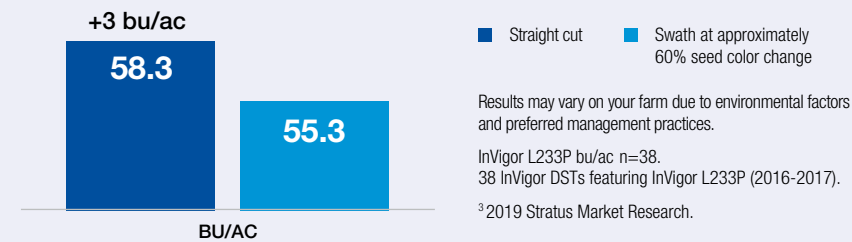


The movement continues.

With close to 40% of Canadian canola acres being straight cut at harvest,³ growers continue to adopt this technology at a rapid pace to give them the flexibility they need at harvest.

Three-bushel yield increase for InVigor L233P when straight cut.



Tips for straight cutting.

- **Monitor seeding rate to achieve desired target plant population** – We recommend targeting a uniform plant population of 5 to 7 plants/ft² by adjusting seeding rates based on the TSW range of the seed
- **Eliminate weeds** – Clean fields are easier to straight cut; weeds, when still green, can cause both harvest and storage issues
- **Be on the lookout for green plant material** – Monitor your harvested canola seed even if it comes off dry as there is a greater chance of plant material making it into the sample
- **Maintain appropriate combine and reel speeds** – You must re-evaluate all of your combine settings when straight cutting, which could involve slower harvest speeds; if you are using a reel, ensure the speed of the reel matches the speed of your combine
- **Consider using a pre-harvest application** of Heat[®] LQ herbicide + glyphosate to reduce green material and allow the crop to dry down more evenly

Heat[®] LQ

Powered by Kixor[®] Herbicide

Have an easier harvest with Heat LQ.

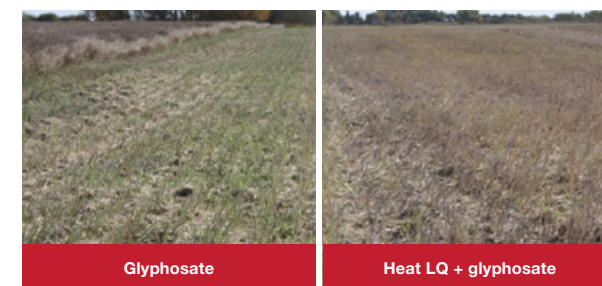
Benefits of Heat LQ pre-harvest.

- Consistent crop and weed dry down
- Improved efficiencies:
 - Complete plant dry down for easier cutting and less plugging to reduce stress at a busy time of year⁴
- Heat LQ is a perfect match with patented Pod Shatter Reduction technology hybrids, enabling an efficient harvest without impacting pod integrity

For more information on Heat LQ pre-harvest, visit agsolutions.ca/heatlqpreharvest.

⁴PAMI, 2017, Research Report. Straight cutting canola in Manitoba: Comparison of pre-harvest aids.

26 Days after treatment.



For more tips on straight cutting canola, visit agsolutions.ca/InVigor. Contact **AgSolutions[®]** Customer Care at 1-877-371-BASF (2273) for additional inquiries.

InVigor

BASF
We create chemistry

Always read and follow label directions.

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INVIGOR HYBRID CANOLA
InVigor Pod Shatter Reduction Hybrids

Shatter yield records. Not pods.

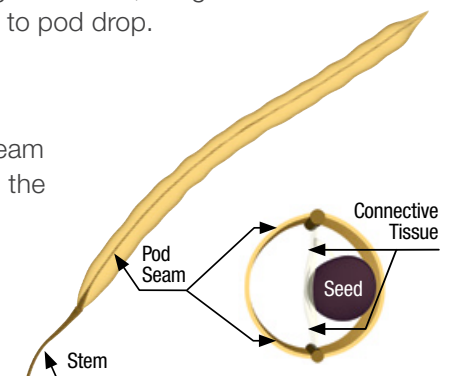
Providing growers with the option to straight cut or delay swathing canola without sacrificing yield potential, the patented Pod Shatter Reduction technology of InVigor[®] hybrid canola continues to revolutionize the way canola growers approach their entire season. Since its launch, Pod Shatter Reduction hybrids from InVigor have been grown on more than **30 million acres** across the country. These Pod Shatter Reduction hybrids continue to prove that they stand up to the elements.

With a wide selection of maturity choices, BASF is pleased to offer growers eight different high-performing InVigor canola hybrids with the patented Pod Shatter Reduction technology. These include NEW InVigor L340PC, NEW InVigor L357P, InVigor L345PC, InVigor Choice LR344PC, InVigor L233P, InVigor L255PC, InVigor L234PC and InVigor Health L258HPC. All eight hybrids also exhibit strong genetic resistance to pod drop.

How does the Pod Shatter Reduction trait work?

Pod shatter refers to the release of seeds before harvest, occurring when the pod seam and connective tissue break apart and release them. In contrast, pod drop indicates the loss of an entire pod from a weakened stem.

The patented Pod Shatter Reduction trait naturally strengthens the pod seam and connective tissue to safely retain the seeds in the pod until you are ready to harvest.



The Pod Shatter Reduction advantage.

- Helps protect your yield
- Harvest flexibility to delay swath or straight cut
- Reduces harvest loss from late fall harvests and overwintered canola
- Minimize the impact of late-season wind, hail and snow
- Longer pod fill resulting in larger seeds and maximizing yield
- Reduces volunteer canola



Break the yield ceiling.

The 300 series grows even stronger with two new additions. With the potential for the highest yields you've ever seen on your farm, these two new InVigor 300 series hybrids both harness our patented Pod Shatter Reduction technology and encompass what it means to be a 300 series hybrid.

NEW InVigor L340PC

An exciting 300 series hybrid for growers that want it all. A high-yielding, mid-maturing, Pod Shatter Reduction hybrid that offers first generation clubroot resistance¹ and strong standability.

Yield	108.9% of the new checks (InVigor L233P and Pioneer® 45H33) in 2019 WCC/RRC trials 107.8% of InVigor L233P (n=16 trials, 2019)	Traits	Patented Pod Shatter Reduction technology First generation clubroot resistance ¹
Standability	Strong	Maturity	1 day earlier than InVigor L252
Growing Zones	All growing zones	Blackleg	R – Blackleg resistant

NEW InVigor L357P

A thrilling addition to the 300 series. A Pod Shatter Reduction hybrid built for growers looking to push higher yields in non-clubroot affected areas and offers very strong standability. This hybrid also features the added benefit of exceptional blackleg resistance.

Yield	112.9% of the new checks (InVigor L233P and Pioneer® 45H33) in 2018/2019 WCC/RRC trials 109.7% of InVigor L233P (n=39 trials, 2018/2019)	Traits	Patented Pod Shatter Reduction technology Exceptional blackleg resistance
Standability	Very strong	Maturity	1/2 day later than InVigor L252
Growing Zones	Mid to long growing zones	Blackleg	R – Blackleg resistant (Very strong)

InVigor L345PC

InVigor L345PC offers a significant jump in yield potential over InVigor L233P and features our patented Pod Shatter Reduction technology plus first generation clubroot resistance. This hybrid is suitable for all growing zones.

Yield	111.9% of the checks (InVigor 5440 and Pioneer® 45H29) in the 2017/2018 WCC/RRC trials 111.4% of InVigor L233P (n=28 trials, 2018)	Traits	Patented Pod Shatter Reduction technology First generation clubroot resistance ¹
Standability	Strong	Maturity	1 day earlier than InVigor L252
Growing Zones	All growing zones	Blackleg	R – Blackleg resistant

choice InVigor LR344PC

InVigor Choice hybrid with Pod Shatter Reduction and first generation clubroot resistance. InVigor LR344PC features both the LibertyLink® technology system and TruFlex™ canola with Roundup Ready® Technology. Perfect for growers looking to combine high-yielding InVigor genetics with the flexibility of Liberty® herbicide or Roundup® herbicide applications.

Yield	104.1% of the new checks (InVigor L233P and Pioneer® 45H33) in 2018 WCC/RRC trials 103.6% of InVigor L233P (n=12 trials, 2018)	Traits	Patented Pod Shatter Reduction technology First generation clubroot resistance ¹ Both the LibertyLink technology system and TruFlex™ canola with Roundup Ready® Technology
Standability	Strong	Maturity	Over 1 day earlier than InVigor L252
Growing Zones	All growing zones	Blackleg	R – Blackleg resistant

NEW InVigor 300 series

InVigor L233P

A strong performer, InVigor L233P was grown on more acres in Western Canada than any other canola hybrid in 2019 and 2020.² Featuring patented Pod Shatter Reduction technology, this very early-maturing, high-yielding hybrid provides the harvest flexibility you can count on.

Yield	108.8% of the checks (InVigor 5440 and Pioneer® 45H29) in 2014/2015 WCC/RRC trials	Traits	Patented Pod Shatter Reduction technology
Standability	Strong	Maturity	Over 3 days earlier than the average of the checks
Growing Zones	All growing zones	Blackleg	R – Blackleg resistant

InVigor L255PC

InVigor L255PC offers Pod Shatter Reduction, first generation clubroot resistance and separates itself from other hybrids due to its very impressive standability. A great fit for growers in the mid to long growing zones.

Yield	109% of the checks (InVigor 5440 and Pioneer® 45H29) in 2016 WCC/RRC trials	Traits	Patented Pod Shatter Reduction technology First generation clubroot resistance ¹
Standability	Very strong	Maturity	1.5 days later than the average of the checks
Growing Zones	All mid to long growing zones	Blackleg	R – Blackleg resistant

InVigor L234PC

This early-maturing Pod Shatter Reduction hybrid with second generation clubroot resistance is a great fit for growers in known clubroot-affected areas. We recommend growing InVigor L234PC with second generation clubroot resistance after two cycles of growing first generation clubroot-resistant hybrids in clubroot-affected areas or when clubroot symptoms are noticed in first generation clubroot-resistant hybrids (whichever comes first).

Yield	104% of the checks (InVigor 5440 and Pioneer® 45H29) in 2017 WCC/RRC trials	Traits	Patented Pod Shatter Reduction technology Second generation clubroot resistance ¹
Standability	Good	Maturity	3 days earlier than the average of the checks
Growing Zones	All growing zones	Blackleg	R – Blackleg resistant

health InVigor L258HPC

InVigor Health L258HPC is a clubroot-resistant canola hybrid suitable for straight cutting. This is the first InVigor Health hybrid with patented Pod Shatter Reduction technology plus first generation clubroot resistance. This high-yielding, strong-standing hybrid is suitable for mid to long growing zones.

Yield	104.9% of the checks (InVigor 5440 and Pioneer® 45H29) in 2017 WCC/RRC trials	Traits	Specialty oil Patented Pod Shatter Reduction technology First generation clubroot resistance ¹
Standability	Very strong	Maturity	1.5 days later than the average of the checks
Growing Zones	All mid to long growing zones	Blackleg	R – Blackleg resistant

Please note: Maturity and standability are based on performance ratings and data compiled from several InVigor internal trials over multiple years. Results may vary on your farm due to environmental factors and preferred management practices.

n=number of balanced trials.

¹ To predominant clubroot pathotypes found in Canada at the time of registration. InVigor L340PC, InVigor L345PC, InVigor Choice LR344PC, InVigor L255PC and InVigor Health L258HPC all share the same first generation clubroot resistance profile. InVigor L234PC has this resistance profile plus it contains second generation multigenic clubroot resistance to additional clubroot pathotypes to help combat evolving clubroot pathotypes.

² 2019 and 2020 BPI (Business Planning Information) data.