

GROUP	14	HERBICIDE
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**ERAGON®**

Water soluble granular herbicide for pre-plant and pre-emergent application for the control of broadleaf weeds in selected crops, and for harvest aid in soybeans and dry common beans

**COMMERCIAL (AGRICULTURAL)**

FOR SALE FOR USE IN EASTERN CANADA ONLY

**GUARANTEE:** Saflufenacil..... 70%

**Warning: Contains the allergen sulfites**

**REGISTRATION NO. 29372**

**PEST CONTROL PRODUCTS ACT**

**CAUTION – SKIN IRRITANT**

READ THE LABEL AND BOOKLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN

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

NET CONTENTS: 292 g

BASF Canada Inc.  
100 Milverton Drive  
5th Floor  
Mississauga, Ontario  
L5R 4H1  
1-877-371-2273

ERAGON is a registered trade-mark of BASF SE, used with permission by BASF Canada Inc.

## PRECAUTIONS

1. **KEEP OUT OF REACH OF CHILDREN.**
2. DO NOT take internally. Harmful if swallowed.
3. DO NOT get in eyes or on skin. Causes eye and skin irritation. Avoid inhalation of vapor or spray.
4. Wash exposed areas of skin thoroughly after handling and before eating, drinking or smoking or going to the washroom. Take a shower immediately after work.
5. Wear a long-sleeved shirt, long pants, coveralls, chemical resistant gloves and shoes plus socks during mixing, loading, clean-up and repair. In addition, wear goggles or face shield during mixing/loading. Applicators must wear long-sleeved shirt, long pants, coveralls and shoes plus socks.

Custom handlers treating corn fields must wear chemical resistant coveralls over long-sleeved shirt, long pants and chemical resistant gloves during mixing, loading, application, clean-up and repair, and additionally, goggles or a face shield during mixing and loading. Custom applicators performing mixing, loading, and application must use a closed mixing/loading system.

6. If clothing becomes contaminated, remove immediately and wash. Store and wash all protective clothing separately from household laundry. Wash in detergent and hot water before reuse. Wear freshly laundered clothes daily.
7. Apply only when the potential for drift to areas of human habitation or 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.
8. If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at [www.croplife.ca](http://www.croplife.ca).

## 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 HAZARDS**

TOXIC to non-target terrestrial plants.

## **STORAGE**

1. Store the product in original, tightly-closed container and do not allow water to be introduced into this container.
2. DO NOT ship or store the product near food, feed, seed or fertilizers.
3. Store the product in a cool, dry, locked, well-ventilated area without floor drain.
4. Herbicides should be shipped or stored separately from other pesticides to avoid cross-contamination.

## **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 rinsings 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 requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial 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. The user assumes the risk to persons or property that arises from any such use of this product.

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NET CONTENTS: 0.25 kg – 100 kg, Bulk

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## Table of Contents

1.0	GENERAL INFORMATION .....	1
2.0	PRECAUTIONS .....	1
3.0	FIRST AID.....	2
4.0	ENVIRONMENTAL HAZARDS.....	2
5.0	STORAGE.....	2
6.0	DISPOSAL .....	3
7.0	NOTICE TO USER.....	3
8.0	REGISTERED CROPS .....	3
	DIRECTIONS FOR USE.....	4
9.0	EARLY SEASON WEED CONTROL APPLICATIONS.....	4
9.1	CROP USE RATES – ERAGON .....	4
9.2	WEEDS CONTROLLED.....	5
9.3	TANK MIXES .....	6
9.4	CROP SPECIFIC RECOMMENDATIONS.....	7
9.4.1	CEREALS – BARLEY AND WHEAT (spring, winter and durum).....	7
9.4.2	SOYBEANS .....	7
9.4.3	CORN (field and sweet).....	8
10.0	HARVEST AID / DESICCATION IN SOYBEANS AND DRY COMMON BEANS .....	8
11.0	MIXING INSTRUCTIONS.....	10
12.0	PRE-HARVEST AND GRAZING INTERVALS (PHI) .....	10
13.0	FOLLOW CROPPING .....	11
14.0	SPRAYING INSTRUCTIONS .....	12
15.0	RESTRICTIONS AND LIMITATIONS.....	12
16.0	RESISTANCE-MANAGEMENT RECOMMENDATIONS .....	13

## 1.0 GENERAL INFORMATION

**ERAGON** is a water soluble granular herbicide for broadleaf weed control.

**ERAGON** is rapidly absorbed by root and foliar uptake; once absorbed it exhibits mobility in plants. **ERAGON** is a potent inhibitor of protoporphyrinogen oxidase (PPO). Cell membrane damage induced by inhibition of PPO leads to plant death. Susceptible weeds develop injury symptoms within hours of application under active growing conditions; plant death occurs within 3 to 5 days depending upon growing conditions.

**ERAGON** is recommended for pre-plant and pre-emergent applications in corn; for pre-plant applications in soybeans; and for pre-plant and pre-emergent applications in cereals for burndown of broadleaf weeds. **ERAGON** may also be used as a harvest aid in soybeans and dry common beans.

**ERAGON** does not control grass weeds. An appropriate pre-emergent or post-emergent grass herbicide must be tank mixed with **ERAGON** for broad spectrum weed control.

**ERAGON** is a broad spectrum weed resistance management tool for activity on a range of broadleaf weeds.

## 2.0 PRECAUTIONS

1. **KEEP OUT OF REACH OF CHILDREN.**
2. DO NOT take internally. Harmful if swallowed.
3. DO NOT get in eyes or on skin. Causes eye and skin irritation. Avoid inhalation of vapor or spray.
4. Wash exposed areas of skin thoroughly after handling and before eating, drinking or smoking or going to the washroom. Take a shower immediately after work.
5. Wear a long-sleeved shirt, long pants, coveralls, chemical resistant gloves and shoes plus socks during mixing, loading, clean-up and repair. In addition, wear goggles or face shield during mixing/loading. Applicators must wear long-sleeved shirt, long pants, coveralls and shoes plus socks.

Custom handlers treating corn fields must wear chemical resistant coveralls over long-sleeved shirt, long pants and chemical resistant gloves during mixing, loading, application, clean-up and repair, and additionally, goggles or a face shield during mixing and loading. Custom applicators performing mixing, loading, and application must use a closed mixing/loading system.

6. If clothing becomes contaminated, remove immediately and wash. Store and wash all protective clothing separately from household laundry. Wash in detergent and hot water before reuse. Wear freshly laundered clothes daily.

7. Apply only when the potential for drift to areas of human habitation or 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.
8. If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at [www.croplife.ca](http://www.croplife.ca).

### **3.0 FIRST AID**

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### **TOXICOLOGICAL INFORMATION**

Treat symptomatically.

### **4.0 ENVIRONMENTAL HAZARDS**

TOXIC to non-target terrestrial plants. Observe buffer zones specified under Section 15 (Restrictions and Limitations).

### **5.0 STORAGE**

1. Store the product in original, tightly-closed container and do not allow water to be introduced into this container.
2. DO NOT ship or store the product near food, feed, seed or fertilizers.
3. Store the product in a cool, dry, locked, well-ventilated area without floor drain.



4. Herbicides should be shipped or stored separately from other pesticides to avoid cross-contamination.

## 6.0 DISPOSAL

### For Recyclable Containers

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## 7.0 NOTICE TO USER

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## 8.0 REGISTERED CROPS

**ERAGON** is registered for use in the following crops as a pre-plant or pre-emergent application. **ERAGON** may also be used as a harvest aid in soybeans and dry common beans.

Pre-plant or Pre-emergent
<ul style="list-style-type: none"><li>• Barley</li></ul>
<ul style="list-style-type: none"><li>• Wheat (spring, winter and durum)</li></ul>

Pre-plant or Pre-emergent
<ul style="list-style-type: none"><li>• Corn (field and sweet)</li></ul>

<b>Pre-plant</b>
<ul style="list-style-type: none"> <li>• Soybean</li> </ul>

<b>Harvest Aid</b>
<ul style="list-style-type: none"> <li>• Dessication of soybeans</li> </ul>
<ul style="list-style-type: none"> <li>• Dessication of dry common beans</li> </ul>

## DIRECTIONS FOR USE

### 9.0 EARLY SEASON WEED CONTROL APPLICATIONS

#### 9.1 CROP USE RATES – ERAGON

##### Pre-plant or Pre-emergent

Crop	Use Rate (g/ha)	Application Timing
Barley	36 – 71	Pre-plant or Pre-emergent
Wheat (spring, winter, durum)	36 – 71	Pre-plant or Pre-emergent

##### Pre-plant or Pre-emergent

Crop	Use Rate (g/ha)	Application Timing
Soybean	36*	Pre-plant ONLY
Corn	71**, 107 – 143	Pre-plant or pre-emergent

\* Do not use rates higher than 36 g/ha or crop injury may result. For use in combination with glyphosate for pre-plant application only. Refer to the Crop Specific Recommendations section of this label for additional details. Some soybeans cultivars may be more sensitive to saflufenacil and injury might occur.

\*\* 71 g/ha will only provide short season weed control and should be used in a program where a later application of a herbicide is anticipated. Refer to the Crop Specific Recommendations section of this label for additional details. Some sweet corn hybrids may be more sensitive to saflufenacil and injury might occur.

**Refer to Sections 9.2 to 9.4 for weeds controlled and further application information.**

## 9.2 WEEDS CONTROLLED

### Pre-plant Burndown (Cereals and Soybean)

**ERAGON** may be applied pre-plant to cereals (barley, wheat) and soybeans for control (burndown) of the following emerged broadleaf weeds. It is recommended that **ERAGON** is always tank mixed with glyphosate for broad spectrum weed control.

#### Cereals and Soybeans

Weed	Maximum Weed Stage	Use Rate (g/ha)
Broadleaf plantain	beginning of flowering	36*
Canada fleabane**	20 leaf	36
Common ragweed**	8 leaf	36
Dandelion (suppression only)	6 leaf	36
Giant ragweed**	8 leaf	36*
Lady's-thumb	6 leaf	36*
Lamb's-quarters	8 leaf	36
Perennial sow thistle (top growth burndown control)	8 leaf	36*
Prickly lettuce (top growth only)	9 leaf	36*
Redroot pigweed	8 leaf	36
Shepherd's-purse	full flower	36*
Stinkweed	full flower	36*
Wild buckwheat	6 leaf	36*
Wild mustard	8 leaf	36

\*Controlled with a tank mix of **ERAGON** and glyphosate for a pre-plant application only

\*\*Includes glyphosate-resistant biotypes

### Pre-plant Burndown and Suppression of Secondary Weed Flushes (Cereals)

#### Cereals

Weed	Maximum Weed Stage	Use Rate (g/ha)
Lamb's-quarters	8 leaf	71
Redroot pigweed	8 leaf	71
Stinkweed	8 leaf	71
Wild buckwheat	8 leaf	71
Wild mustard	8 leaf	71

## Pre-plant or Pre-emergent Burndown (Corn)

**ERAGON** at 71-143 g/ha may be tank mixed with glyphosate and applied to corn prior to planting or after planting prior to crop emergence. Use 143 g/ha for extended residual control of continual flushing weeds such as lamb's-quarters, redroot pigweed and common ragweed.

**ERAGON** + glyphosate will provide control (burndown) of the following emerged broadleaf weeds in addition to those controlled by glyphosate.

Corn		
Weed	Maximum Weed Stage	Use Rate (g/ha)
Common ragweed*	8 leaf	71 – 143
Lamb's-quarters	8 leaf	71 – 143
Redroot pigweed	8 leaf	71 – 143
Velvetleaf	8 leaf	71 – 143
Wild buckwheat	8 leaf	71 – 143
Wild mustard	8 leaf	71 – 143

\*Includes glyphosate-resistant biotypes

### 9.3 TANK MIXES

For broad spectrum burndown of weeds in soybeans, barley and wheat (spring, winter and durum), **ERAGON** should always be tank mixed with glyphosate present as isopropylamine salt, di-ammonium salt or potassium salt. **ERAGON** is compatible with all liquid glyphosate formulations, in which glyphosate is present as isopropylamine salt, di-ammonium salt or potassium salt, as a tank-mix partner. Apply to weeds less than 15 cm in height, according to the glyphosate label. For extended grass and broadleaf control in soybeans, PURSUIT® Herbicide may be tank mixed with **ERAGON** and glyphosate and applied before planting as a surface application.

Tank mixing is a recognized strategy to delay herbicide resistance as well as improve the weed spectrum controlled.

**See the Crop Specific Recommendations section of this label for further details, including rates, adjuvant recommendations and restrictions.**

Refer to the label of the tank mix partner for further precautions, use instructions and crop rotation restrictions. When a tank mix is used, consult the labels of the tank mix partners and observe the largest (most restrictive) 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.

## 9.4 CROP SPECIFIC RECOMMENDATIONS

### 9.4.1 CEREALS – BARLEY AND WHEAT (spring, winter and durum)

Timing	Pre-plant or Pre-emergent
Rate	36 – 71 g/ha of <b>ERAGON</b> + 2.5 L/ha of glyphosate (360 g/L equivalent)
Water Volume	100 – 200 L/ha
Surfactant/Adjuvant	Add MERGE® Adjuvant at a rate of 1 L/ha.
Weeds Controlled	See Section 9.2 of this label for a complete list of weeds controlled by <b>ERAGON</b> . Refer to the glyphosate label for weeds controlled in addition to those controlled by <b>ERAGON</b> .

### 9.4.2 SOYBEANS

#### ERAGON + Glyphosate

Timing	Pre-plant Burndown
Rate	36 g/ha of <b>ERAGON</b> + 2.5 L/ha of glyphosate (360 g/L equivalent)
Water Volume	100 – 200 L/ha
Surfactant/Adjuvant	Add MERGE Adjuvant at a rate of 1 L/ha.
Weeds Controlled	See Section 9.2 of this label for a complete list of weeds controlled by <b>ERAGON</b> . Refer to the glyphosate label for weeds controlled in addition to those controlled by <b>ERAGON</b> .
Remarks	Apply pre-plant only from 21 days prior to planting up to the day of planting. Some soybeans cultivars may be more sensitive to saflufenacil and injury might occur.

#### ERAGON + Glyphosate + PURSUIT Herbicide

Timing	Pre-plant
Rate	36 g/ha of <b>ERAGON</b> + 2.5 L/ha of glyphosate (360 g/L equivalent) + 420 mL/ha PURSUIT Herbicide
Water Volume	100 – 200 L/ha
Surfactant/Adjuvant	Add MERGE Adjuvant at a rate of 1 L/ha.
Weeds Controlled	See Section 9.2 of this label for a complete list of weeds controlled by <b>ERAGON</b> . Refer to the glyphosate label for weeds controlled in addition to those controlled by <b>ERAGON</b> .

Remarks	Apply pre-plant only from 21 days prior to planting up to the day of planting. Some soybeans cultivars may be more sensitive to saflufenacil and injury might occur.
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### 9.4.3 CORN (field and sweet)

#### ERAGON

Timing	Pre-emergent
Rate	71 – 143 g/ha of <b>ERAGON</b>
Water Volume	100 – 200 L/ha
Weeds Controlled	See Section 9.2 of this label for a complete list of weeds controlled by <b>ERAGON</b> .
Remarks	Some sweet corn hybrids may be more sensitive to saflufenacil and injury might occur.

#### ERAGON + Glyphosate

Timing	Pre-plant or Pre-emergent Burndown
Rate	71 – 143 g/ha of <b>ERAGON</b> + 2.5 L/ha of glyphosate (360 g/L equivalent)
Water Volume	100 – 200 L/ha
Surfactant/Adjuvant	Add MERGE Adjuvant at a rate of 1 L/ha.
Weeds Controlled	See Section 9.2 of this label for a complete list of weeds controlled by <b>ERAGON</b> . Refer to the glyphosate label for weeds controlled in addition to those controlled by <b>ERAGON</b> .  71 g/ha will only provide short season weed control and should be used in a program where a later application of a herbicide is anticipated.
Remarks	Apply tank mixture prior to or after planting but before crop emergence. Some sweet corn hybrids may be more sensitive to saflufenacil and injury might occur.

## 10.0 HARVEST AID / DESICCATION IN SOYBEANS AND DRY COMMON BEANS

**ERAGON** may be used as a harvest aid to accelerate the rate of dry down for crop and green weeds and improve crop uniformity to facilitate direct combining of soybeans and dry common beans. Early application may result in yield loss.

The dry down of crops will be best under favorable environmental conditions like warm temperatures, good moisture conditions and high humidity.

Harvesting of crops can be done when plant material is dry and seed moisture level allows efficient harvesting. For most crops, harvest can normally commence within 3-10 days after desiccation. Adverse weather conditions such as rainfall, cool temperatures and high humidity may slow the plant desiccation and keep seed moisture levels high which can delay commencement of harvest after the **ERAGON** application.

**ERAGON** when used as a harvest aid will not affect seed germination if applied according to label recommendations. Applications sprayed prior to label application timing may impact seed germination.

Do not graze or feed treated hay or straw to livestock.

### **ERAGON – Soybeans and Dry Common Beans**

Timing	Desiccation of Soybeans and Dry Common Beans
Rate	36 – 71 g/ha of <b>ERAGON</b>
Water Volume	200 L/ha
Surfactant/Adjuvant	Add MERGE Adjuvant at a rate of 1 L/ha.
Application Timing	Apply when 90% of pods have changed colour from green to yellow or brown.
Remarks	Ground application may be done with a standard boom sprayer.

### **ERAGON + Glyphosate - Soybeans and Dry Common Beans**

**ERAGON** may be applied in tank mix with glyphosate for additional pre-harvest weed control.

**The tank mix with glyphosate may affect seed germination. DO NOT tank mix with glyphosate on fields grown for seed production.**

Timing	Desiccation of Soybeans and Dry Common Beans
Rate	36 – 71 g/ha of <b>ERAGON</b> + 2.5 L/ha of glyphosate (360 g/L equivalent)
Water Volume	200 L/ha
Surfactant/Adjuvant	Add MERGE Adjuvant at a rate of 1 L/ha.
Application Timing	Apply when 90% of pods have changed colour from green to yellow or brown.
Remarks	Ground application may be done with a standard boom sprayer.  Consult the label of the tank mix partner product for further use instructions, precautions and restrictions. The most restrictive labeling applies to tank mixes.

## 11.0 MIXING INSTRUCTIONS

1. When applying **ERAGON**, always start with a clean sprayer. Thoroughly clean the sprayer by flushing the system with water containing detergent. Refer to previously applied product labels for specific cleaning instructions.
2. Fill clean spray tank half full with clean water. Start agitation system.
3. Using a calibrated measuring device, add the correct amount of **ERAGON**. Continue to agitate.
4. When tank mixing with glyphosate, add **ERAGON** followed by recommended amount of glyphosate. Then add the correct amount of PURSUIT Herbicide, if required.
5. If recommended, add the correct amount of MERGE Adjuvant to the tank last.
6. Continue agitation while filling the spray tank with the remaining amount of water.
7. Continue to agitate or run the by-pass system.
8. After any break in spraying operation, agitate thoroughly before spraying again. Check inside the tank to ensure that sprayer agitation is sufficient to remix the spray materials. Do not allow the mixture to sit over night.
9. If an oil film starts to build up in the tank, drain it and clean the tank with strong detergent solution.
10. Immediately after use, thoroughly clean the sprayer by flushing the system with clean water containing detergent.

Dispose of all rinsings in accordance with provincial regulations.

## 12.0 PRE-HARVEST AND GRAZING INTERVALS (PHI)

The following pre-harvest and grazing intervals should be observed for respective crops when **ERAGON** is applied as an early season weed control application.

Crop	PHI (days)
Barley	60 <sup>1</sup>
Corn (field, sweet)	60 <sup>2</sup>
Soybean	60 <sup>3</sup>
Wheat (spring, winter, durum)	60 <sup>1</sup>

<sup>1</sup> For barley and wheat, forage and hay can be used as feed or grazed 30 days or more after application of **ERAGON**.

<sup>2</sup> Corn forage and silage can be used as feed or grazed 60 days or more after application of **ERAGON**.

<sup>3</sup> Soybeans may be fed or grazed 60 days or more after application of **ERAGON**.



## Harvest Aid

The following pre-harvest intervals should be observed for respective crops when **ERAGON** is used as a harvest aid.

Crop	PHI (days)
Dry beans	2
Soybeans	3

Do not graze or feed treated hay or straw to livestock.

## 13.0 FOLLOW CROPPING

The crops listed below can be safely grown after a spring application of **ERAGON**.

Plant Back Crops In case of crop failure, the following crops can be planted in the same season <sup>1</sup>	Rotational Crops The following crops can be planted anytime in the following season
Barley Canary seed Chickpeas Corn (field and sweet) Oats Dry field peas Soybean <sup>2</sup> Wheat (spring, winter and durum)	Barley Canary seed Canola Chickpeas Corn (field and sweet) Dry beans Flax Lentils Mustard Oats Dry field peas Soybean Wheat (spring, winter and durum)

<sup>1</sup> A second application of **ERAGON** cannot be made in the rescue crop.

<sup>2</sup> Rate restrictions apply. Soybeans can only be grown as plant back crops provided that a maximum product use rate of 36 g/ha was used in the previous crop.

The crops listed below can be safely grown after a fall application of **ERAGON**.

Rotational crops that can be planted in the following spring after application	Rotational crops that can be planted in the second spring after application
Barley Canary seed Chickpeas Corn (field and sweet) Oats Dry field peas Soybeans Wheat (spring, winter, and durum)	Barley Canary seed Canola Chickpeas Corn (field and sweet) Dry beans Flax Lentils

	Mustard Oats Dry field peas Soybean Wheat (spring, winter, and durum)
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#### 14.0 SPRAYING INSTRUCTIONS

Use sprayers equipped with standard flat nozzles. The use of 80°-110° stainless steel flat fan nozzle is recommended for optimum spray coverage with nozzles tilted 45° forward to ensure better coverage.

Thoroughly clean all screens to prevent nozzle clogging. Apply in a water volume of 100 to 200 L/ha and at a pressure of 275 kPa. For applications to dense weed infestations and thick canopies, use the higher water volume.

Better coverage of the product results in enhanced control of weeds.

#### 15.0 RESTRICTIONS AND LIMITATIONS

1. Wash sprayer thoroughly after use to avoid damage to the next crop sprayed.
2. DO NOT mix or apply **ERAGON** with any other adjuvant except as specifically recommended on this label.
3. DO NOT APPLY BY AIR.
4. DO NOT enter or allow worker entry into treated areas for 12 hours after application.
5. DO NOT apply directly to water. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.
6. 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 strip between the treated area and the edge of the water body.
7. As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

#### Buffer zones

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) medium classification. Boom height must be 60 cm or less above the crop or ground.

**DO NOT** apply by air.

Use of the following spray methods or equipment **DO NOT** require a buffer zone: handheld or backpack sprayer and spot treatment.

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

Method of application	Crop	Buffer zones (metres) required for the protection of terrestrial habitats
Field sprayer*	Soybean (pre-plant or pre-emergent)	4
	Barley, wheat (pre-plant or pre-emergent); Soybean, dry common beans (harvest aid)	10
	Corn (pre-plant or pre-emergent)	15

\*For field sprayer application, buffer zones can be reduced with the use of drift reducing spray shields. When using a spray boom fitted with a full shield (shroud, curtain) that extends to the crop canopy, the labeled buffer zone can be reduced by 70%. When using a spray boom where individual nozzles are fitted with cone-shaped shields that are no more than 30 cm above the crop canopy, the labeled buffer zone can be reduced by 30%.

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) 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.

## 16.0 RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, **ERAGON** is a Group 14 herbicide. Any weed population may contain or develop plants naturally resistant to **ERAGON** and other Group 14 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 **ERAGON** or other Group 14 herbicides 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.
- Herbicide use should be based on an IPM program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control practices.

- Monitor treated weed populations for resistance development.
- Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.
- 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 or at [www.agsolutions.ca](http://www.agsolutions.ca).

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