

GROUP

13

HERBICIDE

## COMMAND® CHARGE A Herbicide

### Microcapsule Suspension

### COMMERCIAL

For pre-plant application in herbicide-tolerant canola

**ACTIVE INGREDIENT:** Clomazone .....360 g/L

Contains 1,2-benzisothiazolin-3-one at 0.004 % as a preservative

OR

Contains bronopol at 0.00176%, 5-chloro-2-methyl-4-isothiazolin-3-one at 0.00017% and 2-methyl-4-isothiazolin-3-one at 0.000056% as preservatives

OR

Contains 5-chloro-2-methyl-4-isothiazolin-3-one at 0.00022% and 2-methyl-4-isothiazolin-3-one at 0.000074% as preservatives.

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



CAUTION

POISON

**POTENTIAL EYE AND SKIN IRRITANT  
POTENTIAL SKIN SENSITIZER**

**REGISTRATION NO.:** 33558  
*PEST CONTROL PRODUCTS ACT*

**NET CONTENTS:** 1 L - 1000 L

FMC of Canada Limited  
6755 Mississauga Road, Suite 204  
Mississauga, ON L5N 7Y2  
1-833-362-7722

**IN CASE OF EMERGENCY, CALL 1-800-331-3148 (24 HOURS).**

### **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 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 center 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.

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

### **TOXICOLOGICAL INFORMATION**

Treat symptomatically.

### **PRECAUTIONS**

KEEP OUT OF REACH OF CHILDREN

**Harmful if swallowed or absorbed through the skin. Irritating to eyes and skin. Potential skin sensitizer.**

Avoid breathing vapour or mist. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

### **Personal Protective Equipment (PPE):**

During mixing, loading, cleanup, repair and application wear long-sleeved shirt, long pants, chemical resistant gloves and shoes plus socks.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/ maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Wear freshly laundered clothes daily. Clothing should be washed separately from household laundry, before reuse.
- Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## **RESTRICTIONS**

Do not apply more than one application per season.

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high-water mark. Do not apply when weather conditions favor drift from the area treated. Do not apply where runoff is likely to occur. Do not contaminate any body of water by direct application, cleaning of equipment or disposal of waste. **DO NOT APPLY COMMAND® CHARGE A Herbicide THROUGH ANY TYPE OF IRRIGATION EQUIPMENT.**

### **DO NOT apply using aerial application equipment**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

## **ENVIRONMENTAL HAZARDS**

This product is toxic to aquatic organisms. Do not apply directly to surface waters or wetlands. Do not apply to areas where runoff is likely to occur. Do not contaminate any body of water by direct application, cleaning of equipment or disposal of wastes. Do not apply when weather conditions favor drift from the treated area. Foliar contact with spray or vapours may cause foliar whitening or yellowing of sensitive plants. Symptoms are generally temporary but may persist in some plant species.

## **GRAZING/FEEDING RESTRICTION**

Do not graze the treated crop or cut for hay; sufficient data are not available to support such use.

## **STORAGE**

If possible, store above 5°C to keep product from freezing. If frozen, thaw before use. If solid crystals are observed, warm material to above 15 °C by placing container in warm location. Shake or roll container periodically to redissolve solids.

Do not use or store near heat or open flame.

Store in original containers only. Store in a dry location. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

## **DISPOSAL**

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.

PMRA Approved 2020-1059  
2020-06-12

4. Dispose of the container in accordance with provincial requirements.
5. 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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COMMAND® is a registered trademark of FMC Corporation or an affiliate.

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### **WARNING**

APPLY THIS PRODUCT ONLY AS SPECIFIED ON THIS LABEL. FAILURE TO FOLLOW LABEL INSTRUCTIONS MAY RESULT IN ERRATIC WEED CONTROL OR CROP DAMAGE. READ ALL DIRECTIONS CAREFULLY BEFORE APPLYING. Do not apply to peat or muck soils or any containing more than 10% organic matter. If COMMAND® CHARGE A Herbicide is to be applied to fields spread with manure, ensure that the manure has been thoroughly disintegrated and mixed into the soil to a depth of 10-15 cm before COMMAND® CHARGE A Herbicide application.

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### DISPOSAL

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### DIRECTIONS FOR USE

#### APPLICATION AND DRIFT PRECAUTIONS

- DO NOT apply more than one application per season
- DO NOT apply during periods of dead calm or when winds are gusty.
- **DO NOT apply using aerial application equipment** – Use ground equipment only.
- COMMAND<sup>®</sup> CHARGE A Herbicide must be applied as per the directions on this label.
- Failure to properly apply COMMAND<sup>®</sup> CHARGE A Herbicide may result in off-target movement of this product.
- Plants sensitive to foliar damage from COMMAND<sup>®</sup> CHARGE A Herbicide are listed in the following table:

<b>Trees:</b> Fruit trees, cherry (fruit, black, pin, choke)*, poplar*, willow*, ash, maple, basswood, walnut, elm, ornamentals, hickory, and spruce
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<b>Vegetables and Flowers:</b> All
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<b>Cereal Crops:</b> Wheat, oats, barley, winter wheat, rye, and triticale
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<b>Forage Crops:</b> Alfalfa
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<b>Shrubs and Vines:</b> Ornamentals, raspberry*, grapes*, roses*, and strawberry
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\*Extremely sensitive plants



Off-target movement of COMMAND® CHARGE A Herbicide may occur either directly through spray drift at the time of application, or through the volatilization of applied product and subsequent vapour drift. **OFF-TARGET DRIFT OF COMMAND® CHARGE A Herbicide MUST BE AVOIDED TO PREVENT FOLIAR DAMAGE TO NEIGHBORING VEGETATION.**

### **SPRAY DRIFT MITIGATION MEASURES**

Spray drift is influenced by many factors, including wind speed, spray pressure, particle size, nozzle type, and applicator boom height. To minimize the risk of off-site migration from spray drift:

- Use a low sprayer pressure – **Do not exceed 207kPa spray pressure.**
- Select an operating pressure and volume that meet a droplet size classification of coarse or greater.  
**Consider using low-drift nozzles.**
- Do not apply during periods of dead calm, or when winds are gusty or in excess of 16 km/hr.
- Minimize sprayer boom height while maintaining a uniform spray pattern.
- Apply during calmer periods of the day (e.g., early morning or late in day).
- Do not apply during a temperature inversion (see text on **TEMPERATURE INVERSIONS**).

### **BUFFER ZONES**

To mitigate against off-site movement of spray drift, observe buffer zones specified under 'VAPOUR DRIFT MITIGATION'. When a tank mixture 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.

### **TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. Their presence can be indicated by ground fog or characterized by lateral movement of smoke layers in a concentrated cloud. **Application should be avoided during temperature inversions, as insufficient vertical mixing may result in off-target movement of COMMAND® CHARGE A Herbicide.**

### **VAPOUR DRIFT MITIGATION**

COMMAND® CHARGE A Herbicide will volatilize from soils. To minimize the risk of off-site movement of vapours:

- Do not apply COMMAND® CHARGE A Herbicide when air temperatures exceed 25° C.
- **DO NOT SPRAY COMMAND® CHARGE A HERBICIDE WITHIN 90 METRES OF SENSITIVE PLANTS or SENSITIVE TERRESTRIAL HABITATS.**
- **DO NOT APPLY COMMAND® CHARGE A HERBICIDE WITHIN 370 METRES OF THE FOLLOWING AREAS:**
  - Residential areas of towns and subdivisions
  - Areas of established vegetable production
  - Fruit production, commercial nurseries, or greenhouses

## ROTATIONAL CROPPING PRECAUTIONS

**NOTE:** When using COMMAND® CHARGE A Herbicide with other registered herbicides always refer to rotational restrictions and precautions on the other product's label.

Under some conditions, temporary whitening or yellowing of leaves may occur on approved rotational crops where undesirable soil residues of COMMAND® CHARGE A Herbicide exist.

Under abnormal conditions, carryover injury to rotational crops can occur. The following factors can contribute to increased risk of injury to rotational crops:

1. Exceeding label recommended rates.
2. Overapplication resulting from use of worn nozzles, excessive overlapping of spray swaths, failing to shut off spray booms when turning (end row areas), or slowing or stopping sprayer.
3. Soil with pH less than or equal to 5.9.
4. Extreme dryness in the four months following application.
5. Choice of rotational crop hybrid.

Additional recommendations to prevent rotational crop injury may be provided in the form of service bulletins for locations where risk of injury is significantly increased due to extremely dry conditions.

Rate of COMMAND® CHARGE A Herbicide Applied	Plant Back Interval	Rotational Crops
0.25 – 0.33 L/ha	Immediately	Soybeans, spring canola
	4 months	Winter wheat
	Following spring	Beans (white, kidney, snap), corn (field, sweet), peas, peppers (transplant, plugs), broccoli (transplant, plugs), cucumbers, melons, pumpkins, squash, potatoes, spring wheat, durum wheat, spring barley, oats, lentils

Under normal conditions, COMMAND® CHARGE A Herbicide will not harm approved crops grown in rotation. Compaction, non-uniform tillage, seedling disease, cold weather, deep planting, excessive moisture, or drought may weaken crop seedlings and increase risk of damage from COMMAND® CHARGE A Herbicide, resulting in delayed crop development or reduced yield. Drought conditions in the year prior to seeding rotational crops may result in higher levels of COMMAND® CHARGE A Herbicide in the soil. To reduce the possibility of injury to rotational crops, use good agronomic practices.

Use a well-maintained, properly calibrated sprayer set to apply COMMAND® CHARGE A Herbicide at recommended rates and water volumes. Do not exceed label recommended rates. Avoid overlapping or situations resulting in excessive application, which could result in crop and /or rotational crop injury.

## **SPRAYER CLEANUP**

Failure to observe the following may injure sensitive plants or trees. Do not park, drain or flush equipment on or near sensitive trees or other plants. Avoid areas in which desirable plant roots may extend into flush and cleaning location. Do not rinse and clean in areas where the herbicide may be washed or moved into contact with plant roots. Do not contaminate any body of water.

After spraying COMMAND® CHARGE A Herbicide and before using sprayer equipment for any other applications, the sprayer must be thoroughly cleaned using the following procedure:

1. Drain sprayer tank, hoses, and spray boom. Use a high-pressure detergent wash to remove physical sediment and residues from the inside of the sprayer tank and thoroughly rinse. Then thoroughly flush all sprayer hoses, booms, and nozzles with clean water.
2. Prepare a sprayer cleaning solution by adding heavy-duty detergent or three litres of ammonia (containing at least 3% active) per 100 litres of clean water. Prepare sufficient cleaning solution to allow the operation of the spray system for a minimum of 15 minutes to thoroughly flush hoses, spray boom and spray nozzles.
3. Convenient and thorough cleaning of the sprayer can be achieved if the cleaning solution or fresh water is left in the spray tank, hoses, spray booms and spray nozzles overnight or during storage.
4. Drain the sprayer system. Rinse the tank with clean water and flush through the hoses, boom, and nozzles. Remove and clean spray tips and all strainers and screens separately in an ammonia solution.
5. When switching from water dilutions to applications utilizing crop oil or liquid fertilizer as a carrier, a small volume of crop oil or liquid fertilizer should be flushed through the tank, pump, hoses, and boom prior to the next use.
6. Properly dispose of all cleaning solution and rinsate, including crop oil or liquid fertilizer rinsate, in accordance with provincial guidelines and regulations.

## **GENERAL MIXING INSTRUCTIONS**

Care must be taken when mixing COMMAND® CHARGE A Herbicide. Avoid mixing in areas adjacent to desirable plants.

It is important that spray equipment is clean and free of existing pesticide deposits before using this product. Follow the spray tank clean-out procedures specified on the label of the product previously applied before adding COMMAND® CHARGE A Herbicide to the tank.

**COMMAND® CHARGE A Herbicide:** Mix COMMAND® CHARGE A Herbicide with water or liquid fertilizer in the following manner: Fill the spray tank one-half to three-fourths full of water or liquid fertilizer, add the proper amount of COMMAND® CHARGE A Herbicide, then add the rest of the water or liquid fertilizer. Provide sufficient agitation during mixing and application to maintain a uniform spray mixture. Apply spray solution immediately after mixing.

**Tank Mixtures:** Fill spray tank one-half to two-thirds full of water; with agitator operating add the recommended amount of ingredients using the following order:

- **Wettable powders and dispersible granules**
- **Agitate tank mix thoroughly**
- **Micro-encapsulated suspensions (e.g. COMMAND® CHARGE A Herbicide)**
- **Liquid flowables and suspensions**
- **Emulsifiable concentrate formulations**
  - Fill spray tank nearly full of water
- **Glyphosate formulations**
- **Surfactants**
  - Complete filling the spray tank to the desired level

Maintain agitation during filling, mixing and application. When using drift reducing agents, follow specific product label instructions for order of addition to spray tank.

## **GENERAL APPLICATION INSTRUCTIONS**

### **Ground Application Only**

Use a well-maintained, properly calibrated sprayer set to apply COMMAND® CHARGE A Herbicide at recommended rates and water volumes. Apply COMMAND® CHARGE A Herbicide by ground equipment using a finished spray volume of 95 to 375 L of water per hectare. Coarse sprays are less likely to drift out of target area than fine sprays. See “APPLICATION AND DRIFT PRECAUTIONS” and “SPRAY DRIFT MITIGATION MEASURES” sections for specific recommendations to reduce spray drift. Do not exceed label recommended application rates. Avoid overlapping or situations resulting in excessive application, which could result in crop and/or rotational crop injury.

Crops growing under stress from adverse environmental conditions such as excess moisture, drought, disease, etc. or adverse agronomic practices such as poor seed placement, poor fertility, soil compaction, etc. may exhibit injury symptoms from COMMAND® CHARGE A Herbicide application. Such effects are often observed as transient whitening of crop leaves but under severe conditions may contribute to crop loss. Following good agronomic practices, as recommended by local provincial extension personnel, will reduce the risk of crop injury

### **Banded Applications**

Calculate the rates and volumes required by using the following formulas:

$$\frac{\text{Band width in centimetres}}{\text{Row width In centimeteres}} \times \text{Broadcast Rate Per hectare} = \text{Band rate per hectare}$$

$$\frac{\text{Band width in centimetres}}{\text{Row width In centimeteres}} \times \text{Broadcast Volume Per hectare} = \text{Band Volume per hectare}$$

### Cultivation After Planting

If cultivation is necessary because of soil crusting, compaction, or weed emergence, soil treated with COMMAND® CHARGE A Herbicide may be shallow-cultivated (no deeper than 5 cm) or rotary-hoed without reducing the weed control activity of COMMAND® CHARGE A Herbicide. Avoid deep cultivation which may bring untreated soil to the surface and result in poor weed control.

### CROP-SPECIFIC USE DIRECTIONS

<b>CANOLA (NATIONAL)</b>	
<b>CROP</b>	Canola
<b>GENERAL INFORMATION</b>	COMMAND® CHARGE A Herbicide is to be used as part of a system approach for the control of cleavers in all herbicide tolerant canola varieties. Application of a post-emergence herbicide that is effective on cleavers, e.g. a herbicide to which the canola variety is tolerant, is required for season-long control.
<b>WEEDS CONTROLLED</b>	<u>Broadleaf weeds:</u> <ul style="list-style-type: none"> <li>• Cleavers<sup>1</sup></li> </ul>
<b>APPLICATION TIMING</b>	Apply as a single, soil-applied application prior to seeding canola and prior to weed emergence.
<b>APPLICATION VOLUME</b>	Apply in a minimum of 100 L of water per hectare.
<b>APPLICATION RATES</b>	Apply broadcast at a rate range of 0.25 - 0.33 L/ha. Application of 0.25 L/ha will suppress cleavers and can be used if cleaver populations are light.
<b>RESTRICTIONS</b>	DO NOT make more than one application per season. Apply prior to seeding canola. DO NOT incorporate COMMAND® CHARGE A Herbicide. DO NOT apply to sandy soil. Control may be reduced in high Organic Matter soils.
<b>NOTES</b>	Temporary whitening and/or yellowing of the crop may occur when emerging from the treated soil. Susceptible weed species may emerge from the soil but are devoid of pigmentation and plant death occurs in a short period of time. <sup>1</sup> Suppression only at 0.25 L/ha. Suppression is a visual reduction in weed competition (reduced population and/or vigor) as compared to an untreated area. Competition by weeds listed as suppressed that remain in a crop will vary depending upon factors such as crop competition, weed biotype, the number of weed seeds in the soil and the time of weed emergence relative to crop emergence.

<b>TANK MIXTURES – CANOLA (NATIONAL)</b>	
<b>GENERAL INFORMATION</b>	<p>COMMAND® CHARGE A Herbicide may be tank mixed with the following herbicides to broaden the weed control spectrum.</p> <p>When applying mixtures of COMMAND® CHARGE A Herbicide with other herbicides, observe all precautions and limitations appearing on the labels of each product.</p> <p>Do not incorporate tank mixtures of COMMAND® CHARGE A Herbicide and other products.</p> <p>Observe all application precautions, rotational guidelines and replanting instructions of each product's label when using tank mixes.</p>
<b>COMMAND® CHARGE A HERBICIDE PLUS COMMAND® CHARGE B HERBICIDE TANK MIX</b>	
<b>CROP</b>	Canola
<b>APPLICATION RATES AND WEEDS CONTROLLED</b>	<p><b>COMMAND® CHARGE A Herbicide:</b> Rate: 0.25<sup>1</sup> - 0.33 L/ha Weeds controlled:</p> <ul style="list-style-type: none"> <li>• Cleavers</li> </ul> <p><b>COMMAND® CHARGE B Herbicide<sup>2,3</sup>:</b> Rate: 36.5 mL/ha Weeds controlled:</p> <ul style="list-style-type: none"> <li>• Lambsquarters, common (up to 7.5 cm tall)</li> <li>• Morning glory (up to 3 leaves)</li> <li>• Nightshade, Eastern black (up to 5 cm tall)</li> <li>• Pigweed, redroot</li> <li>• Velvetleaf</li> <li>• Waterhemp, tall (up to 5 cm tall)</li> </ul> <p>Rate: 58 mL/ha Weeds controlled: all weeds controlled at 36.5 mL/ha rate plus:</p> <ul style="list-style-type: none"> <li>• Flixweed,</li> <li>• Lambsquarters, common</li> <li>• Mallow, round-leaved</li> <li>• Morning glory</li> <li>• Nightshade, hairy</li> <li>• Pennycress, field (stinkweed)</li> <li>• Pigweed, prostrate</li> <li>• Pigweed, smooth</li> <li>• Pigweed, tumble</li> <li>• Purslane, common</li> </ul>

	<ul style="list-style-type: none"> <li>• Smartweed, Pennsylvania (seedling)</li> <li>• Mustard, tansy</li> <li>• Waterhemp, tall</li> <li>• Waterhemp, common</li> </ul> <p>Rate: 73 mL/ha</p> <p>Weeds controlled: all weeds controlled at 58 mL/ha rate plus:</p> <ul style="list-style-type: none"> <li>• Carpetweed</li> <li>• Cleavers</li> <li>• Cocklebur</li> <li>• Jimsonweed</li> <li>• Kochia</li> <li>• Nightshade, Eastern black</li> <li>• Thistle, Russian (up to 5 cm tall),</li> <li>• Shepherd's purse</li> <li>• Canola, volunteer, including glyphosate-tolerant</li> </ul> <p>Rate: 117 mL/ha</p> <p>Weeds controlled: all weeds controlled by the 73 mL/ha rate plus:</p> <ul style="list-style-type: none"> <li>• Burclover</li> <li>• Lettuce, prickly</li> <li>• Mallow, Venice (up to 5 cm tall)</li> <li>• Spurry, corn</li> </ul>
<p><b>RESTRICTIONS</b></p>	<p>DO NOT make more than one application per season. Apply prior to seeding canola. DO NOT incorporate. DO NOT apply to sandy soil. Control may be reduced in high organic matter soils.</p>
<p><b>NOTES</b></p>	<p>Temporary whitening and/or yellowing of the crop may occur when emerging from the treated soil.</p> <p>Susceptible weed species may emerge from the soil but are devoid of pigmentation and plant death occurs in a short period of time.</p> <p><sup>1</sup>Suppression only at 0.25 L/ha. Suppression is a visual reduction in weed competition (reduced population and/or vigor) as compared to an untreated area. Competition by weeds listed as suppressed that remain in a crop will vary depending upon factors such as crop competition, weed biotype, the number of weed seeds in the soil and the time of weed emergence relative to crop emergence.</p> <p><sup>2</sup>When used as directed, tank mixes with COMMAND® CHARGE B Herbicide will provide control of listed weeds up to 10 cm in height, or as specified.</p>

	<p><sup>3</sup>The tank mix of COMMAND® CHARGE A Herbicide with COMMAND® CHARGE B Herbicide must include Agral 90 or AgSurf at 0.25% v/v (0.25L per 100L of spray solution) or Merge at 1% v/v (1L per 100L of spray solution)</p>
<p><b>COMMAND® CHARGE A HERBICIDE PLUS COMMAND® CHARGE B HERBICIDE PLUS GLYPHOSATE TANK MIX</b></p>	
<p><b>CROP</b></p>	<p>Canola</p>
<p><b>APPLICATION RATES AND WEEDS CONTROLLED</b></p>	<p><b>COMMAND® CHARGE A Herbicide:</b> Rate: 0.25<sup>1</sup> - 0.33 L/ha Weeds controlled:</p> <ul style="list-style-type: none"> <li>• Cleavers</li> </ul> <p><b>COMMAND® CHARGE B Herbicide<sup>2,3</sup>:</b> Rate: 36.5 mL/ha Weeds controlled:</p> <ul style="list-style-type: none"> <li>• Lambsquarters, common (up to 7.5 cm tall)</li> <li>• Morning glory (up to 3 leaves)</li> <li>• Nightshade, Eastern black (up to 5 cm tall)</li> <li>• Pigweed, redroot</li> <li>• Velvetleaf</li> <li>• Waterhemp, tall (up to 5 cm tall)</li> </ul> <p>Rate: 58 mL/ha Weeds controlled: all weeds controlled at 36.5 mL/ha rate plus:</p> <ul style="list-style-type: none"> <li>• Flixweed,</li> <li>• Lambsquarters, common</li> <li>• Mallow, round-leaved</li> <li>• Morning glory</li> <li>• Nightshade, hairy</li> <li>• Pennycress, field (stinkweed)</li> <li>• Pigweed, prostrate</li> <li>• Pigweed, smooth</li> <li>• Pigweed, tumble</li> <li>• Purslane, common</li> <li>• Smartweed, Pennsylvania (seedling)</li> <li>• Mustard, tansy</li> <li>• Waterhemp, tall</li> <li>• Waterhemp, common</li> </ul> <p>Rate: 73 mL/ha Weeds controlled: all weeds controlled at 58 mL/ha rate plus:</p>



- Carpetweed
- Cleavers
- Cocklebur
- Jimsonweed
- Kochia
- Nightshade, Eastern black
- Thistle, Russian (up to 5 cm tall),
- Shepherd's purse
- Canola, volunteer, including glyphosate-tolerant

Rate: 117 mL/ha

Weeds controlled: all weeds controlled by the 73 mL/ha rate plus:

- Burclover
- Lettuce, prickly
- Mallow, Venice (up to 5 cm tall)
- Spurry, corn

**Glyphosate:**

Rate: 450 g ae/ha<sup>4</sup>

Weeds controlled:

- Barley, volunteer
- Foxtail, green
- Lady's thumb
- Mustard, wild
- Oats, wild
- Wheat, volunteer

Rate: 450 - 685 g ae/ha<sup>4</sup>

Weeds controlled: weeds controlled by the 450 g ae/ha rate plus:

- Brome, downy
- Buckwheat, wild<sup>5</sup>
- Darnel, Persian
- Flax, volunteer
- Fleabane, Canada (less than 8 cm in height)
- Foxtail, giant
- Hemp Nettle
- Narrow-leaved hawk's beard<sup>6</sup>
- Ragweed, common (less than 8 cm in height)

	<p>Rate: 810 g ae/ha<sup>4</sup> Weeds controlled: weeds controlled by the 450-685 g ae/ha rate plus:</p> <ul style="list-style-type: none"> <li>• Bluegrass, annual</li> <li>• Crab grass</li> <li>• Narrow-leaved vetch</li> <li>• Prickly lettuce</li> <li>• Sowthiste, annual</li> </ul> <p>Rate: 900 g ae/ha<sup>4</sup> Weeds controlled: weeds controlled by the 810 g ae/ha rate plus:</p> <ul style="list-style-type: none"> <li>• Dandelion (less than 15 cm)</li> <li>• Quackgrass (light to moderate infestations, 3-4 green leaves or more)</li> </ul>
<p><b>RESTRICTIONS</b></p>	<p>DO NOT make more than one application per season. Apply prior to seeding canola. DO NOT incorporate. DO NOT apply to sandy soil. Control may be reduced in high organic matter soils.</p>
<p><b>NOTES</b></p>	<p>Temporary whitening and/or yellowing of the crop may occur when emerging from the treated soil. Susceptible weed species may emerge from the soil but are devoid of pigmentation and plant death occurs in a short period of time. <sup>1</sup>Suppression only at 0.25 L/ha. Suppression is a visual reduction in weed competition (reduced population and/or vigor) as compared to an untreated area. Competition by weeds listed as suppressed that remain in a crop will vary depending upon factors such as crop competition, weed biotype, the number of weed seeds in the soil and the time of weed emergence relative to crop emergence. <sup>2</sup>When used as directed, tank mixes with COMMAND® CHARGE A Herbicide will provide control of listed weeds up to 10 cm in height, or as specified. <sup>3</sup>An adjuvant is not required for this tank mix. <sup>4</sup>Weeds up to 15 cm in height are controlled by these rates of glyphosate unless otherwise specified <sup>5</sup>Wild buckwheat: use 450 g ae/ha of glyphosate if less than 3 leaves or 685 g ae/ha if 3-4 leaf stage <sup>6</sup>Narrow-leaved hawk's-beard: use 450 g ae/ha of glyphosate if less than 8cm in height or 685 g ae/ha if 8-15 cm</p>

## RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that COMMAND® CHARGE A Herbicide is a Group 13 herbicide. Any weed population may contain or develop plants naturally resistant to COMMAND® CHARGE A Herbicide and other Group 13 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same fields. 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:

1. Where possible, rotate the use of COMMAND® CHARGE A Herbicide or other Group 13 herbicides within a growing season (sequence) or among growing seasons with different herbicide groups that control the same weeds in a field.
2. 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.
3. 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.
4. Monitor treated 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 and planting clean seed.
5. Have suspected resistant weed seeds tested by a qualified laboratory to confirm resistance and identify alternative herbicide options.
6. Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for the specific crops and weed biotypes.
7. For further information or to report suspected resistance contact FMC of Canada Limited. via internet at <https://ag.fmc.com/ca/en>.

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