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My Choice!

The proven performer
you can bank on



InVigor[®] T 4510 has been offering growers solid and dependable performance across a range of growing regions since it was first trialled in 2013. No wonder it's fast becoming the most popular TT hybrid on the market.

So why choose InVigor T 4510?

- Higher yields and gross margins than other well-established TT hybrids.
- Great financial returns when compared to farmer-retained TTs (**+\$223/Ha** vs Bonito^{*}).
- Ideally suited to low-medium to medium rainfall areas – offering solid results in an average season and great results in a good one.

Plus, enjoy all the MySeed program benefits:



Pay@HarvestTM

Sow and grow this top performing InVigor variety and don't pay a cent until **Nov. 30, 2019**. See your agent or visit myseed.com.au



Replace MySeedTM

Our seed replacement guarantee^{**} to help you offset risk in your program.

^{**} Terms and conditions apply. Visit myseed.com.au for details.

VARIETY PROFILE

Herbicide tolerance: **Triazine Tolerant**

Flowering maturity: **Early-Mid (4.5)**

Blackleg rating: R (with Jockey[®] Stayer[®])
MR-MS (with EverGol[®] Xtend)

Blackleg grouping: BF

Alternative to: Hyola[®] 559TT, Hyola 650, HyTTec, Trophy, 44T02, SF Turbine, SF Ignite, DG 670, Stingray, Bonito, Wahoo

Vigour: Excellent

Oil: Good

Plant height: Medium

Lodging resistance: Very good

PodGuard[®]: No

SEED TREATMENT OPTIONS



A highly effective broad spectrum insecticide.

Available with either:



Vital early-season blackleg suppression.

Or



Innovative new generation fungicide (SDHI).

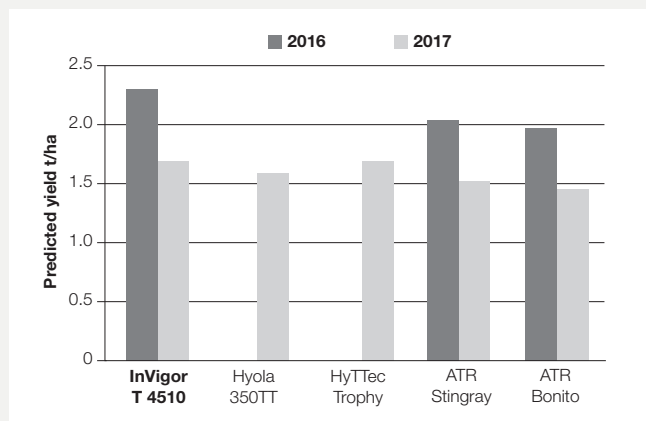


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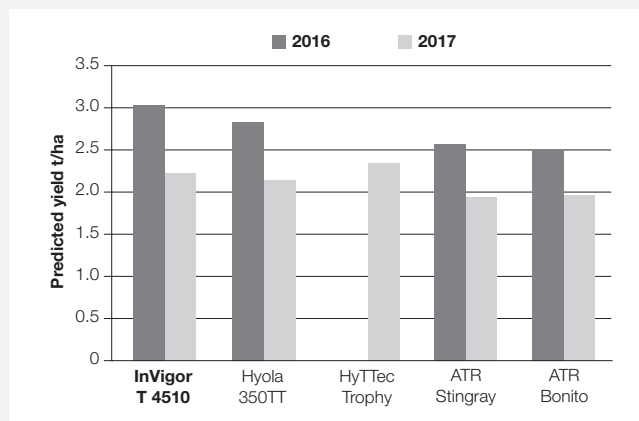
^{*}2016 data from all 26 NVT sites where all 3 varieties were grown. Bonito = \$7/kg + \$5/t EPR; InVigor T 4510 = \$26.5/kg.

Delivers in early season areas and in the mid's too

The sensational results produced in the 2016 NVTs confirms InVigor T 4510 as the new benchmark for early-mid TT hybrids. For growers retaining open pollinated varieties, it's time to consider the switch to InVigor T 4510 to reap all its benefits.



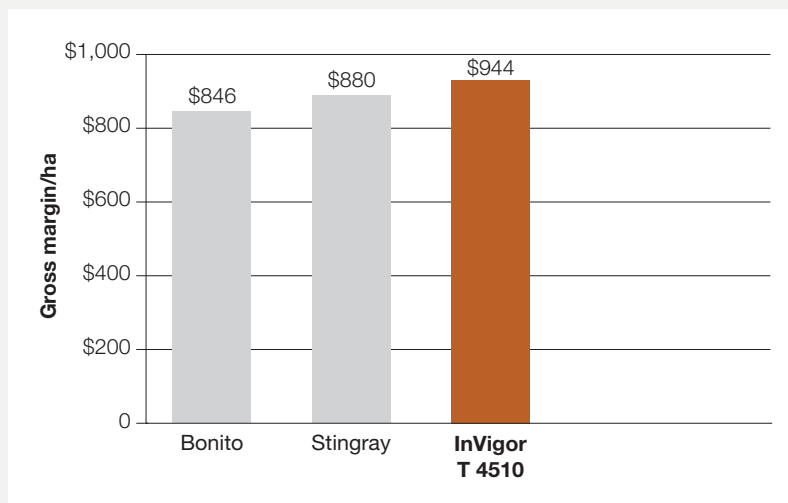
Hyola 350TT and HyTTec Trophy not tested in 2016.
NVT early TT results 2016 & 2017.



HyTTec Trophy not tested in 2016.
NVT mid TT results 2016 & 2017.

Better returns than OP alternatives

Based on an average yield comparison of all early NVT sites across Australia in 2016 & 2017.
Costs: OP = \$14/ha for purchase every 4 years, then \$3/ha/year for treatment and clean; InVigor T 4510 = \$65/ha.
Sown at 2.5 kg/ha. Extra \$5/t EPR for Bonito.



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BASF Australia Ltd. ABN 62 008 437 867. Level 12, 28 Freshwater Place, Southbank, Vic 3006.

The information and recommendations set out in this document are based on tests and data believed to be reliable at the time of publication. Results may vary, as the use and application of the products is beyond our control and may be subject to climatic, geographical or biological variables and/or developed resistance. Any product referred to in this document must be used strictly as directed, and in accordance with all instructions appearing on the label for that product and in other applicable reference material. So far as lawfully able to do so, BASF accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions.

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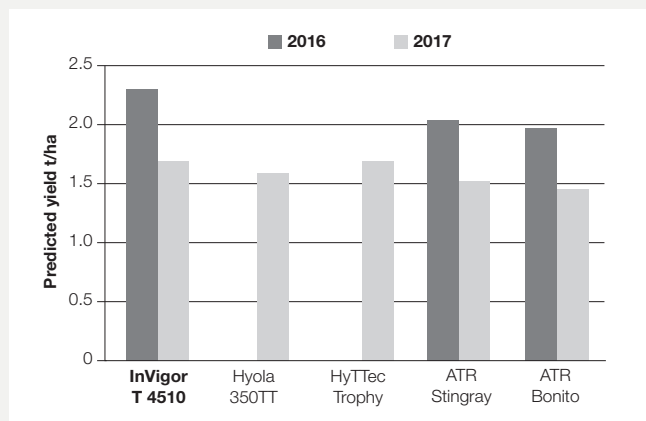
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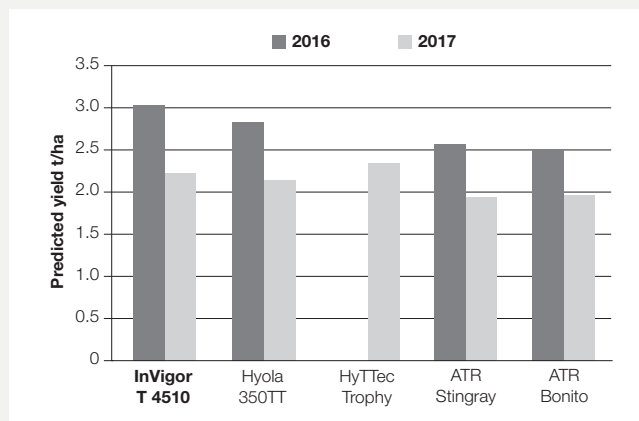
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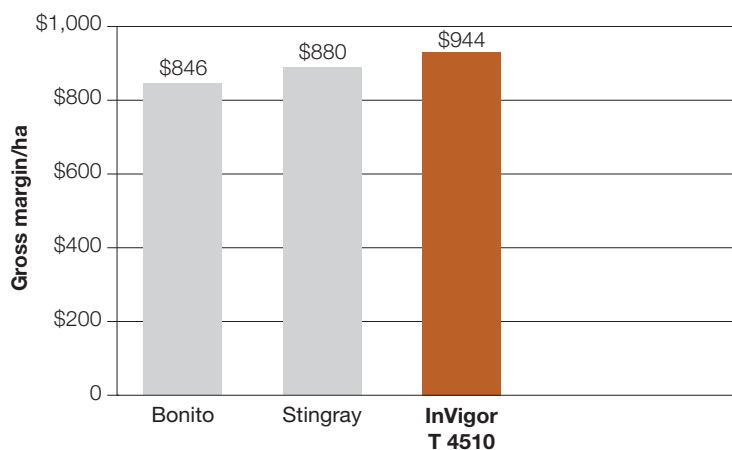
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Recommended resistance management

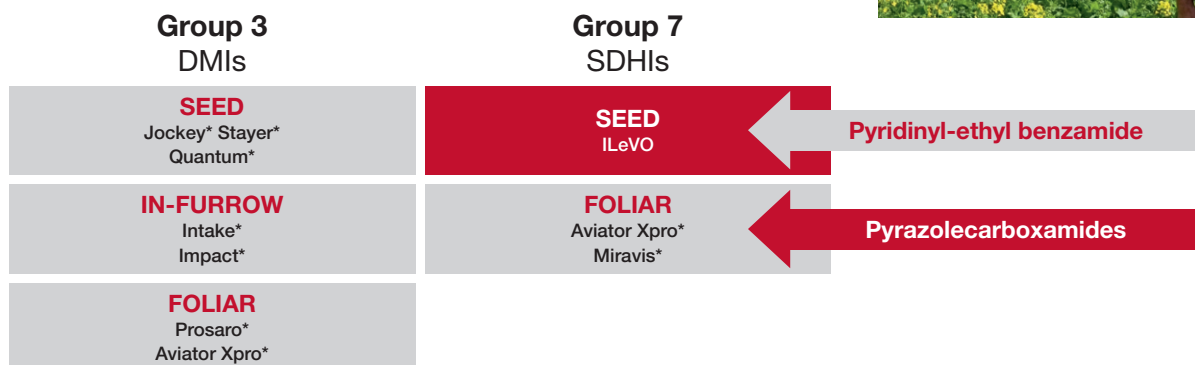


Seed Treatment Fungicide

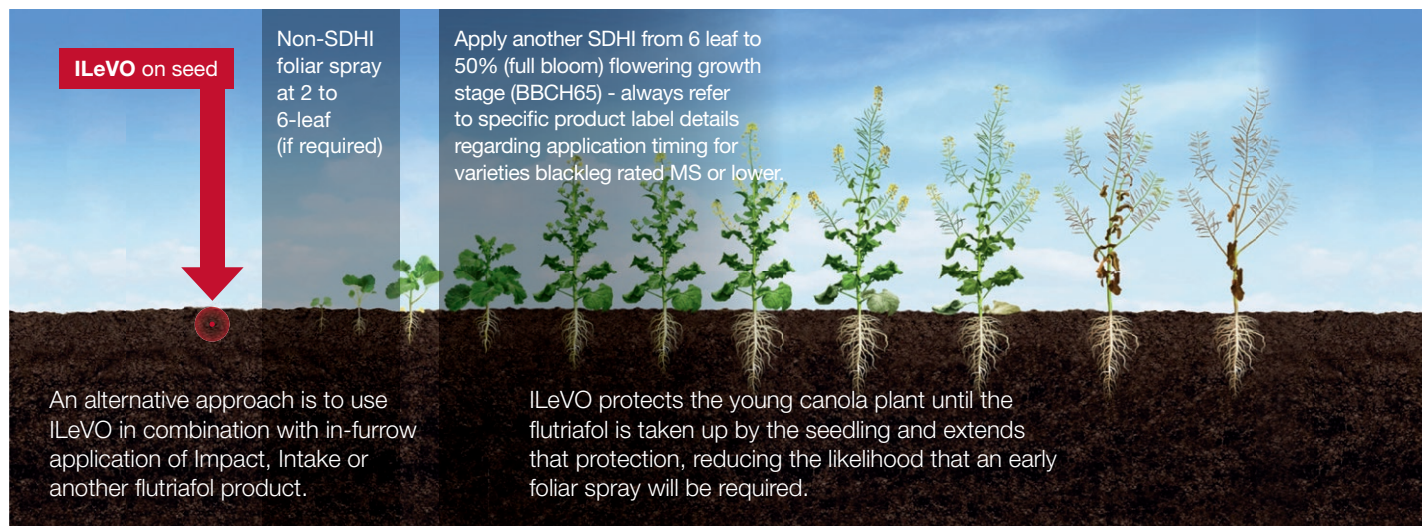
The introduction of new ILeVO® as a seed treatment for canola adds new levels of efficacy and flexibility to blackleg management programs. As always with the addition of new chemistry, that means the overall product mix will have to be reviewed to avoid over-reliance on a single class of chemistry.

- As the first Group 7 seed treatment fungicide registered for blackleg, ILeVO introduces new chemistry at the most critical protection timing
- ILeVO is the only product in a new sub-class of SDHI chemistry
- Using ILeVO as the first line of defence against blackleg will ease resistance pressure on DMI chemistry

Blackleg treatment options



Recommended resistance management strategy if using a follow-up foliar spray using another SDHI fungicide (including mixtures)





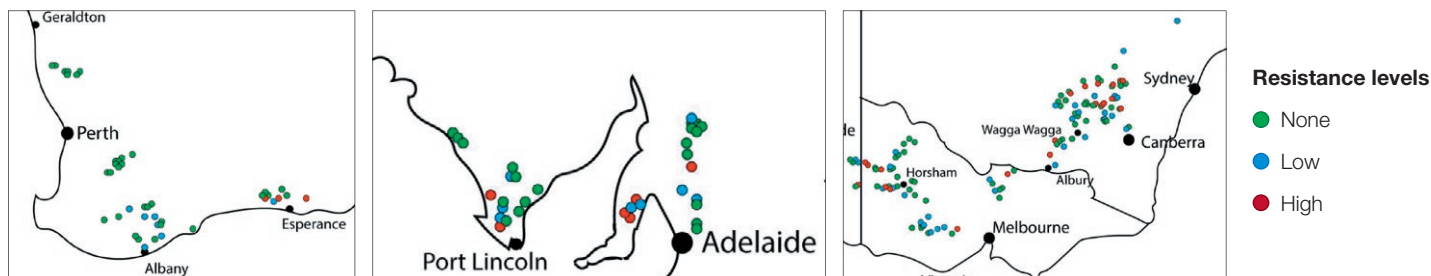
Seed Treatment Fungicide

The resistance pressure on DMIs

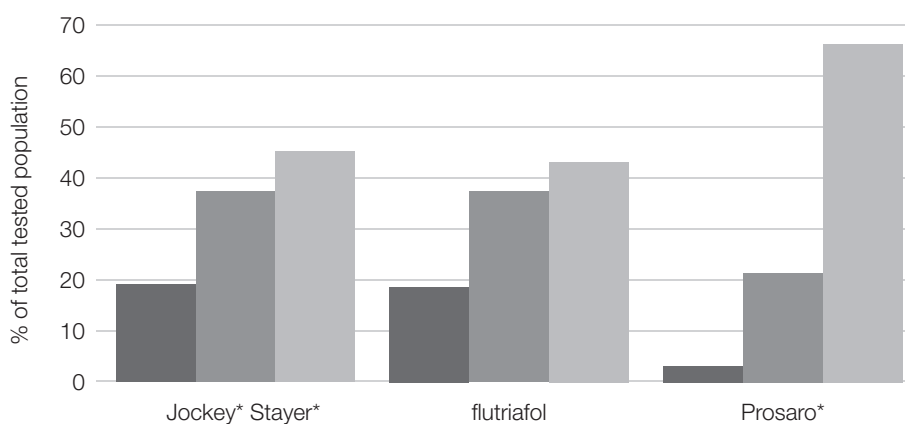
The 2017 testing mapped and graphed below showed that Group 3 resistance is widespread and hard to predict, confirming the need to reduce reliance on DMI chemistry.

Distribution of DMI resistance in 2017

Fungicide resistance was present in 15% of the 200 tested populations. The researchers commented that there was no correlation between the regions, the previous history of fungicide application and/or the varieties where resistance was present.



Source: Van de Wouw AP et al. PLoS ONE 12(11) 2017: e0188106. <https://doi.org/10.1371/journal.pone.0188106>



Risk ratings: ■ High ■ Medium ■ Low

Source: SJ Marcroft

Levels of resistance risk

These contrasting levels of risk suggest that using IleVO as a seed treatment with Prosaro as a follow-up foliar spray may be the optimal rotation to minimise resistance issues.

Spreading the load

The GRDC's Blackleg Management Guide warns that 'relying only on fungicides to control blackleg poses a high risk of fungicide resistance'. The other key management practices they recommend are:

- Never sowing canola crop into the previous year's canola stubble
- Choosing a canola variety with adequate blackleg resistance for the region
- Monitoring canola in Spring to determine yield losses in the current crop
- Switching to a variety from a different blackleg resistance group if the same cultivar has been grown for three years or more and monitoring detects yield loss

For more information on IleVO, visit crop-solutions.basf.com.au or contact your local BASF representative on 1800 558 399

ALWAYS READ AND FOLLOW LABEL DIRECTIONS.

This leaflet is intended as general advice. Disclaimer: The information submitted in this publication is based on current BASF knowledge and experience. In view of the many factors that may affect its application, this data does not relieve the user from carrying out their own tests. The data does not imply assurance of certain properties or of suitability for a specific purpose. It is the responsibility of the user to ensure that any proprietary rights and existing laws and legislation are observed.