The Clearfield® Production System for Canola
Clearfield Canola

- The Clearfield® Canola System is the only system that offers control of flushing weeds in one-pass and provides flushing control of volunteer canola and cleavers.
- Earn premiums through specialty non-gmo contracts and Nexera specialty oil.
- The Clearfield Canola System offers new, high yielding hybrids from leading seed partners.
Clearfield canola varieties

The **Clearfield** Production System has the canola hybrid for every need.

<table>
<thead>
<tr>
<th>Brevant seeds canola for Nexera™ contracts</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Nexera 2024 CL</td>
<td>Nexera 2026 CL</td>
</tr>
<tr>
<td>• Improved yield potential</td>
<td>• Improved yield potential</td>
</tr>
<tr>
<td>• Good early-season vigour</td>
<td>• Good early-season vigour</td>
</tr>
<tr>
<td>• Multi-gene blackleg resistance</td>
<td>• Multi-gene blackleg resistance</td>
</tr>
<tr>
<td>• Excellent standability</td>
<td>• Excellent standability</td>
</tr>
<tr>
<td>• Pod-shatter reduction</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Pioneer® canola</th>
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</tr>
</thead>
<tbody>
<tr>
<td>PHL 46H75 CL</td>
<td>PHL 45H76 CL</td>
</tr>
<tr>
<td>• Excellent early growth</td>
<td>• Mid-maturity hybrid</td>
</tr>
<tr>
<td>• Outstanding standability and harvestability</td>
<td>• Very good standability</td>
</tr>
<tr>
<td>• Resistant to blackleg</td>
<td>• Resistant to blackleg and fusarium wilt</td>
</tr>
<tr>
<td>• Good straight-cut rating</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Proven® canola</th>
<th>Cargill canola</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proven PV 200 CL</td>
<td>Victory® V33-1CL</td>
</tr>
<tr>
<td>• Mid-season high-yielding hybrid</td>
<td>• Multi-gene blackleg resistance</td>
</tr>
<tr>
<td>• Strong resistance to blackleg</td>
<td>• Late maturity</td>
</tr>
<tr>
<td>• Excellent standability rating</td>
<td>• Excellent standability</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BrettYoung™ canola</th>
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</thead>
<tbody>
<tr>
<td>BrettYoung 5545 CL</td>
<td>BrettYoung 5535 CL</td>
</tr>
<tr>
<td>• Blackleg resistant</td>
<td>• Blackleg resistant</td>
</tr>
<tr>
<td>• Excellent standability</td>
<td>• Very good standability</td>
</tr>
<tr>
<td>• Mid-maturity</td>
<td>• Mid-maturity</td>
</tr>
<tr>
<td>• Excellent yield</td>
<td>• Excellent yield</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Canterra canola</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CS2500 CL &quot;NEW&quot;</td>
<td>CS2200 CL</td>
</tr>
<tr>
<td>• Excellent yield potential</td>
<td>• Strong yield potential</td>
</tr>
<tr>
<td>• Multi-gene blackleg resistance</td>
<td>• Multi-gene blackleg resistance</td>
</tr>
<tr>
<td>• Excellent lodging resistance</td>
<td>• Excellent lodging resistance</td>
</tr>
</tbody>
</table>
Ares® herbicide for Clearfield Canola
Ares Herbicide

- Only herbicide-tolerant canola system that controls emerged volunteer canola, non-Group 2 cleavers, wild buckwheat and lamb’s quarters

- Controls subsequent flushes of volunteer canola (Roundup Ready® & LibertyLink®) and non-Group 2 cleavers

- Wide window of application on both crop and weeds

- Liquid formulation for control of both broadleaf and grassy weeds
- **Ares**
  - **Clearfield** Production System Herbicide
- **One case treats 40 acres**
  - 1 jug (9.8L) of Ares® liquid herbicide
  - 1 jug (8.1L) of Merge® liquid surfactant (Merge included)
- **Formulation: liquid concentrate**
  - Active ingredients: 33 g/L imazamox + 15 g/L imazapyr
- **Rate: 245 ml/acre**
- **Ground application at 5 to 10 gal/ac water volume**
- **Clearfield canola**: 2 to 7 true-leaf stage (prior to bud and flower formation)
Herbicide System Comparison

- Ares provides the widest weed staging window

<table>
<thead>
<tr>
<th>Key Weeds</th>
<th>Ares</th>
<th>Roundup®</th>
<th>Liberty® + Group 1 graminicide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wild buckwheat</td>
<td>1 to 6 leaf</td>
<td>3 to 4 leaf</td>
<td>1 to 3 leaf</td>
</tr>
<tr>
<td>Lamb’s quarters</td>
<td>1 to 6 leaf</td>
<td>&lt;6 inches</td>
<td>1 to 6 leaf</td>
</tr>
<tr>
<td>Cleavers</td>
<td>1 to 4 whorls</td>
<td>&lt;6 inches</td>
<td>1 to 2 whorls</td>
</tr>
<tr>
<td>Wild oats</td>
<td>1 to 6 leaf</td>
<td>1 to 6 leaf</td>
<td>1 to 6 leaf</td>
</tr>
</tbody>
</table>
Ares Grassy Weed Control

- Barnyard grass
- Green foxtail
- Spring germinating Japanese brome grass
- Wild oats
- Yellow foxtail
- Persian darnel
- Volunteer canary seed
- Volunteer durum wheat
- Volunteer barley
- Volunteer tame oats
- Volunteer spring wheat (non-Clearfield wheat)

**Weed staging:**
Grassy weeds: 1 to 6 true leaf stage with up to 2 tillers
Japanese brome: 1 to 4 leaf stage
Ares Broadleaf Weed Control

- Cleavers
- Chickweed
- Cow cockle
- Green smartweed
- Hemp-nettle
- Lamb’s quarters
- Redroot pigweed
- Round-leaved mallow
- Russian thistle
- Shepherd’s-purse
- Stinkweed
- Stork’s bill
- Volunteer canola (non-Clearfield canola varieties only)
- Volunteer tame mustard
- Wild buckwheat
- Wild mustard

**Weed staging:**
- Broadleaf weeds: cotyledon to 4 leaf stage
- Lamb’s quarters and wild buckwheat: cotyledon to 6 leaf stage
Ares Flushing Weed Control

Ares provides reliable flushing weed control on the following weeds:

- Stinkweed
- Shepherd’s-purse
- Stork’s-bill
- Redroot pigweed
- Volunteer canola (non-Clearfield)
- Green foxtail
- Chickweed (non-Group 2)
- Cleavers (non-Group 2)
- Wild mustard (non-Group 2)
Ares Follow Crop Options

One (1) year after application, the following crops may be grown:
- Canary seed
- Chickpeas
- Field peas
- Field corn
- **Clearfield** canola
- **Clearfield** juncea
- Lentils, including **Clearfield** lentils
- Spring wheat, including **Clearfield**
- Spring wheat
- Spring barley
- Tame oats

Soybeans can be planted one year after Ares application.

Two (2) years after application, the following crops may be grown:
- Canola (all types)
- Flax
- Sunflower
- Durum wheat
<table>
<thead>
<tr>
<th>Reason</th>
<th>Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flushing weed control</td>
<td>#1</td>
</tr>
<tr>
<td>Improved weed control</td>
<td>#2</td>
</tr>
<tr>
<td>Volunteer canola control</td>
<td>#3</td>
</tr>
<tr>
<td>Clearfield Production contracts</td>
<td>#4</td>
</tr>
</tbody>
</table>
Clearfield Canola
Product Options
Ares is only registered for use in the Prairie provinces.
- Not registered for use in the Peace River region of Alberta or British Columbia
- Can be used as an alternative treatment in this region
- Reliable control of tough weeds
- Excellent re-cropping flexibility

Solo® ADV herbicide

<table>
<thead>
<tr>
<th>ACTIVE INGREDIENTS</th>
<th>ONE CASE CONTAINS</th>
<th>CROPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Imazamox (Group 2)</td>
<td>2 x 6.5 L jugs or 3 x 4.33 L jugs One case treats 40 acres.</td>
<td><strong>Clearfield</strong> canola (2 to 6 leaf) <strong>Clearfield</strong> canola quality <em>Brassica juncea</em> (2 to 6 leaf) <strong>Clearfield</strong> lentils (1 to 9 node) <strong>Clearfield</strong> sunflowers (2 to 8 leaf) <strong>Clearfield XCEED®</strong> <em>Brassica juncea</em> (2 to 6 leaf) Soybeans (cotyledon to 4 leaf)</td>
</tr>
</tbody>
</table>

**WEEDS CONTROLLED**

- **Selected broadleaf weeds (cotyledon to 4 leaf stage)**
  - Cleavers (1 to 4 whorls), ¹ cow cockle, green smartweed, lamb’s quarters, redroot pigweed, round-leaved mallow,² Russian thistle, shepherd’s purse, stinkweed, volunteer canola,² wild buckwheat,¹ wild mustard

- **Selected grasses (1 to 4 true leaf stage)**
  - Barnyard grass, green foxtail, Japanese brome grass,¹ Persian darnel, volunteer barley, volunteer canary seed, volunteer durum wheat, volunteer spring wheat,² volunteer tame oats, wild oats, yellow foxtail

¹ Suppression only.
² Non-Clearfield varieties.
## Facet L Technical Information

### ACTIVE INGREDIENTS
Quinclorac (Group 4 and 26)

### ONE CASE CONTAINS
2 x 9.07 L jugs  
One case treats 65 to 160 acres, depending on rate used.

### CROPS
Canola (pre-seed/pre-emergence to 6 leaf)  
Wheat (spring and durum) (1 to 5 leaf)  
Barley (spring) (1 to 4 leaf)  
Canary seed (3 to 5 leaf)  
See label for complete list of crops.

### WEEDS CONTROLLED

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Selected broadleaf weeds</strong></td>
<td>Cleavers (1 to 3 whorls), ¹ sow thistle (annual and perennial) (2 to 6 leaf)²</td>
</tr>
<tr>
<td></td>
<td><strong>Selected grasses</strong></td>
</tr>
<tr>
<td></td>
<td>Barnyard grass (1 to 5 leaf), green foxtail (up to 2 tillers), ³ volunteer flax (1 to 8 cm)</td>
</tr>
</tbody>
</table>

1. Suppression only.
2. For control of secondary flushes, use higher application rate of 279 ml/ac (690 ml/ha).
3. For suppression of secondary flushes, use higher application rate of 227 ml/ac (560 ml/ha).
BASF Canola Products
Frequently Asked Questions

I don’t want to grow Clearfield canola because I want re-cropping flexibility the next year. What are my options?
There are other chemistry options that allow growers to seed non-Clearfield canola the following season – Solo ADV for example.

I can’t grow winter wheat or durum wheat if I use Ares herbicide. Is there another herbicide I can use?
There are other chemistry options, including Solo ADV, that can be used if you want to seed winter wheat in the fall, and Odyssey® Ultra can be used if durum wheat is a concern the following season.
I like to save Group 2 chemistry for pulse and cereal crops. It is a good practice to rotate herbicide chemistry; however, there are lots of options in these crops to tank mix with other herbicide groups to manage resistance.

How do I control Clearfield canola volunteers in my pulses? We recommend a pre-seed application of Heat® LQ to manage canola volunteers early in the spring. Viper® ADV also controls volunteer Clearfield canola in field peas.

I can’t use Ares herbicide if I want to underseed alfalfa. What options do I have in this situation? Odyssey Ultra can be used if underseeding alfalfa.