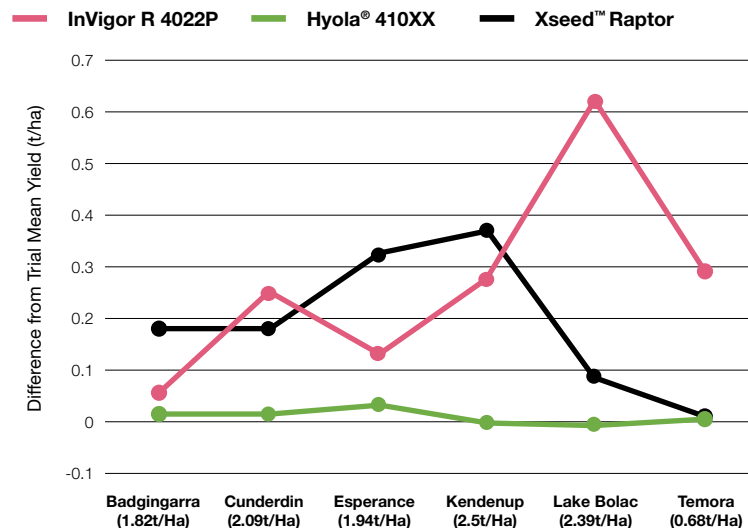


## NEW InVigor® R 4022P

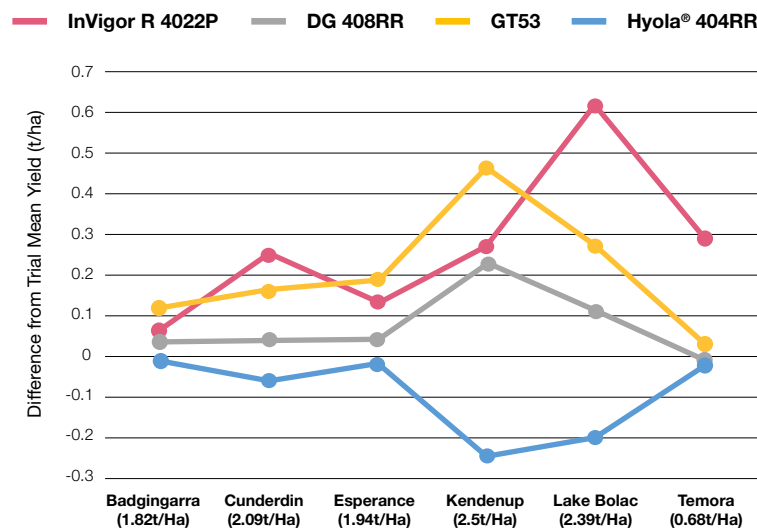
### True flexibility means true performance

Great performance across geographically diverse growing regions.

#### InVigor R 4022P vs other TruFlex hybrids



#### First generation RR Hybrids



Results for DG408 at Cunderdin, Kendenup and Lake Bolac are based on predictive yield modelling. Data from industry trials contracted by Monsanto during 2018.

The best seed comes with the best seed treatments:

**Poncho Plus**  
Insecticide

A highly effective broad-spectrum insecticide

**leVO** NEW  
Seed Treatment Fungicide

A powerful new fungicide for protection against blackleg

#### Find out more at [myseed.com.au](http://myseed.com.au)

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**BASF**  
We create chemistry

**MySeed™**  
*My Choice!*

### Grow your InVigor hybrid canola variety with confidence.

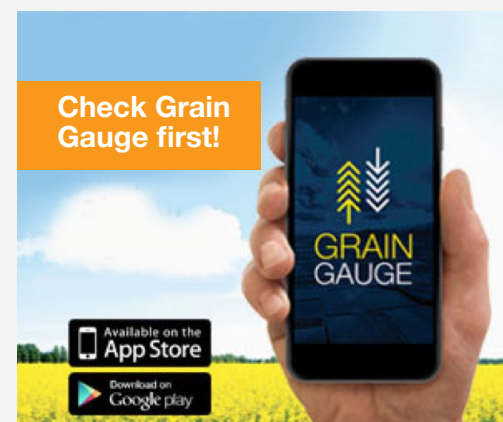
#### Replace MySeed™

You're covered for the first 45 days if your crop fails to establish.\*\*

#### Pay@Harvest™

Pay nothing for your InVigor® hybrid seed until Nov 30, 2020.

### Need help marketing your grain and getting the best price?



**MySeed™**  
*My Choice!*



NEW

## InVigor® R 4022P

**TruFlex®**  
CANOLA with Roundup Ready® Technology



### Get superior weed control **plus** unrivalled harvest flexibility

This NEW InVigor® variety combines TruFlex® with Roundup Ready® technology and BASF's unique PodGuard® trait technology to give growers greater yield potential and true flexibility from sowing to harvest.

#### So why choose InVigor R 4022P?

It is a high-yielding and highly blackleg-resistant variety that has performed well in industry trials, making it ideal for growers seeking the added security and comfort of growing a variety with:

#### TruFlex with Roundup Ready® technology:

- Extended application window from emergence to first flower
- Greater flexibility in spray rates to help improve weed control

#### PLUS

#### PodGuard:

- Greater flexibility to harvest when you're ready
- Windrow later to achieve maximum pod fill
- Direct head when you're ready, even bigger crops
- Less loss through mechanical shattering during harvesting or unpredictable weather

#### Variety profile:

Herbicide tolerance:	Roundup Ready
Maturity:	Early-Mid (4)
Rating:	R (expected)
Blackleg group:	TBC
PodGuard:	Yes

#### VIGOUR:



#### OIL:



#### HEIGHT:



0 5 10

Rating: 0 = Poor 10 = Excellent

**BASF**  
We create chemistry



NEW

# InVigor<sup>®</sup> R 4022P

**TruFlex<sup>®</sup>**  
CANOLA with Roundup Ready<sup>®</sup> Technology



## Enjoy the benefits of true flexibility that only InVigor<sup>®</sup> R 4022P can deliver

### Extended spray window

- greater flexibility in spray rates to help improve weed control



NEW **TruFlex<sup>®</sup>**  
CANOLA with Roundup Ready<sup>®</sup> Technology



**ROUNDUP READY**  
Emergence to 6-leaf

### Extended harvest window with PodGuard<sup>®</sup> varieties

Windrow later or direct head with less risk of shattering and yield loss.

90% seed colour change.

**PODGUARD VARIETY**

YIELD

**STANDARD VARIETY**

YIELD



### THE PODGUARD Paddock ADVANTAGE



**Replace MySeed<sup>™</sup>**

You're covered by our 45 day crop establishment cover.\*\*

\*\*Terms & Conditions apply, see myseed.com.au for full details.

**60-70% seed colour change. Windrow ordinary TruFlex varieties here.**

- ✓ Plant additional canola with more time to harvest
- ✓ Worry less about the threat of extreme weather
- ✓ Allow time for the whole paddock to mature
- ✓ Direct head or windrow
- ✓ Harvest more valuable crops first
- ✓ Up to 13%\* yield gain through extra pod fill and less shattering during the harvest process

\*Data compiled from 26 Paddock demonstration trials in 2015 (with IH51RR) and 19 trials with IH51RR and InVigor R5520P in 2016.



# Recommended resistance management

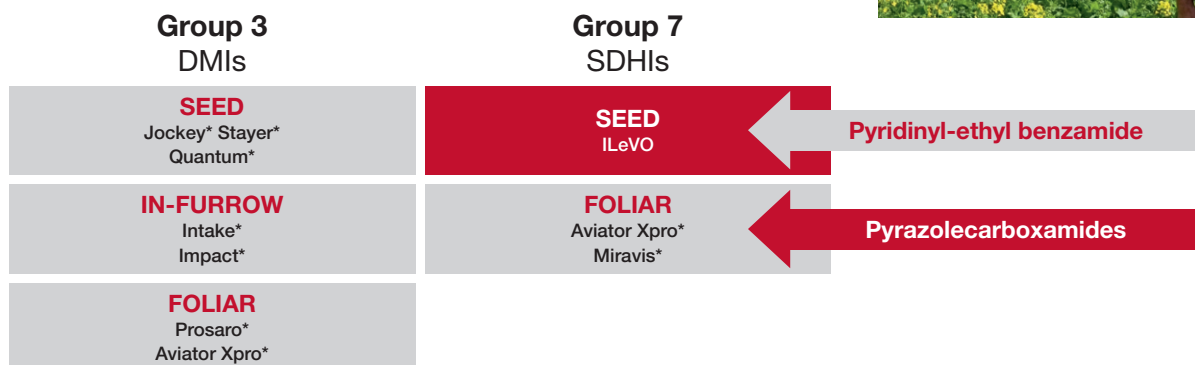


Seed Treatment Fungicide

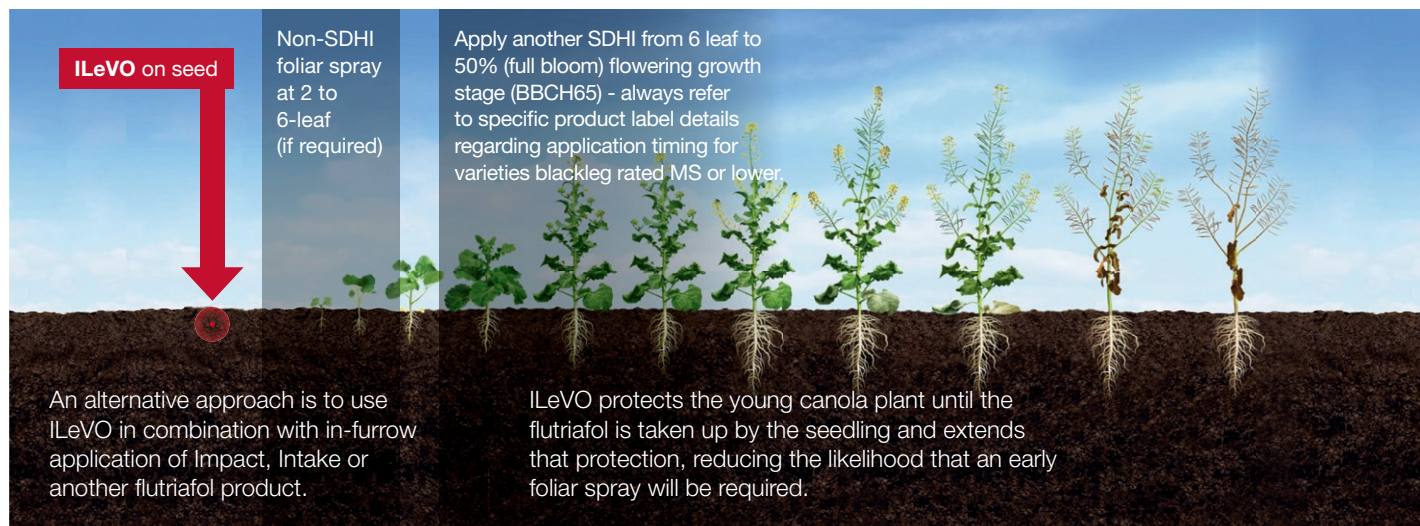
The introduction of new ILeVO® as a seed treatment for canola adds new levels of efficacy and flexibility to blackleg management programs. As always with the addition of new chemistry, that means the overall product mix will have to be reviewed to avoid over-reliance on a single class of chemistry.

- 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)





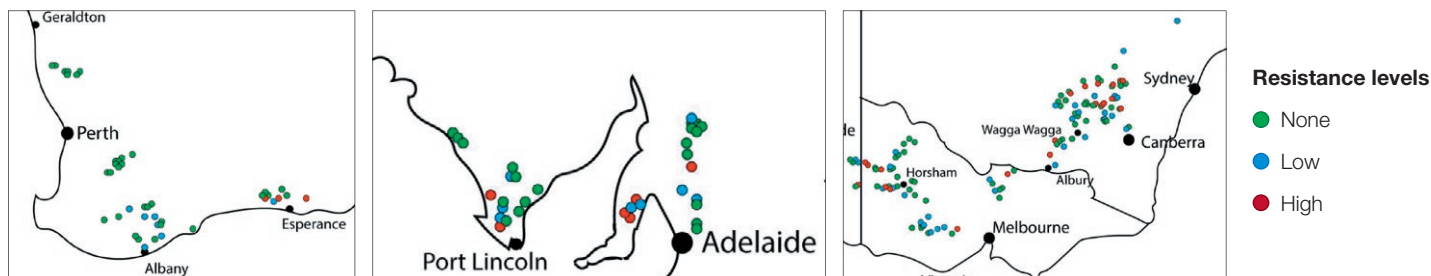
## Seed Treatment Fungicide

### The resistance pressure on DMIs

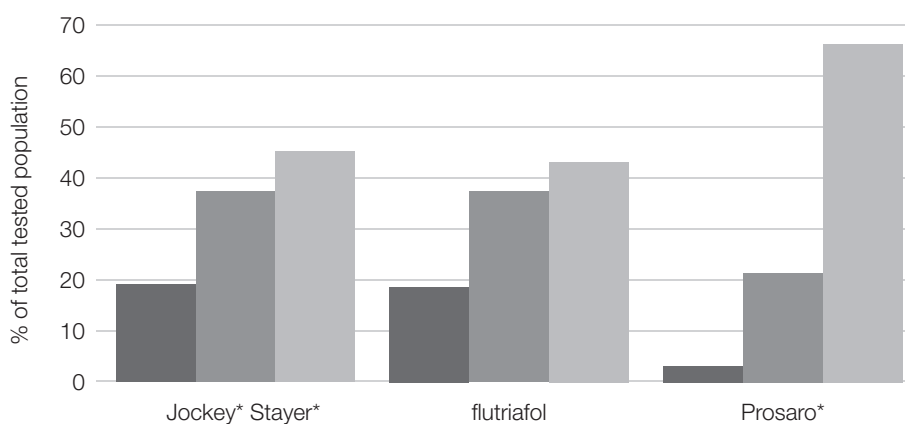
The 2017 testing mapped and graphed below showed that Group 3 resistance is widespread and hard to predict, confirming the need to reduce reliance on DMI chemistry.

#### 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](http://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.