| > Bedstraw*            | > Sowthistle*       |
| > Charlock             | > Storksbill*       |
| > Wireweed             | > Turnip weed       |
| > Climbing buckwheat   | > Volunteer cereals |
| > Common vetch*        | (ie. non-CL wheat & |
| > Deadnettle           | barley, and oats)   |
| > Doublegee*           | > Wild radish       |
| > Fumitory             | > Wild turnip       |
| > Indian hedge mustard | > Wild oats         |

- \* surviving plants will generally be retarded and will not compete with the crop

## Compatibility

- \* Intervix herbicide is compatible with Mascot<sup>®</sup> Duo, Saboteur<sup>®</sup> (dimethoate), omethoate, Transit<sup>®</sup>, Polo<sup>®</sup> 570 LVE, Havoc<sup>®</sup> (clethodim), Hasten<sup>®</sup> and Kwickin<sup>®</sup>
- \* **Do not** mix with foliar fertilisers

## CONTACT

Herbicide info: Rob Walker on 07 3909 2005 or your local Crop Care Territory Sales Manager for more information.  
Seed info: Call Seednet on 03 5389 0150 or visit [www.seednet.com.au](http://www.seednet.com.au)

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Contact your local Crop Care distributor for further information: Customer Service Australia-wide: 1800 111 454 Fax: 07 3909 2010 [www.cropcare.com.au](http://www.cropcare.com.au) Before using, always read the product label. <sup>®</sup> = Registered trademark. © Copyright 2013 Crop Care Australasia Pty Ltd ABN 80 061 362 347. This publication is a guide only and no substitution for professional or expert advice. The product label should be consulted before use of any of the products referred to in this publication. Crop Care Pty Ltd shall not be liable for any results, loss or damage whatsoever, whether consequential or otherwise through the use or application of products and/or materials referred to herein.

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