Often imitated, never duplicated.

Two years ago, we introduced a whole new series of InVigor® hybrid canola: the 300 series. These hybrids demonstrated such unprecedented levels of performance that they deserved a whole new series. This year we’re introducing a new hybrid that encompasses what it means to be a 300 series InVigor hybrid from BASF. The proof is in the bin.

The 300 series grows.

**NEW**

### InVigor L343PC

New InVigor L343PC combines performance with protection. This high-yielding Pod Shatter Reduction hybrid contains second-generation clubroot resistance and offers a significant yield increase over InVigor L234PC plus improved standability.

We recommend growing InVigor L343PC with second-generation clubroot resistance in clubroot-affected areas after two cycles of growing first-generation clubroot-resistant hybrids or when clubroot symptoms appear in first-generation clubroot-resistant hybrids.

| Yield | 111.3% of the checks (InVigor L233P and Pioneer® 45H33) in 2019 & 2020 WCC/RRC® trials 106% of InVigor L233P (n=43 2019 & 2020) | Traits | Patented Pod Shatter Reduction technology Second-generation clubroot resistance LibertyLink® technology system |
| Standability | Strong | Maturity | 1 day earlier than InVigor L252 |
| Growing Zones | All growing zones in the U.S. spring canola market | Blackleg | R – Blackleg resistant |

### InVigor L340PC

An exciting 300 series hybrid for growers that want it all. A high yield potential, mid-maturing, Pod Shatter Reduction hybrid that offers first-generation clubroot resistance 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 |
| Standability | Strong | Maturity | 1 day earlier than InVigor L252 |
| Growing Zones | All growing zones in the U.S. spring canola market | Blackleg | R – Blackleg resistant |

### 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 |
| Standability | Strong | Maturity | 1 day earlier than InVigor L252 |
| Growing Zones | All growing zones in the U.S. spring canola market | 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 Choice LR344PC, InVigor L345PC and InVigor L255PC share the same first-generation clubroot resistance profile. InVigor L343PC has this resistance profile plus it contains second-generation multigenic clubroot resistance to additional clubroot pathotypes to help combat evolving clubroot pathotypes.

2 Western Canadian Canola/Rapeseed Recommending Committee.

3 This product Is approved for planting in Washington, Oregon, Idaho, Montana and the following counties of North Dakota: Divide, Williams, McKenzie. For additional information please contact your BASF representative.
Get the most out of InVigor with industry-leading unit (seed count) packaging.

Every bag seeds 10 acres at 10 seeds/ft².
New InVigor packaging makes it easier to achieve the recommended InVigor target plant population (TPP) of 5 to 7 plants/ft².

InVigor is packaged into bags featuring four different thousand seed weight (seeds per pound) ranges with recommended seeding rates to plant 10 acres at 10 seeds/ft². Assuming a typical survival rate from seeding to harvest of 50 to 70%, that will result in the optimal TPP of 5 to 7 plants/ft² at harvest.

All four bag sizes contain at least 4.25 million seeds. InVigor bulk bags will contain 20 units, or a minimum of 85 million seeds, which plant 200 acres at 10 seeds/ft².

Four seed size ranges = four different lb/A seeding rates to achieve 10 seeds/ft².

**Advantages of unit packaging:**
**Planning:** Each unit will plant 10 acres.

**Consistency:** Each unit contains the same number of seeds.

**Simplicity:** Recommended seeding rate (lb/A) is clearly displayed.

**Optimal yield:** Seeding 10 seeds/ft² results in optimal final plant population.

**Clear packaging:** Seed size ranges and seeding rates simplify drill calibration.

<table>
<thead>
<tr>
<th>BAG RANGE</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Recommended seeding rate</strong>*</td>
<td>4.2 lb/A (~10 SEEDS/FT²)</td>
<td>4.7 lb/A (~10 SEEDS/FT²)</td>
<td>5.2 lb/A (~10 SEEDS/FT²)</td>
<td>5.7 lb/A (~10 SEEDS/FT²)</td>
</tr>
<tr>
<td><strong>Thousand seeds/lb</strong></td>
<td>~113-103</td>
<td>~103-92</td>
<td>~92-84</td>
<td>~84-77</td>
</tr>
<tr>
<td><strong>Unit bag weight</strong></td>
<td>42.2 lbs</td>
<td>47.0 lbs</td>
<td>51.8 lbs</td>
<td>56.7 lbs</td>
</tr>
<tr>
<td><strong>Minimum seeds/unit bag</strong></td>
<td>4.25 million</td>
<td>4.25 million</td>
<td>4.25 million</td>
<td>4.25 million</td>
</tr>
<tr>
<td><strong>Bulk bag weight (20 units)</strong></td>
<td>844 lbs</td>
<td>940 lbs</td>
<td>1,036 lbs</td>
<td>1,134 lbs</td>
</tr>
<tr>
<td><strong>Minimum seeds/tote (mini-bulk) bag</strong></td>
<td>85 million</td>
<td>85 million</td>
<td>85 million</td>
<td>85 million</td>
</tr>
</tbody>
</table>

* Recommended seeding rates are calculated according to seeding approximately 10 seeds/ft² and an average survivability of 50 to 70%, resulting in 5 to 7 plants/ft² at harvest. Results may vary on your farm due to environmental factors and preferred management practices.
Get the most out of InVigor by targeting a harvest plant population of 5 to 7 plants/ft².

- Increased plant productivity and yield performance
- More efficient use of available moisture, nutrient and sunlight resources
- Improved weed control and reduced intra-crop competition
- Elevated stress tolerance
- More even maturity and uniform plant structure
- Improved lodging resistance and lower sclerotinia incidence

The agronomic benefits of a TPP of 5 to 7 plants/ft²:

- **Low plant population**: More branching, woody stems and delayed maturity.
- **Ideal plant population**: Ideal plant structure and maturity will optimize yield.
- **High plant population**: Reduced branching, weaker stems and earlier maturity.

Extensive field-scale research trials conducted by the BASF Agronomic Excellence team show that a TPP of 5 to 7 plants/ft² at harvest optimizes the agronomic performance, consistency and yield of InVigor hybrid canola.


Our complete line of canola crop protection solutions can help you harvest even greater success. Learn how each of our products supports your InVigor hybrid canola right from the start to help maximize yield potential.

**Canola solutions.**

Contact your BASF Sales Representative or retailer for more information.