

<< PRIMARY DISPLAY PANEL >>

GROUP	<b>6</b>	HERBICIDE
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## **Tough EC Herbicide**

COMMERCIAL (AGRICULTURAL)

EMULSIFIABLE CONCENTRATE

For post-emergent use in established alfalfa (grown for seed), corn (field and sweet), chickpeas, and mint; and for pre-seed or pre-emergent use in alfalfa (grown for seed), corn (field and sweet), canola, chickpeas, dry peas, mint, and soybeans.

ACTIVE INGREDIENT: Pyridate:.....600 g/L

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING  
KEEP OUT OF REACH OF CHILDREN

REGISTRATION NUMBER 34647 PEST CONTROL PRODUCTS ACT

WARNING – SKIN AND EYE IRRITANT

POTENTIAL SKIN SENSITIZER

NET CONTENTS: 1-20,000L

IN CASE OF EMERGENCY INVOLVING A POISONING OR MAJOR SPILL CALL  
1-866-336-2983

Certis Belchim B.V.  
Stadsplateau 16  
3521 AZ Utrecht  
The Netherlands

Manufactured for:  
Belchim Crop Protection Canada Inc.  
104 Cooper Drive, Unit 3  
Guelph, Ontario N1C 0A4  
Tel:1-866-613-3336

## 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.

## PRECAUTIONS

- **KEEP OUT OF THE REACH OF CHILDREN**
- Potential skin sensitizer
- Causes eye and skin irritation. **DO NOT** get in eyes or on skin.
- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash separately from other laundry before reuse.
- **DO NOT** apply by air
- Do not apply this product through any type of irrigation system.
- Do not apply this product when wind conditions will allow drift to adjacent susceptible vegetation.
- Wear protective eyewear (goggles or face shield) during all mixing loading, clean-up and repair. In addition, wear coveralls over a long-sleeved shirt, long pants, socks, chemical-resistant footwear and chemical-resistant gloves while mixing, loading, clean-up and repair and applying up to 448 L of product per day. When mixing, loading, clean-up and repair and applying more than 448 L of product per day, wear chemical-resistant coveralls over a long-sleeved shirt, long pants, socks, chemical-resistant footwear and chemical-resistant gloves. When applying more than 500 L of product per day, a closed-cab tractor is required. Gloves are not required within a closed-cab.
- **DO NOT** enter or allow worker entry into treated areas to perform post-application activities during the intervals specified in the following table:

Crop	Postapplication Activity	Restricted-entry Interval (REI) and/or Preharvest Interval (PHI)
Established alfalfa (grown for seed)	Hand set/hand line irrigation <sup>1</sup>	7 days
	Scouting	3 days
	All other activities	12 hours
Corn (field and sweet)	Harvesting field corn	100 days
	Harvesting sweet corn	45 days
	Hand set/hand line irrigation <sup>1</sup>	7 days
	Scouting	3 days
	All other activities	12 hours
Chickpeas	Harvesting	60 days
	Hand set/hand line irrigation <sup>1</sup>	7 days
	Scouting	3 days
	All other activities	12 hours
Mint	Harvesting	30 days
	Hand set/hand line irrigation <sup>1</sup>	9 days
	Scouting	5 days

<b>Crop</b>	<b>Postapplication Activity</b>	<b>Restricted-entry Interval (REI) and/or Preharvest Interval (PHI)</b>
	All other activities	12 hours
Dry peas, canola, soybeans	Harvesting	At maturity
	All other activities	12 hours

<sup>1</sup> For hand set/hand line irrigation related activities involving foliar contact

Apply only to agricultural crops when the potential for drift to areas of human habitation and 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.

## **ENVIRONMENTAL PRECAUTIONS**

Toxic to aquatic organisms and non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE.

Toxic to small wild mammals.

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.

This product contains an active ingredient and aromatic petroleum distillates, which are toxic to aquatic organisms.

## **FIRST AID**

**IF SWALLOWED:** Call a poison control centre or doctor **IMMEDIATELY** for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

**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 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.

**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.

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

## **TOXICOLOGICAL INFORMATION**

Contains petroleum distillate - vomiting may cause aspiration pneumonia.  
Treat symptomatically.

<p><b><i>IN CASE OF EMERGENCY INVOLVING A POISONING OR MAJOR SPILL CALL 1-866-336-2983</i></b></p>
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## **STORAGE**

Do not freeze. Store in a cool, dry, secure and well ventilated area. Store product in original container only in a location inaccessible to children and pets. Store this product away from food or feed. Not for use or storage in or around the home.

## **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 or territorial requirements.

For refillable containers

For disposal, this empty 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 registrant or the provincial or territorial regulatory agency. Contact the registrant and the provincial or territorial regulatory agency in case of a spill, and for clean-up of spills.

## **Tough EC Herbicide**

COMMERCIAL (AGRICULTURAL)

EMULSIFIABLE CONCENTRATE

For post-emergent use in established alfalfa (grown for seed), corn (field and sweet), chickpeas, and mint; and for pre-seed or pre-emergent use in alfalfa (grown for seed), corn (field and sweet), canola, chickpeas, dry peas, mint, and soybeans.

ACTIVE INGREDIENT: Pyridate:.....600 g/L

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## PRECAUTIONS

- **KEEP OUT OF THE REACH OF CHILDREN**
- Potential skin sensitizer
- Causes eye and skin irritation. **DO NOT** get in eyes or on skin.
- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash separately from other laundry before reuse.
- **DO NOT** apply by air
- Do not apply this product through any type of irrigation system.
- Do not apply this product when wind conditions will allow drift to adjacent susceptible vegetation.
- Wear protective eyewear (goggles or face shield) during all mixing, loading, clean-up and repair. In addition, wear coveralls over a long-sleeved shirt, long pants, socks, chemical-resistant footwear and chemical-resistant gloves while mixing, loading, clean-up and repair and applying up to 448 L of product per day. When mixing, loading, clean-up and repair and applying more than 448 L of product per day, wear chemical-resistant coveralls over a long-sleeved shirt, long pants, socks, chemical-resistant footwear and chemical-resistant gloves. When applying more than 500 L of product per day, a closed-cab tractor is required. Gloves are not required within a closed-cab.
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Chickpeas	All other activities	12 hours
	Harvesting	60 days
	Hand set/hand line irrigation <sup>1</sup>	7 days
	Scouting	3 days
	All other activities	12 hours

Crop	Postapplication Activity	Restricted-entry Interval (REI) and/or Preharvest Interval (PHI)
Mint	Harvesting	30 days
	Hand set/hand line irrigation <sup>1</sup>	9 days
	Scouting	5 days
	All other activities	12 hours
Dry peas, canola, soybeans	Harvesting	At maturity
	All other activities	12 hours

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## ENVIRONMENTAL PRECAUTIONS

Toxic to aquatic organisms and non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE.

Toxic to small wild mammals.

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.

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For disposal, this empty 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.

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## **RESISTANCE MANAGEMENT RECOMMENDATIONS**

For resistance management, Tough EC Herbicide is a Group 6 herbicide. Any weed population may contain or develop plants naturally resistant to Tough EC Herbicide and other Group 6 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 the 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 Tough EC Herbicide or other Group 6 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 chemical control practices.
- Monitor treated weed populations for signs of resistance development. 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 Belchim Crop Protection Canada Inc. at 1-866-613-3336 or visit [www.belchimcanada.com](http://www.belchimcanada.com)

## **PRODUCT INFORMATION**

Tough EC Herbicide is a selective herbicide for pre-seed, pre-emergence and post-emergence applications for control or suppression of actively growing annual broadleaf weeds. Tough EC Herbicide is recommended to be used sequentially or in a tank mix with other herbicides as part of a complete weed control program. Tough EC Herbicide is an emulsifiable concentrate formulation containing 600 g of pyridate per litre of product.

Tough EC Herbicide is a contact herbicide that is absorbed rapidly by the leaves of plants. Tough EC does not offer any residual weed control. Therefore, only weeds that have emerged at the time of application will be controlled or suppressed. Symptoms in sensitive weeds include marginal yellowing, followed by yellowing and browning of the entire leaf, usually occurring within 4-7

days after application. Activity is more rapid at higher temperatures and when weeds are actively growing. Weed control under adverse conditions such as drought, low temperatures, etc., may be decreased.

Do not apply to any crops other than those listed on the label as crop damage will result. Do not allow spray to drift to adjacent fields seeded to crops other than those crops listed on this label.

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-866-613-3336 or obtain technical advice from the distributor or your provincial agricultural representative.

### **DIRECTIONS FOR USE**

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.

Field sprayer application: **DO NOT** apply when wind speed is less than 1 km/h. Avoid application of this product when winds are gusty. **DO NOT** apply with sprays finer than the American Society of Agricultural and Biological Engineers (ASABE) S572 (572.1 to 572.3) medium classification. Boom height must be 60 cm or less above the crop or ground.

**DO NOT** apply by air.

### **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.

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 (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of application	Crop	Spray Buffer Zones (metres) Required for the Protection of:				
		Freshwater Habitat of Depths:		Estuarine/Marine Habitat of Depths:		Terrestrial Habitat:
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	

Field sprayer	Alfalfa (grown for seed), corn (field and sweet), chickpeas, dry peas, canola, mint, soybeans	1	1	1	1	1
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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 (ASABE) category indicated on the labels for those tank mix partners.

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

### Ground Application

It is important to check the physical compatibility of tank mixed pesticide products in a small volume prior to filling the sprayer. Check the compatibility of tank mixes containing Tough EC Herbicide using a jar test with proportionate amounts of mix partners, and water, before mixing in the spray tank

#### Mixing Instructions and Order:

1. Ensure that the sprayer interior is clean, then fill sprayer  $\frac{1}{4}$  to  $\frac{1}{2}$  full with the required amount of clean water and begin agitation or bypass.
2. Add any WG or DF formulation mix partners into the spray tank and continue to agitate to ensure complete mixing.
3. Add SE or SC formulation tank mix partners into the spray tank and continue to agitate to ensure complete mixing.
4. Add Tough EC Herbicide and agitate to ensure complete mixing.
5. Add any additional EC formulation mix partners and agitate to ensure complete mixing.
6. Fill sprayer to  $\frac{3}{4}$  of the required amount of water.
7. Add any solution (SN or SL) formulation mix partners and agitate to ensure complete mixing.
8. Add any external adjuvant materials at their appropriate ratios to the tank.
9. While continuing to agitate, fill the remainder of the tank with water to the proper level.
10. Spray the herbicide suspension the same day as mixing
11. Do not mix, load or clean spray equipment where there is a potential to contaminate wells or aquatic systems.

When using chemical handling equipment to fill the sprayer, the following additional recommendations apply:

- WG and DF formulations are preferentially batch mixed.
- SC, SN, and SL formulations may be inducted or batch mixed.
- EC formulations are preferentially batch mixed.

This product may be tank mixed with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Direction 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 the label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Belchim Crop Protection Canada Inc. at 1-866-613-3336 for information before mixing any pesticide or fertilizer that is not specifically recommended on this label.

## **Sprayer Cleanup**

**Before Spraying:** Prior to using Tough EC Herbicide, ensure that the spray tank, lines and filter are thoroughly clean.

**After Spraying:** Thoroughly clean application equipment immediately after spraying. DO NOT allow Tough EC Herbicide residues to dry within the spray tank. When using a tank-mix, consult the tank-mix partner label for additional clean-up instructions. The following recommendations are provided

1. Drain and flush tank walls, boom and all hoses for 10 minutes with clean water/detergent mixture. Rinse with clean water. DO NOT clean the sprayer near desirable vegetation, wells or other water sources.
2. Remove all nozzles and screens. Wash separately.
3. Dispose of all rinsate in accordance with provincial regulations.

## **SPRAYING INSTRUCTIONS:**

1. Water Volume: Apply in a minimum spray volume of 100 L/ha OR the volume given in the crop and pest specific instructions tabulated below, whichever is LARGER.
2. Apply at uniform speed and avoid overlapping. Shut off spray boom while starting, turning, slowing or stopping to avoid potential crop injury from over application.

DO NOT apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift.

## **Crop Tolerance**

Tough EC Herbicide has exhibited crop tolerance to labelled crops in development trials when used according to label recommendations and rates. However, Tough EC Herbicide has not been tested on all sweet corn varieties for tolerance. Contact your seed supplier for specific recommendations.

## **Rotational Crop Information**

Tough EC Herbicide offers contact control of susceptible species and has no residual herbicidal activity. Crops rotated following the use of Tough EC Herbicide should not be negatively impacted.

## Crop Information

Tough EC Herbicide is a contact herbicide to be used alone or in combination with other herbicides for selective control of certain broadleaf weeds. For optimal weed control, and to minimize weed competition, applications should be made after the weeds have emerged and prior to their reaching 10-15 cm in height.

Tough EC Herbicide may be used as a post-emergent contact herbicide in the following crops

- Established alfalfa (grown for seed)
- Corn (field and sweet),
- Chickpeas
- Mint.

Tough EC Herbicide may be used on the following crops prior to emergence as a pre-seed or pre-emergent herbicide, for control of labelled weeds that have emerged at the time of application:

- Alfalfa (grown for seed)
- Corn (field and sweet),
- Mint
- Chickpeas
- Dry peas
- Canola
- Soybeans

Weeds\*\* controlled by Tough EC Herbicide when applied post-emergent, pre-seed and pre-emergent, alone.

<b>Common name</b>	<b>Scientific name</b>	<b>Product Rate</b>
<b>Black nightshade</b>	<i>Solanum nigrum</i>	<b>0.75 L/ha</b>
<b>Redroot pigweed</b>	<i>Amaranthus retroflexus</i>	<b>0.5-1.0 L/ha</b>
<b>Kochia</b>	<i>Bassia scoparia</i>	<b>1-1.5 L/ha</b>
<b>Common lamb's quarters</b>	<i>Chenopodium album</i>	<b>0.75-1.0 L/ha</b>
<b>False cleavers</b>	<i>Galium spruium</i>	<b>0.5 L/ha</b>
<b>Wild mustard</b>	<i>Sinapis arvensis</i>	<b>1.0-1.5 L/ha</b>

\*\*Weeds which are listed as controlled by Tough EC will be controlled even if they are resistant biotypes of those weeds belonging to the following groups: Group 2: ALS inhibitors; Group 5: Photosystem II inhibitors; Group 9: EPSP synthase inhibitors.

Weeds\*\* suppressed by Tough EC Herbicide when applied post-emergent, pre-seed and pre-emergent, alone.

<b>Common name</b>	<b>Scientific name</b>	<b>Product Rate</b>
<b>Common (tall) waterhemp</b>	<i>Amaranthus tuberculatus</i>	<b>1.5 L/ha</b>

\*\*Weeds which are listed as suppression by Tough EC will be controlled even if they are resistant biotypes of those weeds belonging to the following groups: Group 2: ALS inhibitors; Group 5: Photosystem II inhibitors; Group 9: EPSP synthase inhibitors.

For optimum results, apply Tough EC Herbicide to young, actively growing weeds. Early application will maximize crop yields by reducing weed competition. Weeds emerging after application of Tough EC Herbicide will not be controlled.

Prior to applications of Tough EC Herbicide, registered pre-emergence herbicides may be applied for grass control and may improve control of several of the weeds listed above. Consult these respective labels for directions, precautions and limitations prior to application.

Weed control following application of Tough EC Herbicide alone or in combination with grass weed herbicides, can be reduced or delayed under stress conditions such as drought, heat, insufficient fertility, flooding or prolonged cool temperatures. Optimum weed control will be obtained if application of Tough EC Herbicide is delayed until the stress conditions have ended and weeds are once again actively growing.

Do not apply to a crop that is stressed by conditions such as frost, low fertility, drought, flooding, disease or insect damage as crop injury may result.

### **Compatibility Test**

Additives and tank mixes should be tested for compatibility by mixing in a small container prior to mixing in the spray tank. In a glass jar (~1 litre size), add all mix partners, in their relative proportions. Invert, shake or mix the jar thoroughly. Though signs of incompatibility will typically be seen within 5 minutes of mixing, mixture should be observed for approximately 30 minutes.

### **Rate of Use**

Follow crop specific recommendations for application timing, rates, tank mixes and maximum seasonal use rates.

### **Corn, Field and Sweet**

Applications of Tough EC Herbicide can be made prior to crop emergence or directed over the top of the crop as corn is tolerant to Tough EC Herbicide up to the 8<sup>th</sup> leaf stage. Apply Tough EC at 0.75 L/ha to 1.5 L/ha in a minimum 100 L water/ha to corn for control or suppression of susceptible weed species. Use an appropriate spray volume that will provide sufficient coverage of the target weeds. Do not apply more than 2 times per season with a 10-14 day re-application interval. Apply Tough EC Herbicide at the high rate when weed pressure is high or for harder to control weeds. Do not apply more than 1.5 L/ha Tough EC Herbicide per season.

### **Pre-Grazing/Feeding Intervals:**

- **DO NOT** allow livestock to graze treated corn forage within 45 days of the last application.
- **DO NOT** cut treated corn stover for feed or silage within 100 days of the last application.

In field corn, broader spectrum weed control will be achieved when Tough EC Herbicide is tank mixed with the following herbicides:

- Shieldex 400 SC Herbicide,
- Callisto 480 SC Herbicide
- Armezon Herbicide, Impact Herbicide
- Dicamba (eg. Banvel Herbicide)
- Aatrex Liquid 480 Herbicide
- Vios G3

When tank-mixes are permitted, read and observe all label directions, including rates and restrictions for each product used in the tank-mix. Follow the more stringent label precautionary measures for mixing, loading and applying stated on both product labels.

Temporary crop injury may occur with tank-mixes under extreme weather conditions or when the crop is suffering from stress due to inadequate or abnormally high moisture levels or extreme temperatures.

### Chickpeas

Tough EC Herbicide may be used in chickpeas prior to crop emergence or post-emergence when they are in the 1-9 node stage. Use 0.75 L/ha to 1.5 L/ha Tough EC Herbicide in a minimum 100 L water/ha to chickpeas for control or suppression of labeled weeds. Use an appropriate spray volume that will provide sufficient coverage of the target weeds. Do not apply more than 2 times per season with a 10-14 day re-application interval. Apply Tough EC Herbicide at the high rate when weed pressure is high or for harder to control weeds. Apply to chickpeas when the weeds are young and actively growing. Do not apply more than 1.5 L/ha Tough EC Herbicide per season.

A pre-plant incorporated or pre-emergence application of a registered herbicide may be made prior to a post emergence application of Tough EC Herbicide to reduce weed competition during chickpea germination and early growth.

### Tank Mix with Squadron or Squadron II

Tough 600 EC may be tank mixed with Squadron or Squadron II and used in chickpeas prior to crop emergence or post-emergence when they are in the 1-4 node stage (maximum height of 8” or 20cm). Use 0.5 L/ha to 1 L/ha Tough 600 EC in a minimum 100 L water/ha in chickpeas for control of labeled weeds.

Weeds\*\* controlled by Tough 600 EC Herbicide tank mixed with Squadron or Squadron II when applied prior to crop emergence or post-emergence, in addition to weeds controlled by Tough 600 EC alone.

Common name	Scientific name	Product Rate	Rate of Squadron or Squadron II
Kochia	<i>Bassia scoparia</i>	0.5-1 L/ha	275 g/ha
Common lambsquarters	<i>Chenopodium album</i>	0.5-1 L/ha	
Volunteer canola	<i>Brassica napus, B. rapa</i>	0.75-1 L/ha	
Wild mustard	<i>Sinapis arvensis</i>	0.5-1 L/ha	

\*\*Weeds which are listed as controlled by Tough 600 EC will be controlled even if they are resistant biotypes of those weeds belonging to the following groups, Group 2: ALS inhibitors; Group 5: Photosystem II inhibitors; Group 9: EPSP synthase inhibitors.

### Mint

Applications of Tough EC Herbicide can be made prior to crop emergence or post-emergence on mint. Use 1.5 L/ha Tough EC Herbicide in a minimum 100 L water/ha to mint for control or

suppression of labeled weeds. Use an appropriate spray volume that will provide sufficient coverage of the target weeds.

Do not apply more than two times per season with a 14-day re-application interval. Do not apply more than 3 L/ha Tough EC Herbicide per season. Apply to mint when the weeds are young and actively growing.

A pre-plant incorporated or pre-emergence application of a registered herbicide may be made prior to a post emergence application of Tough EC Herbicide to reduce weed competition during mint early growth.

### Canola

Tough EC Herbicide may be used in canola prior to crop emergence. Use 0.75 L/ha to 1.5 L/ha Tough EC in a minimum 100 L water/ha to canola for control or suppression of labeled weeds. Use an appropriate spray volume that will provide sufficient coverage of the target weeds. Apply Tough EC Herbicide at the high rate when weed pressure is high or for harder to control weeds. Do not apply more than two times per season with a 10-14 day re-application interval. Do not apply more than 1.5 L/ha Tough EC Herbicide per season.

### Dry Peas

Tough EC Herbicide may be used in dry peas prior to crop emergence. Use 0.75 L/ha to 1.5 L/ha Tough EC Herbicide in a minimum 100 L water/ha to dry peas for control or suppression of labeled weeds. Use an appropriate spray volume that will provide sufficient coverage of the target weeds. Apply Tough EC Herbicide at the high rate when weed pressure is high or for harder to control weeds. Do not apply more than two times per season with a 10-14 day re-application interval. Do not apply more than 1.5 L/ha Tough EC Herbicide per season.

### Soybeans

Tough EC Herbicide may be used in soybeans prior to crop emergence. Use 0.5 L/ha to 1.0 L/ha Tough EC Herbicide in a minimum 100 L water/ha to soybeans for control or suppression of labeled weeds. Use an appropriate spray volume that will provide sufficient coverage of the target weeds. Do not apply more than 2 times per season with a 10-14 day re-application interval. Apply Tough EC Herbicide at the high rate when weed pressure is high or for harder to control weeds. Apply when the weeds are young and actively growing. Do not apply more than 1.0 L/ha Tough EC Herbicide per season.

### **Pregrazing Intervals:**

- **DO NOT** cut for feed or allow livestock to graze treated soybean forage and hay within 20 days of the last application.

<p><u>The DIRECTIONS FOR USE for the uses described in the section below of the label were developed by persons other than Belchim Crop Protection Canada Inc. under the User Requested Minor Use Label Expansion Program. For these uses, Belchim Crop Protection Canada Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in</u></p>
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accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

**Alfalfa (for seed production only)**

Applications of Tough EC Herbicide can be made prior to crop emergence on alfalfa grown for seed, or post-emergence on established alfalfa grown for seed up until alfalfa is 25cm tall. Apply Tough EC Herbicide at 0.75 L/ha to 1.5 L/ha in a minimum 100L water/ha to alfalfa for control or suppression of labeled weeds. Use an appropriate spray volume that will provide sufficient coverage of the target weeds. Do not apply more than 2 times per season with a 10-14 day re-application interval. Apply Tough EC Herbicide at the high rate when weed pressure is high or for harder to control weeds. Do not apply more than 1.5 L/ha Tough EC Herbicide per season.

Note: To minimize herbicide symptoms, apply to actively growing established alfalfa grown for seed that has sufficiently hardened off and that has a substantial waxy cuticle. Avoid irrigation in the 3 days just prior to herbicide application. Delay application for 3 days after rainfall, cool, or cloudy weather to allow the crop to harden-off. Do not apply Tough EC Herbicide when temperatures exceed 25°C, as crop injury may result.

**Feeding/Grazing Restrictions:**

- For seed production only, DO NOT feed seed screenings and aftermath to livestock.
- DO NOT use seed for human or animal consumption.
- DO NOT harvest forage or cut hay.
- DO NOT permit livestock to graze treated fields.