

Container Label

GROUP	4	26	HERBICIDE
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**Facet® L**

Herbicide

SOLUTION

FOR SALE FOR USE IN THE PRAIRIE PROVINCES AND INTERIOR  
OF BRITISH COLUMBIA (INCLUDING THE PEACE RIVER REGION) ONLY

**COMMERCIAL (AGRICULTURAL)**

**ACTIVE INGREDIENT:** Quinclorac, present as the dimethylamine salt..... 180 g/L

**REGISTRATION NO. 31539**

**PEST CONTROL PRODUCTS ACT**

**IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY  
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT  
1-800-454-2673**

**READ THE LABEL AND ATTACHED BOOKLET BEFORE USING**

**KEEP OUT OF REACH OF CHILDREN**

**NET CONTENTS:** 0.1 - 1000 L and BULK

BASF Agricultural Solutions Canada Inc.  
510 - 28 Quarry Park Blvd. SE  
Calgary, Alberta T2C 5P9  
1-877-371-2273

FACET is a registered trade-mark of BASF SE, used under license by BASF Agricultural Solutions Canada Inc.

## PRECAUTIONS

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Do not take internally. Harmful if swallowed.
3. Avoid breathing spray and mist. Use with adequate ventilation.
4. Avoid contact with skin, eyes or clothing.
5. Wash thoroughly after handling and before eating, drinking or smoking.
6. Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. Gloves are not required during ground bloom application within a closed cab.
7. If clothing becomes contaminated, remove immediately and wash separately from household laundry before reuse.
8. Clean spray equipment thoroughly after use. Refer to sprayer clean-up section.
9. Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.
10. Apply only to agricultural crops when the potential for drift to areas of human habitation and areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

## FIRST AID

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

## TOXICOLOGICAL INFORMATION

Treat symptomatically.

## ENVIRONMENTAL PRECAUTIONS

TOXIC to non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE.

This product demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

To reduce runoff from treated areas into aquatic habitats, avoid application to areas with a moderate to steep slope, compacted soil or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body.

## STORAGE

1. Store this product away from food or feed.
2. Store in original, tightly-closed container.
3. Do not ship or store the product near food, feed, seed or fertilizers.
4. Store in cool, dry, locked, well-ventilated area without floor drain.
5. Herbicides should be shipped or stored separately from other pesticides to avoid cross-contamination.
6. **Facet L** is stable under conditions of freezing and thawing. Should the product freeze, warm to 5°C temperature prior to use.

## DISPOSAL

### For Recyclable Containers

DO NOT reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsate to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial/territorial requirements.

### **Returnable-Refillable Containers**

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. DO NOT reuse this container for any other purpose.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial/territorial regulatory agency. Contact the manufacturer and the provincial/territorial regulatory agency in case of a spill, and for clean-up of spills.

### **NOTICE TO USER**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

Booklet

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### **GENERAL INFORMATION**

**Facet L** is a soluble liquid herbicide for selective post emergence control of cleavers (including Group 2 resistant), green foxtail (including Group 1, Group 2 and Group 3 resistant biotypes), volunteer flax, barnyard grass and suppression of annual and perennial sow-thistle in the following crops:

- spring and durum wheat
- spring barley
- canary seed
- canola (*Brassica napus* – all varieties, including conventional, **Clearfield®**, LibertyLink® and Roundup Ready®)

**Facet L** is a herbicide with mainly systemic action. Uptake into the plant occurs through both the foliage and root system. Thorough coverage of foliage is important for consistent weed control. Failure to penetrate crop or weed leaf canopies with the spray will result in inconsistent control of weeds growing underneath.

Visual symptoms of weed control of **Facet L** may take up to two weeks following application to develop. These symptoms include initial twisting to stunting, reddening and chlorosis at about 14 days followed by necrosis and death about 21 days after application. Even though **Facet L** symptoms may take some time to develop, competition from weeds treated with **Facet L** is eliminated soon after application.



## DIRECTIONS FOR USE

Early treatment of weeds with **Facet L** is important to maximize crop yield potential through elimination of early weed competition. Some initial crop injury may be observed after application, but this is usually outgrown and should not affect crop yield.

Use sprayers equipped with standard flat fan or reduced drift nozzles with a spray volume of 100 L/ha, except as otherwise stated on this label, at a constant pressure of 275-425 kPa. Tilt spray nozzles 45 degrees forward to ensure better coverage. The use of 50 mesh strainers and screens is recommended.

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

DO NOT apply by air.

Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) fine classification. Boom height must be 60 cm or less above the crop or ground.

### Spray Buffer Zones

A spray buffer zone is NOT required for:

- uses with hand-held application equipment permitted on this label,
- low-clearance hooded or shielded sprayers that prevent spray contact with crop, fruit or foliage,
- soil drench or soil incorporation.

The spray buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats only (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands).

Method of application	Crop	Application Rate L product/ha	Spray buffer zones (metres) required for the protection of terrestrial habitats
Field sprayer	Wheat, canary seed, canola (pre-emergent)	0.69	4
	Canola (post-emergent), barley, wheat, canary seed	0.56	3

When tank mixes are permitted, consult the labels of the tank-mix partners and observe the largest (most restrictive) spray buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

The spray buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Spray Buffer Zone Calculator on the Pesticides portion of the Canada.ca website.

## Application Rates

**Facet L** can be applied to wheat (spring and durum), spring barley, canary seed, and canola (*Brassica napus* – all varieties, including conventional, **Clearfield**, LibertyLink and Roundup Ready) at rates detailed below. Apply **Facet L** when weeds are small and actively growing.

Apply in 100 L/ha of water with MERGE® Adjuvant at a rate of 0.5 to 1% v/v (i.e. 5 – 10 L per 1000 L spray solution). The higher rate of MERGE Adjuvant is recommended for higher weed densities and when environmental conditions at the time of herbicide application may negatively impact herbicide uptake.

Use the 0.56 L/ha rate for control of cleavers, volunteer flax, barnyard grass, lighter infestations of green foxtail and suppression of annual and perennial sow-thistle. For wheat, use the higher rate of 0.69 L/ha for control of heavier infestations of green foxtail. The higher rate of 0.69 L/ha applied prior to seeding canola will provide control of secondary flushes of cleavers and suppression of secondary flushes of green foxtail. The 0.69 L/ha rate may only be applied to spring and durum wheat and canary seed or prior to seeding canola. **Do not use the 0.69 L/ha rate on spring barley or post-emergent to canola.**

DO NOT apply **Facet L** to any field more often than every second year. This practice must be respected in order to avoid potential injury to future rotational crops, to minimize potential for carryover and accumulation of soil residues, and to reduce the selection pressure which could contribute to the development of resistant biotypes.

Crop	Use Rate (L/ha)	Pre-harvest Interval (days)
Canary seed <sup>1</sup>	0.56 - 0.69	77
Canola <sup>2</sup>	0.56 - 0.69 <sup>3</sup>	60
Spring barley <sup>4</sup>	0.56	80
Wheat (spring and durum)	0.56 - 0.69	77

<sup>1</sup> Not to be used for human consumption or fed to livestock.

<sup>2</sup> *Brassica napus* – all varieties, including conventional, **Clearfield**, LibertyLink and Roundup Ready.

<sup>3</sup> Apply 0.69 L/ha prior to seeding canola only.

<sup>4</sup> Maximum rate for barley is 0.56 L/ha. To avoid crop injury, apply **Facet L** prior to tillering of spring barley.

## Weeds Controlled and Application Timing

**Facet L** can be applied at the indicated crop staging to control weeds as listed below. Leaf stages refer to true leaves.

Weed	Leaf Stage
Cleavers <sup>1, 2</sup>	1 - 3 whorls <sup>7</sup>
Green foxtail <sup>1</sup>	1 - 5 leaf (max 2 tillers)
Volunteer flax	1 - 8 cm
Barnyard grass	1 - 5 leaf
Annual sow-thistle <sup>3</sup>	2 - 6 leaf
Perennial sow-thistle <sup>3</sup>	2 - 6 leaf
Crop	
Spring barley <sup>4</sup>	1 - 4 leaf (prior to tillering)
Wheat (spring and durum)	1 - 5 leaf
Canary seed <sup>5</sup>	3 - 5 leaf
Canola <sup>6</sup>	pre-seed - 6 leaf

<sup>1</sup> In addition to post-emergent control, 0.69 L/ha applied prior to seeding canola will provide suppression of secondary flushes of green foxtail and control of secondary flushes of cleavers.

<sup>2</sup> 0.56 L/ha will provide flushing suppression of cleavers in addition to post-emergent control.

<sup>3</sup> Suppression only.

<sup>4</sup> To avoid crop injury, apply **Facet L** prior to tillering of spring barley.

<sup>5</sup> Not to be used for human consumption or fed to livestock.

<sup>6</sup> *Brassica napus* – all varieties, including conventional, **Clearfield**, LibertyLink and Roundup Ready.

<sup>7</sup> Applying **Facet L** in tank mix with LIBERTY 150 SN Herbicide will control 1 to 6 whorl cleavers (see “Tank Mix Options – LibertyLink Canola”).

## PRE-SEED OR PRE-EMERGENCE APPLICATION – CANOLA (all varieties, including herbicide tolerant)

Apply **Facet L** at 0.56 to 0.69 L/ha in 50 – 100 L/ha of water with MERGE Adjuvant at a rate of 0.5 to 1 L/ha.

**Facet L** applied at 0.56 L/ha as a surface application prior to seeding, or after seeding but before emergence of canola, provides post-emergent control of labelled weeds and suppression of secondary flushes of cleavers. **Facet L** applied at the higher rate of 0.69 L/ha provides control of secondary flushes of cleavers and suppression of secondary flushes of green foxtail. The 0.69 L/ha rate of **Facet L** must be applied prior to canola emergence.

## Facet L + Glyphosate

For enhanced and more consistent post-emergent control of cleavers and suppression of secondary flushes, tank mix 0.56 L/ha **Facet L** with 450 – 810 g a.e./ha glyphosate (present as isopropylamine salt, potassium salt, diammonium salt or dimethylamine salt) and apply prior to seeding, or after seeding but before emergence of canola. Use the higher rate of 0.69 L/ha of

**Facet L** for control of secondary flushes of cleavers and for suppression of secondary flushes of green foxtail.

Use only glyphosate products registered for pre-seed application to canola. Consult the glyphosate label for specific rates and associated weeds controlled by glyphosate.

**CANOLA VARIETIES WHICH ARE NOT DESIGNATED AS GLYPHOSATE TOLERANT (I.E. VARIETIES WITH THE ROUNDUP READY GENE) WILL BE DAMAGED OR DESTROYED BY THIS TREATMENT IF APPLICATION IS MADE AFTER CROP EMERGENCE.**

Apply in 50 – 100 L/ha of water with MERGE Adjuvant at a rate of 0.5 – 1 L/ha.

Crop	Facet L (L/ha)	Glyphosate (g ae/ha)
Canola	0.56 – 0.69	450 – 810 <sup>1</sup>

<sup>1</sup> A rate of 450 - 810 g ae/ha is equivalent to 0.83 to 1.5 L/ha of Roundup WeatherMAX with Transorb 2 Technology Liquid Herbicide (540 g ae/L). Other glyphosate formulations may require a rate calculation adjustment according to active ingredient concentration. Refer to the glyphosate label for rate and weeds controlled.

## **POST-EMERGENCE APPLICATION – CANOLA**

### **Tank Mix Options**

To provide enhanced weed control and suppression of secondary flushes of cleavers, **Facet L** may be tank-mixed with the following tank-mix partners. Tank mixing is a recognized strategy to delay herbicide resistance as well as improve the weed spectrum controlled.

This product may be tank mixed with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions for Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact BASF Agricultural Solutions Canada Inc. (“BASF”) at 1-877-371-2273 for information before applying any tank mix that is not specifically recommended on this label.

### **Tank Mix Options – LibertyLink Canola**

**Apply these tank mixes to glufosinate ammonium tolerant canola varieties only (i.e. varieties or hybrids labelled LibertyLink).** Application of LIBERTY 150 SN herbicide to non-tolerant canola varieties or hybrids will result in severe crop injury or death of the crop.

**Facet L + LIBERTY 150 SN Herbicide**

For enhanced and more consistent control of cleavers from the 1 to 6 whorl stage, apply 0.28 L/ha of **Facet L** in tank mix with 3.33 – 4 L/ha LIBERTY 150 SN Herbicide. Higher rates of **Facet L** (0.42 – 0.56 L/ha) applied in tank mix with LIBERTY 150 SN Herbicide will provide suppression of secondary flushes of cleavers. Use the 0.56 L/ha rate when cleaver densities are high, when staging is late or for improved residual control. Apply in 100 L/ha of water with MERGE Adjuvant at a rate of 0.5 to 1% v/v (i.e. 5 – 10 L per 1000 L spray solution). Application should be made from the cotyledon to 6 true leaf stage of the canola crop. Refer to the LIBERTY 150 SN Herbicide label for additional weeds controlled.

Crop	Facet L (L/ha)	LIBERTY 150 SN (L/ha)
LibertyLink Canola	0.28 – 0.56	3.33 – 4

### Facet L + LIBERTY 150 SN Herbicide + CENTURION

For enhanced and more consistent annual grass control, apply 63 - 190 mL/ha CENTURION in tank mix combination with **Facet L** and LIBERTY 150 SN Herbicide. Apply in 100 L/ha of water with AMIGO® or MERGE Adjuvant at 0.5% v/v (i.e. 5 L per 1000 L spray solution). Application should be made from the cotyledon to 6 true leaf stage of the canola crop. Refer to the LIBERTY 150 SN Herbicide and CENTURION labels for weeds controlled.

Crop	Facet L (L/ha)	LIBERTY 150 SN (L/ha)	CENTURION (L/ha)
LibertyLink Canola	0.28 – 0.56	3.33 – 4	0.063 – 0.190

### Facet L + Glyphosate

Apply this tank mix to glyphosate tolerant canola varieties only, i.e. varieties with the Roundup Ready gene. **CANOLA VARIETIES WHICH ARE NOT DESIGNATED AS GLYPHOSATE TOLERANT WILL BE DAMAGED OR DESTROYED BY THIS TREATMENT.**

For enhanced and more consistent control of cleavers and suppression of secondary flushes, tank mix 0.42 – 0.56 L/ha **Facet L** with 450 – 686 g a.e./ha glyphosate (present as isopropylamine salt, potassium salt, diammonium salt or dimethylamine salt). Use the higher rate of **Facet L** when cleaver densities are high, when staging is late or for improved residual control. Tank mixing is a recognized strategy to delay herbicide resistance as well as improve the weed spectrum controlled. Consult the glyphosate label for rate and weeds controlled by glyphosate. Use only glyphosate products registered for post-emergence application to glyphosate tolerant canola.

Application should be made from the cotyledon to 6 true leaf stage of the canola crop. Apply in 100 L/ha of water with MERGE Adjuvant at a rate of 0.5 – 1.0% v/v (i.e. 5 – 10 L per 1000 L spray solution).

Crop	Facet L (L/ha)	Glyphosate (g ae/ha)
Glyphosate tolerant canola	0.42 – 0.56	450 – 686 <sup>1</sup>

<sup>1</sup> A rate of 450 - 686 g ae/ha is equivalent to 0.83 to 1.27 L/ha of Roundup WeatherMAX with Transorb 2 Technology Liquid Herbicide (540 g ae/L). Other glyphosate formulations may require a rate calculation adjustment according to active ingredient concentration. Refer to the glyphosate label for rate and weeds controlled in glyphosate tolerant canola.

### Facet L + ARES® SN Herbicide

**Apply this tank mix to Clearfield Canola varieties only.** Use of ARES SN Herbicide on canola not designated with the **Clearfield** trait may cause severe crop injury.

For enhanced and more consistent control of cleavers, especially mixed populations of Group 2 and non-Group 2 resistant cleavers, and suppression of secondary flushes, tank mix 0.42 – 0.56 L/ha **Facet L** with 0.604 L/ha ARES SN Herbicide. Use the higher rate of **Facet L** when cleaver densities are high, when staging is late or for improved residual control. Tank mixing **Facet L** with ARES SN Herbicide will also provide enhanced and more consistent control of volunteer flax. Consult the ARES SN Herbicide label for additional weeds controlled.

Application should be made from the 2 to 6 true leaf stage of the canola crop. Apply in 100 L/ha of water with MERGE Adjuvant at a rate of 0.5 – 1.0% v/v (i.e. 5 – 10 L per 1000 L spray solution). Refer to the ARES SN Herbicide label for additional weeds controlled.

Crop	Facet L (L/ha)	ARES SN (L/ha)
<b>Clearfield</b> Canola	0.42 – 0.56	0.604

### RECRIPPING

Due to the residual activity of **Facet L** in the soil, land treated with **Facet L** cannot be rotated to crops other than specified below. To avoid injury to rotational crops, the minimum recropping intervals must be followed.

#### MINIMUM RECRIPPING INTERVALS

Crop	Minimum Recropping Interval (Months)
Wheat (spring, durum) <sup>1</sup>	0
Spring barley <sup>1</sup>	0
Canola <sup>1</sup>	0
Field peas	10
Sunflowers	10

Crop	Minimum Recropping Interval (Months)
Oats	10
Flax	22
Lentils	22

<sup>1</sup> In the event of crop failure, only spring and durum wheat, spring barley and canola, may be planted in the same season in fields treated with **Facet L**.

**Facet L should not be used on land where potatoes or vegetables are part of the rotation.**

The company recommends that a field bioassay (a test strip grown to maturity) be conducted the year before growing any crops other than those listed above.

On lighter soils with low organic matter or under dry conditions, some crop injury may occur, particularly in flax and lentils, but will not reduce yield. Under these conditions, the minimum recropping interval for flax and lentils should be extended by 12 months.

## RESTRICTIONS AND LIMITATIONS

1. Do not apply **Facet L** when weather conditions may cause spray drift from treated areas to adjacent crops. Certain crops such as alfalfa, clover species, fababeans, flax, lentils, ornamentals, potatoes and vegetables will be injured by spray drift of **Facet L**.
2. Do not apply **Facet L** to wheat under seeded to forages.
3. Do not apply **Facet L** to wheat, spring barley, canary seed or canola that has been subjected to stress from conditions such as frost, hail damage, flooding, drought, extended cold period, etc.
4. Rainfall within 6 hours after application may reduce effectiveness of spray.
5. When **Facet L** is applied beyond the recommended growth stages, limited crop injury and/or unsatisfactory weed control may result.
6. Cool weather conditions or drought will delay herbicide activity and if prolonged, may result in poor weed control.
7. Canary seed treated with **Facet L** is NOT TO BE USED FOR HUMAN CONSUMPTION OR FED TO LIVESTOCK.
8. Do not graze the treated wheat or barley or cut for hay within 77 days of application. Grain and meal from treated canola can be fed to livestock. Do not graze or feed other portions of the treated canola to livestock.

## MIXING

1. Thoroughly clean the sprayer prior to use. For appropriate cleaning instructions, refer to the label of the product sprayed previous to application of **Facet L**.
2. Fill the clean spray tank half full with clean water. Start agitation or by-pass system. Agitation should be running during the entire mixing procedure.
3. Add the correct amount of **Facet L** and agitate 2 to 3 minutes.
4. Add the correct amount of MERGE Adjuvant and agitate 2 to 3 minutes.
5. When tank mixing with ARES SN Herbicide or glyphosate, always add **Facet L** first followed by ARES SN Herbicide or glyphosate to the tank, then add MERGE Adjuvant.
6. When tank mixing with LIBERTY 150 SN Herbicide, always add LIBERTY 150 SN Herbicide first followed by **Facet L**, then add Merge Adjuvant.
7. When tank mixing with LIBERTY 150 SN Herbicide and CENTURION, add AMIGO or MERGE Adjuvant to the tank first, then add LIBERTY 150 SN Herbicide followed by **Facet L**, followed by CENTURION.
8. Add remainder of water to the spray tank and maintain sufficient agitation during mixing and spraying to ensure a uniform spray mixture.

## SPRAYER CLEAN-UP

Upon completion of spraying **Facet L**, thoroughly flush tank, boom, hoses and in-line and nozzle screens with clean water to avoid possible injury to other crops.

DO NOT clean sprayer near desirable vegetation or near well or water source.

## RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, **Facet L** is a Group 4 and Group 26 herbicide. Any weed population may contain or develop plants naturally resistant to **Facet L** and other Group 4 and Group 26 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance:

- Where possible, rotate the use of **Facet L** or other Group 4 or Group 26 herbicides within a growing season (sequence) or among growing seasons with different herbicide groups that control the same weeds in a field.



- Use tank mixtures with herbicides from a different group when such use is permitted. To delay resistance, the less resistance-prone partner should control the target weed(s) as effectively as the more resistance-prone partner.
- Herbicide use should be based on an integrated weed management program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical control methods), cultural (for example, higher crop seeding rates; precision fertilizer application method and timing to favour the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Monitor weed populations after herbicide application for signs of resistance development (for example, only one weed species on the herbicide label not controlled). If resistance is suspected, prevent weed seed production in the affected area if possible by an alternative herbicide from a different group. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields and planting clean seed.
- Have suspected resistant weed seeds tested by a qualified laboratory to confirm resistance and identify alternative herbicide options.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact BASF at 1-877-371-2273.

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