

MAXIMUS[Ⓟ] PBR CL

POTENTIAL MALT BARLEY

ALTERNATIVE TO:
SPARTACUS CL[Ⓟ]
LA TROBE[Ⓟ]
COMPASS[Ⓟ]
SCOPE CL[Ⓟ]
RGT PLANET[Ⓟ]

NEW

Variety Overview

MAXIMUS[Ⓟ] CL is a high yielding, quick-mid maturing, potential malt, imidazolinone (IMI) tolerant barley. MAXIMUS[Ⓟ] CL has CCN resistance. For other disease resistance traits it represents a general improvement.

Similar to SPARTACUS CL[Ⓟ], MAXIMUS[Ⓟ] CL has an erect plant type, strong lodging tolerance and a low-medium head loss risk. The variety also has very good physical grain qualities, including excellent grain retention (grain plumpness) (higher than SPARTACUS CL[Ⓟ]) and good hectolitre weight.

The variety has a short coleoptile and it is recommended that sowing depth be considered carefully when planting this variety.

MAXIMUS[Ⓟ] CL has been accepted into the Barley Australia malt accreditation program, with earliest potential accreditation in March 2021.



EASTERN AUSTRALIA 2020



The next generation, potential malting, IMI Gladiator!

VARIETY AT A GLANCE



HIGH YIELD AND YIELD STABILITY



IMPROVED SPOT FORM NET BLOTCH RESISTANCE



MATURITY: QUICK-MID



EXCELLENT GRAIN SIZE



GOOD NET FORM NET BLOTCH RESISTANCE

For more information please contact :

SA: Josh Reichstein ☎ 0422 235 537 📧 jreichstein@intergrain.com

VIC: Ash Brooks ☎ 0476 020 451 📧 abrooks@intergrain.com

NSW/QLD: Katherine Munn ☎ 0436 801 161 📧 kmunn@intergrain.com

PLANT FEATURES

| | Classification | Time to Flowering | Coleoptile Length | Lodging Tolerance | Height | Head Loss Risk | Grain Plumpness | Rachilla Hair Length |
|---------------------------------|----------------|-------------------|-------------------|-------------------|------------------|----------------|-----------------|----------------------|
| MAXIMUS[Ⓟ] CL | Potential Malt | Early-Mid | Short | Strong | Medium | Low-Medium | Good | Long |
| SPARTACUS CL[Ⓟ] | Malt | Early | Short | Strong | Mod. Short | Low | Mod. Good | Short |
| LA TROBE[Ⓟ] | Malt | Early | Short | Medium | Short-Mod. Short | Medium | Mod. Good | Short |
| RGT PLANET[Ⓟ] | Malt | Mid | Medium | Medium | Medium | Low | Fair | Short |
| SCOPE CL[Ⓟ] | Malt | Mid | Short | Poor | Mod. Tall | High | Fair | Long |

Source: 2020 Victorian Winter Crop Summary and InterGrain Barley Breeding.

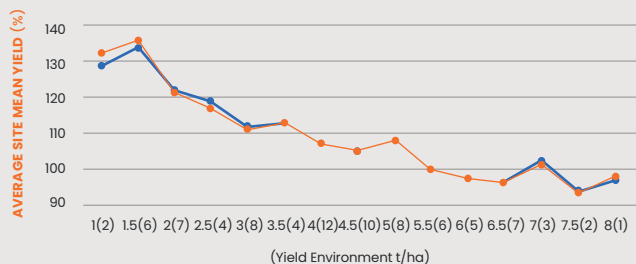
DISEASE

| | Leaf Rust SA | Leaf Rust VIC | Leaf Rust NSW* | Leaf Rust QLD | Powd. Mildew SA | Powd. Mildew VIC | Powd. Mildew QLD | SFNB SA | SFNB VIC | SFNB NSW | SFNB QLD | NFNB SA | NFNB VIC | NFNB NSW | NFNB QLD | CCN | BYDV | SCALD SA | SCALD VIC | SCALD NSW |
|-----------------------------------|--------------|---------------|----------------|---------------|-----------------|------------------|------------------|---------|----------|----------|----------|----------|----------|----------|----------|-----|---------|----------|-----------|-----------|
| MAXIMUS^(D) CL | MS-S | S | SVSp* | MSS | MR-S | S | S | MS-MS | MS | MS | MRMS | RMR-MRMS | MRMS | MRMS | MRMS | R | MRMS | R-MRMS | MRMS | S |
| SPARTACUS CL^(D) | MR-S | S | S* | MSS | MR-SVS | SVS | MRMS/SVS | S | SVS | SVS | SVS | MSS-SVS | MSS | MR-S | MS | R | MS-S | R-SVS | SVS | VS |
| LA TROBE^(D) | MRMS-S | S | S* | MSS | MR-SVS | MS# | MRMS/SVS | MSS | S | S | SVS | MR-MSS | MR | MS | MS | R | MSS | R-SVS | SVS | MRMS-VS |
| RGT PLANET^(D) | MR-MS | MS | MRMS* | MRMS | R | R | R | S-SVS | S | SVS | S | MR-SVS | SVS | S | S/MRMS | Rp | MR-MRMS | R-SVS | S | S |
| SCOPE CL^(D) | MS-SVS | S | S* | S | RMR | RMR | RMR | MS-S | MSS | MSS | MSS | MR | MR# | MRMS | MSS | S | MRMS | MRMS-SVS | S | SVS |

Source: 2019 NVT Pathology disease consensus ratings. Disease data reference: R = Resistant, RMR = Resistant to Moderately Resistant, MR = Moderately Resistant, MRMS = Moderately Resistant to Moderately Susceptible, MS = Moderately Susceptible, MSS = Moderately Susceptible to Susceptible, S = Susceptible, SVS = Susceptible to Very Susceptible, VS = Very Susceptible. #Pathotype dependent, () = Higher disease at some sites, p = provisional rating. *NSW Leaf Rust ratings are based on 2018 NVT Pathology consensus ratings.

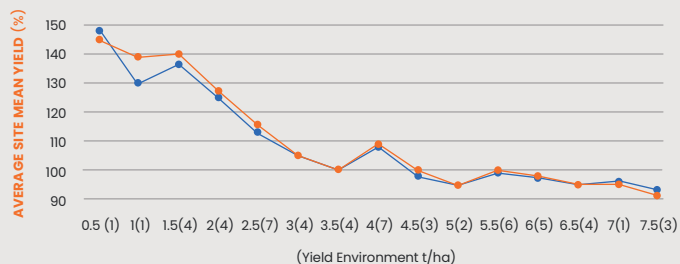
YIELD PERFORMANCE

SOUTH AUSTRALIA



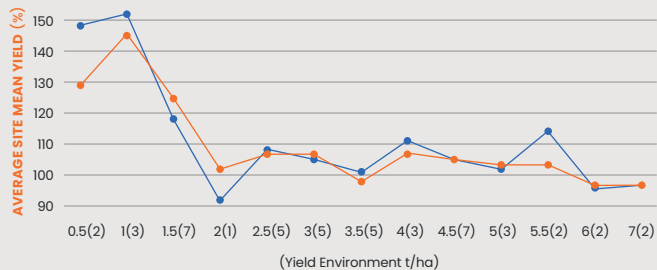
2015-19 SA main season NVT MET predicted yield performance, represented by yield environment as a % of site mean yield. (Data accessed from the NVT Online website on 10/02/2020)

VICTORIA



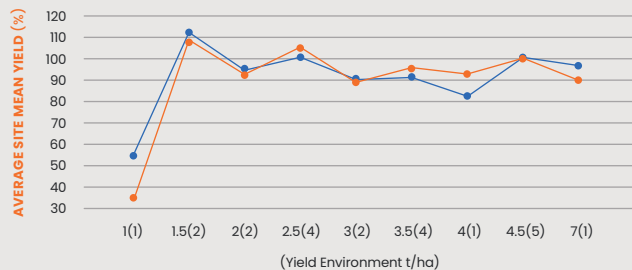
2015-19 VIC main season NVT MET predicted yield performance, represented by yield environment as a % of site mean yield. (Data accessed from the NVT Online website on 10/02/2020)

NEW SOUTH WALES



2015-19 NSW main season NVT MET predicted yield performance, represented by yield environment as a % of site mean yield. (Data accessed from the NVT Online website on 10/02/2020)

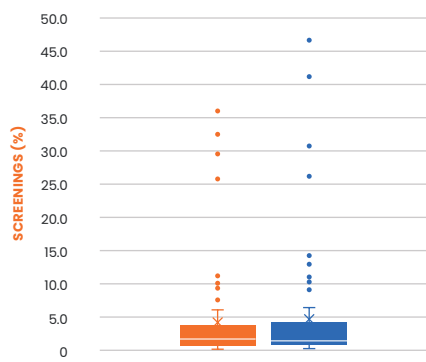
QUEENSLAND



2015-19 QLD main season NVT MET predicted yield performance, represented by yield environment as a % of site mean yield. (Data accessed from the NVT Online website on 10/02/2020)

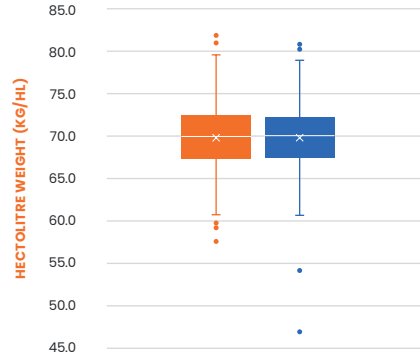
GRAIN QUALITY

SCREENINGS



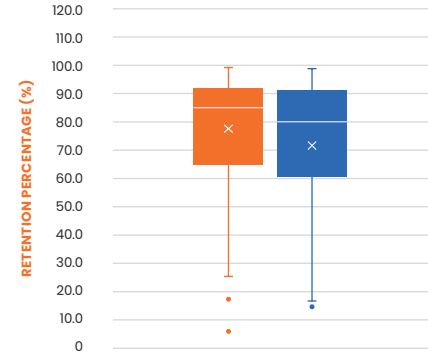
2018-19 NVT Screenings (%). (Data accessed from the GRDC NVT website on 12/03/2020)

HECTOLITRE WEIGHT



2018-19 NVT Hectolitre Weight (kg/hl). (Data accessed from the GRDC NVT website on 12/03/2020)

RETENTION



2018-19 NVT Retention (%). (Data accessed from the GRDC NVT website on 12/03/2020)

GROUP B IMIDAZOLINONE HERBICIDE INFORMATION

InterGrain only supports use of Australian Pesticides and Veterinary Medicines Authority (APVMA) approved imidazolinone products for MAXIMUS[Ⓢ] CL.

Where the grower uses an APVMA approved herbicide they must comply with all label recommendations and requirements for the specific herbicide used.

MAXIMUS[Ⓢ] CL possesses the gene conferring tolerance to label application rates of registered imidazolinone products. Imidazolinone herbicides are Group B herbicides, ALS inhibitors. Registered imidazolinone herbicides provide control of many major grass and broadleaf weeds present in broadacre cropping systems. These weeds include brome grass, barley grass, wild oats, indian hedge mustard, muskweed, oats, wheat and barley (non-Clearfield[®]), wild radish, wild turnip and suppression of annual ryegrass.

For registered product labels, plant back and application details please refer to the following:

Pre-Emergent Herbicide:

Sentry[®] - <https://bit.ly/302wiic>

Post-Emergent Herbicide Options:

Intervix[®] - <https://bit.ly/2HCCQlp>

Intercept[®] - <https://bit.ly/2VlyVpj>

For more information please contact:

SA: Josh Reichstein



0422 235 537



jreichstein@intergrain.com

VIC: Ash Brooks



0476 020 451



abrooks@intergrain.com

NSW/QLD: Katherine Munn



0436 801 161



kmunn@intergrain.com

PBR/EPR

MAXIMUS[Ⓢ] CL is protected by Plant Breeder's Rights and is subject to an end point royalty of \$4.25/tonne GST Exclusive.

MAXIMUS[Ⓢ] CL is an InterGrain variety containing an IMI barley technology licence from Agriculture Victoria Services (AVS), bred by David Moody and the InterGrain Barley Breeding team.

Disclaimer

All material contained or referred to in this publication is copyright. InterGrain is the owner of the copyright, unless otherwise indicated. Neither this publication nor any part of it may be reproduced in any way without the written consent of InterGrain. The information provided in this publication is considered true and correct at the time of printing although may be subject to change. This publication is intended as a general guide only for the purposes of providing a general understanding of InterGrain and its products. This publication should not be taken as detailed information regarding InterGrain or its products. InterGrain has taken all due care to ensure that the information provided is accurate at the time of publication; however, InterGrain does not guarantee or warrant the accuracy, completeness or currency of the information provided. Australian grain growers should regularly seek updated information and should rely on their own investigation and inquiries regarding the suitability of any product. Neither InterGrain, nor its affiliates, agents or employees, shall be held liable for any loss or damage whatsoever arising out of or in relation to the contents of the publication, whether such loss or damage arises from the negligence or misrepresentation or any act or omission of InterGrain or its agents or employees. InterGrain does not accept liability for loss or damaged, suffered or incurred as a result of acting on or refraining to act as a result of any material contained in this publication.