Combining extra yield potential with PodGuard® flexibility

One of only two PodGuard and InVigor® varieties released so far, InVigor R 5520P is a new RR hybrid with very high yield potential in medium and high rainfall zones. Trial results have been very positive, and our expectation is that, like IH51RR, InVigor R 5520P will perform even better in the paddock for growers who take full advantage of its outstanding harvest timing flexibility.

- The first Australian InVigor variety branded with Bayer's unique pod shatter reduction trait technology.
- Minimised shattering provides a PodGuard Paddock Advantage, even without extreme weather events, with an average yield benefit measured at 11% in 2015.
- Mid to late maturity, with an extended harvest window.
- Swath or direct-head later, achieving maximum pod fill.

InVigor® R 5520P

Roundup Ready CANOLA

POD GUARD TECHNOLOGY INSIDE

What's behind the name?

InVigor® R 5520P — PodGuard

- Roundup Ready
- Between Mid and Mid–Late maturity
- First in the 20 (RR) series

With later maturity than IH51RR and even higher yield potential, InVigor R 5220P is now the preferred PodGuard variety in medium to high rainfall areas.

Variety description

Herbicide tolerance:	Roundup Ready hybrid variety
Blackleg grouping:	AC
Blackleg rating:	R (treated with Jockey® Stayer®)
Alternative to: Other RR hybrids TT varieties	 45Y25, GT53, Hyola® 600RR Mako, Gem, Bonito
Flowering maturity:	Mid
Vigour:	High
Yield range:	2–4 t/ha
Oil:	High
Plant height:	Medium
Lodging resistance:	Good
PodGuard:	Yes

Seed size (indicative only)

Seeds per kg:	200,000†

†Based on preliminary seed productions.

Suggested growing areas for InVigor R 5520P

Seed treatments

Jockey Stayer®	Vital early-season blackleg suppression.
PONCHO® PLUS	Systemic broad-spectrum control of wireworm, cutworm, aphids, redlegged earth mites and blue oat mites, and suppression of lucerne fleas.

THE PODGUARD® PADDOCK ADVANTAGE

Canola without the compromises

Without the added security and flexibility of PodGuard, growing and – especially – harvesting canola involves compromises at every stage. Swathing and harvest timings are largely dictated by the risk of yield loss through pod shatter. But of course, harvesting before canola reaches its peak causes yield loss in itself.

PodGuard changes the whole equation. With such a low risk and incidence of shattering, growers have the freedom to:

Wait until up to 90% colour change to swath

Plant extra canola with more time to harvest

Direct-head rather than swath

Worry less about the threat of extreme weather

Allow time for the whole paddock to mature

Rely on the pods being very secure

Harvest more valuable crops first

Enjoy the PodGuard Paddock Advantage

PODGUARD GAVE 11%* MORE IN 2015

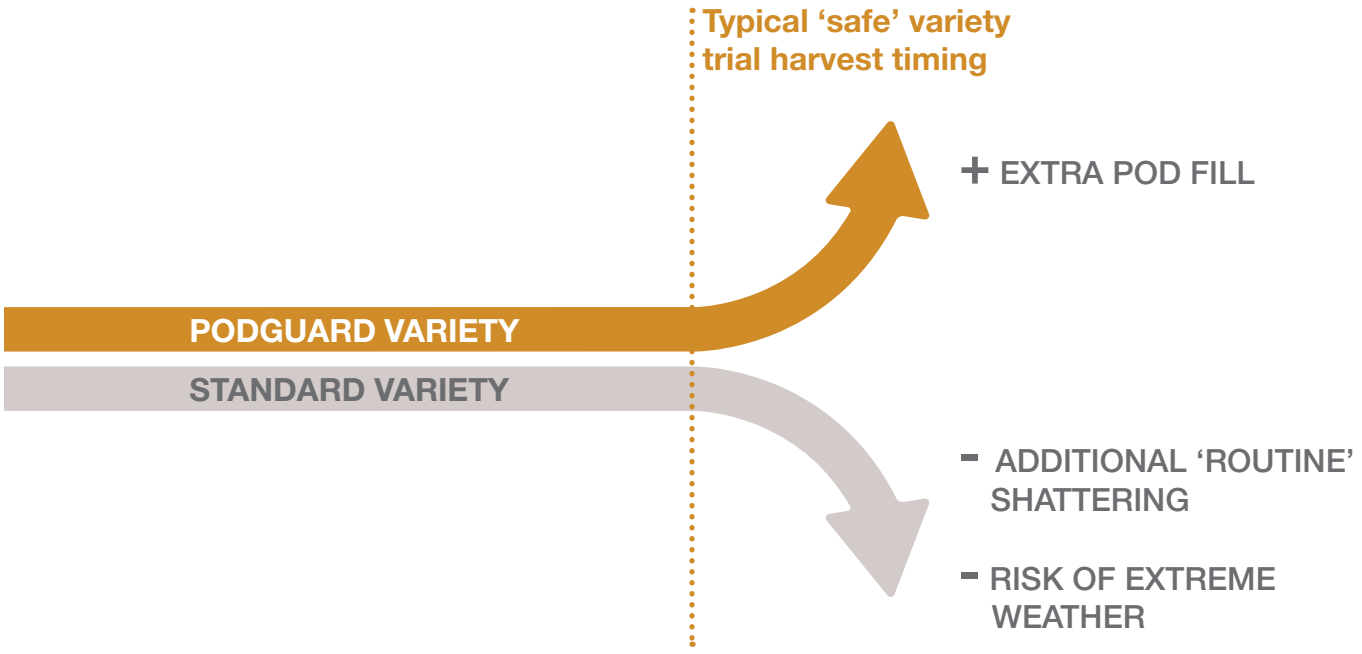
Some level of 'routine' pod shattering occurs in nearly all canola crops and – because it's such a regular occurrence – goes almost unnoticed. It happens:

- When ripe pods over-mature while you harvest other crops.
- When part of a paddock matures more quickly than the rest.
- During the swathing process.
- During harvesting, whether direct-heading or picking up swaths.

Variety trials are normally desiccated and harvested at 'safe' timings that suit shattering varieties but are typically too early to show the full advantages of PodGuard.

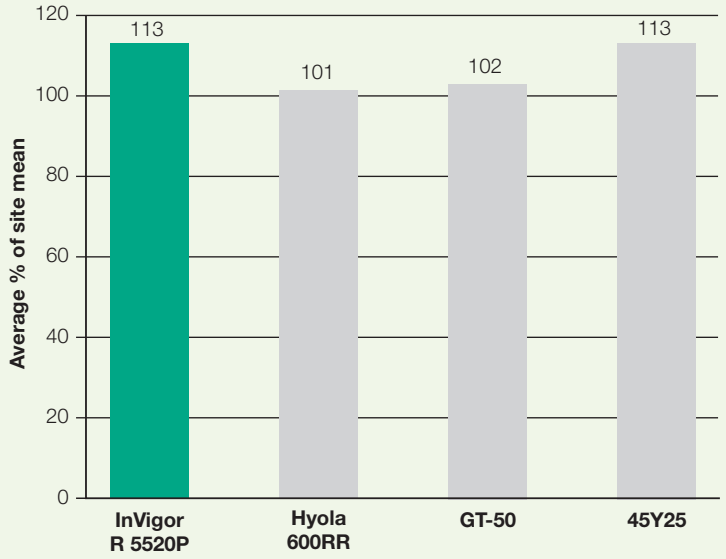
In 2015 Bayer collected data from growers that showed an average difference between NVT results and the commercial crop yields of PodGuard varieties of +11%.

The PodGuard paddock advantage in 'extra time'



* When 26 paddock demonstration results were compared with all the NVT results involving IH51RR and its key competitors across Australia in 2015, IH51RR did an average of 11% better in growers' paddocks. The PodGuard trait has been shown time and again to improve varietal yields in the paddock compared to small-plot variety trials.

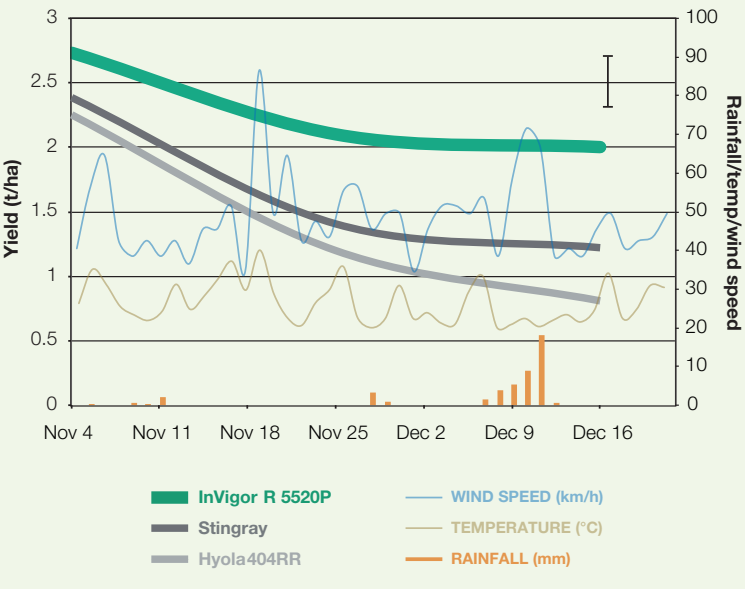
Eye-catching NVT results in WA



Average of the only two 2015 WA NVTs that included these four varieties.

…plus an unbeatable advantage when things turn nasty

This graph shows the comparative drops in yield of InVigor R 5520P, Stingray and Hyola 404RR when harvest was delayed through a hot spell which included one major shattering event with very high wind. InVigor R 5520P began with the highest yield and shed far less than the other two varieties, confirming both its high yield potential and exceptional resilience.



Experiment conducted by Mark Seymour (DAFWA) as part of the GRDC-funded 'Tactical Break Agronomy in WA' project (DAW00227).

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