Container label

ANTLER® CLETHODIM

Selective Herbicide

GROUP	1	HERBICIDE

POST-EMERGENCE HERBICIDE FOR CONTROL OF GRASSES IN CANOLA (including imazethapyr-tolerant varieties), LEGUME VEGETABLES (SUCCULENT OR DRIED), EDAMAME, HIGHBUSH BLUEBERRY, BASIL, CORIANDER, DILL, CARAWAY, FENUGREEK, CRANBERRY, FLAX (including low linolenic acid varieties), FIELD PEAS, LENTILS, DESI and KABULI CHICKPEAS, DRY BULB ONIONS, DRY BULB SHALLOTS, GARLIC, GREEN ONION, LEEK, POTATOES, MUSTARD (oriental, brown, yellow) (condiment and oilseed types), BRASSICA CARINATA, SOYBEANS, SEEDLING ALFALFA, SUNFLOWERS, DRY BEANS (Pinto, Black, Great Northern, Red, Pink and Navy), PRAIRIE CARNATIONS, SAFFLOWER, SPINACH, RED GARDEN (TABLE) BEET, PARSNIP, CARROT, RADISH, CELERIAC, RUTABAGA, CHERRY (tart and sweet), CERTAIN HERBS, SPICES, HOPS, CHINESE CABBAGE (napa), CELERY AND BUCKWHEAT

COMMERCIAL (AGRICULTURAL)

EMULSIFIABLE CONCENTRATE
ACTIVE INGREDIENT: CLETHODIM 240 g/L

REGISTRATION NO. 33595 PEST CONTROL PRODUCTS ACT

WARNING: EYE AND SKIN IRRITANT

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

FOR EMERGENCY MEDICAL TREATMENT INFORMATION, CALL 1-877-496-3329.

FOR 24-HOUR CHEMICAL SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT RESPONSE INFORMATION, CALL CHEMTREC TOLL FREE AT 1-800-424-9300.

NET CONTENTS: 2-1050 LITRES

WinField United Canada, ULC
101-302 Wellman Lane
Saskatoon, Saskatchewan

Canada S7T 0J1
1 (888) 975-4769

GENERAL INFORMATION:
ANTLER CLETHODIM is a selective post-emergence herbicide for control of a broad range of grasses in canola (including imazethapyr-tolerant varieties), legume vegetables (succulent or dried), edamame, highbush blueberry, basil, coriander, dill, caraway, fenugreek, cranberry, flax (including low linolenic acid varieties), field peas, lentils, Desi and Kabuli chickpeas, dry bulb onions, dry bulb shallots, garlic, green onion, leek potatoes, mustard (oriental, brown, yellow) (condiment and oilseed types), Brassica carinata, soybeans, seedling alfalfa, sunflowers and dry beans (Pinto, Black, Great Northern, Red, Pink and Navy), prairie carnations, safflower, spinach, red garden (table) beet, parsnip, carrot, radish, celeriac, rutabaga, cherry (tart and sweet), certain herbs, spices, hops, Chinese cabbage (napa), celery and buckwheat.
ANTLER CLETHODIM is to be used only with adjuvant Surf-Act®, Destinaire High Surfactant Oil Concentrate, Journey™ HSOC, Destination MSO, MSO Concentrate with Leci-Tech, MSO Spray Adjuvant, Masterlock or Strikelock.

ANTLER CLETHODIM is a systemic herbicide which is translocated from the treated foliage to the growing points of the leaves, shoots and roots. Uptake into the plant is primarily through its leaves. Thorough coverage of the foliage is important for consistent grass control. Susceptible grasses that are actively growing will undergo a burn-back and colour change after treatment. Leaf foliage will first change from green to yellowish, then purplish and finally brown colour. The time required for complete control is normally 7 to 21 days following treatment, depending on growing conditions, and crop competition.

PRECAUTIONS:
KEEP OUT OF REACH OF CHILDREN. May irritate eyes. Avoid contact with eyes and clothing. Causes skin irritation. DO NOT get on skin. Wash concentrate from skin or eyes immediately. Do not inhale fumes. Avoid breathing vapours or spray mist. After use, wash hands and other exposed skin. When using, do not eat, drink or smoke. Remove and launder contaminated clothing separately from household laundry before reuse. Store the container tightly closed and away from seeds, feeds, fertilizer, plants and foodstuffs. Observe appropriate provincial buffer zones around bodies of water and wetland areas.

Apply only to agricultural crops when the potential for drift to areas of human habitation and areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

When handling the concentrate, mixing, loading or during cleanup and repair, wear goggles or face shield, rubber apron, chemical- resistant gloves, rubber boots, long-sleeved shirt and long pants. Wear long-sleeved shirt and long pants during application. In addition, for hand-held application equipment, including backpack sprayer, wear chemical-resistant gloves during application.

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

ENVIRONMENTAL PRECAUTIONS:
Toxic to aquatic organisms and non-target terrestrial plants.

Observe spray buffer zones specified under DIRECTIONS FOR USE.

Toxic to certain beneficial arthropods (which may include predatory and parasitic insects, spiders, and mites). Minimize spray drift to reduce harmful effects on beneficial arthropods in habitats next to the application site such as hedgerows and woodland.

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. Additional guidance can be found on the Runoff Mitigation portion of the Canada.ca website.

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

This product contains 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 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 the eye. Call a poison control centre or doctor for treatment advice.

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

TOXICOLOGICAL INFORMATION: Treat symptomatically. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia.

STORAGE:
Store this product away from food or feed.

DISPOSAL:
Recyclable Containers
Disposal of container: 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.

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Disposal of unused, unwanted product**:** 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 cleanup 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.

Pamphlet label

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DIRECTIONS FOR USE:

ANTLER CLETHODIM is to be used only on canola (including imazethapyr-tolerant varieties), legume vegetables (succulent or dried), edamame, highbush blueberry, basil, coriander, dill, caraway, fenugreek, cranberry, flax (including low linolenic acid varieties), field peas, lentils, Desi and Kabuli chickpeas, dry bulb onions, dry bulb shallots, garlic, green onion, leek potatoes, mustard (oriental, brown, yellow)(condiment and oilseed types), Brassica carinata, soybeans, seedling alfalfa, sunflowers and dry beans (Pinto, Black, Great Northern, Red, Pink and Navy), prairie carnations, safflower, spinach, red garden (table) beet, parsnip, carrot, radish, celeriac, rutabaga, cherry (tart and sweet), certain herbs, spices, hops, Chinese cabbage (napa), celery and buckwheat. Apply a maximum of one application per season on dry common beans (Phaseolus vulgaris varieties only).

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

Not for use in greenhouses.

A 30-day plant-back interval should be observed for all unlabelled crops.

Time of Application:

Apply ANTLER CLETHODIM when the annual grasses and volunteer cereals are in the 2 to 6 leaf stage as specified under APPLICATION RATES OF ANTLER CLETHODIM. Most effective control is achieved when application is made prior to tillering when annual grasses are small and actively growing.

For suppression or control of quackgrass, apply ANTLER CLETHODIM when the quackgrass is in the 2 to 6 leaf stage and 6 to 15 cm in height. Most effective results are achieved when application is made at the 3 to 5 leaf stage, when the canopy is uniform and actively growing.

ANTLER CLETHODIM will be less effective when plants are stressed by lack of moisture, excessive moisture, low temperature and/or very low relative humidity. Regrowth by tillering may occur if application is made under any of the above stress conditions. In wide row crops, where the canopy may be slow to close, cultivation may be necessary to control grasses that emerge after treatment.

For Desi and Kabuli chickpeas, apply ANTLER CLETHODIM at a maximum of one application per season before the crop reaches the 9 node stage (18 cm height maximum) and when the annual grasses and volunteer cereals are in the 2 to 6 leaf stage.

For dill and fenugreek, apply ANTLER CLETHODIM post-emergence, when dill or fenugreek is in the 3 to 5 leaf stage at a maximum of one application per season.

For coriander, or prairie carnation, apply ANTLER CLETHODIM post-emergence, when coriander or prairie carnation is in the 2 to 5 leaf stage. A maximum of one application may be made per year.

For safflower, apply ANTLER CLETHODIM post-emergence, when safflower is in the 6 to 8 leaf stage at a maximum of one application per season.

Cranberry is tolerant to ANTLER CLETHODIM at all stages of growth, however, do not apply ANTLER CLETHODIM between the hook stage and full fruit set.

For dry bulb onions, dry bulb shallots and garlic, apply ANTLER CLETHODIM post-emergence, when crops are in the 1-4 leaf stage.

For green onion, apply ANTLER CLETHODIM post emergence, when crop is in the 2 – 3 leaf stage.

For leek, apply ANTLER CLETHODIM post-emergent at least 2 weeks after transplanting when crop is well established and has produced one new fully expanded leaf.

Apply ANTLER CLETHODIM only to established sweet and tart cherry trees. The pre-harvest interval outlined in the Crop Recommendations table must be followed to avoid excessive crop residues.

Canola (including imazethapyr-tolerant varieties), flax (including low linolenic acid varieties), field peas, lentils, potatoes, mustard (oriental, brown, yellow) (condiment type only), soybeans, seedling alfalfa, sunflowers and dry beans (Pinto, Black, Great Northern, Red, Pink and Navy) are tolerant to ANTLER CLETHODIM at all stages of growth. However, the pre-harvest interval outlined in the Crop Recommendations table must be followed to avoid excessive crop residues.

Application Rates of ANTLER CLETHODIM:
Rates of use are given below to control various grass species. Refer to crop section for the maximum use rate on each crop.

Grass Species	Leaf Stage	Application Rate of ANTLER CLETHODIM	Application Rate of Adjuvant Surf-Act, Destinaire HSOC, Journey™ HSOC, Destination MSO, MSO Concentrate with Leci-Tech, MSO Spray Adjuvant, Masterlock or Strikelock
*Foxtail (green, yellow) Wild oats Volunteer cereals (wheat, barley, oats)	2-4	0.125 L/ha	0.5 % v/v

Barnyard Grass Witchgrass Fall panicum Proso millet Volunteer Corn Volunteer canary grass	2-6	0.125 L/ha	0.5 % v/v
Wild Oats Volunteer cereals (wheat, barley, oats) Foxtail (green, yellow) Persian darnel Crabgrass (smooth and large) Proso millet Witchgrass Fall panicum Barnyard grass Volunteer corn Volunteer canary grass Quackgrass suppression	2-6	0.19 L/ha	0.5 % v/v
Quackgrass control**	2-6	0.38 L/ha	1.0 % v/v or Destinaire HSOC, Journey HSOC, Masterlock, or Strikelock at 0.5 %v/v
Annual bluegrass (suppression)	2 to 6	0.38 L/ha	0.5% v/v

*ANTLER CLETHODIM applied at 0.125 L/ha for the control of weeds listed in this section of the table should only be applied under the following conditions:

- Good crop stand
- Early application (as in above table, prior to tillering)
- Do not apply to volunteer winter cereals
- Light to moderate weed infestation
- Adequate moisture and fertility
- Absence of stress, good growing conditions

If any one of the above conditions is not present at the time of application, use 0.19 L/ha rate of ANTLER CLETHODIM.

** For adequate control, use a minimum spray volume of 100L / ha.

CROP RECOMMENDATIONS:

Crops	**Maximum Application Rate of ANTLER CLETHODIM**	**Application Method[7]**	**Pre-Harvest Interval**
Seedling Alfalfa	0.38 L/ha	Ground application only	30 days
Desi and Kabuli Chickpeas	0.19 L/ha	Ground	60 days

		application only	
Dry Beans (Pinto, Black, Great Northern, Red, Pink and Navy)	0.19 L/ha	Ground application only	60 days
Pigeon Pea, dried[1,2]	0.19 L/ha	Ground and aerial application	75 days
Edamame and Edible-podded legume vegetables (Crop subgroup 6A): Bean (*Phaseolus* spp.) (includes runner bean, snap bean, wax bean), Bean (*Vigna* spp.) (includes asparagus bean, Chinese longbean, moth bean, yardlong bean), Jackbean (*Canavalia ensiformis*), Pea (*Pisum* spp.) (includes dwarf pea, edible-pod pea, snow pea, sugar snap pea), Sword bean (*Canavalia gladiata*). **Succulent shelled peas and beans (Crop subgroup 6B):** Bean (*Phaseolus* spp.) (includes lima bean, green bean), Bean (*Vigna* spp.) (includes blackeyed pea, cowpea, southern pea), Broad bean (fava bean) (*Vicia faba*), Pea (*Pisum* spp.) (includes English pea, garden pea, green pea), Pigeon pea (*Cajanus cajan)*[1,2,5]	0.19 L/ha	Ground application only	21 days
Dried Shelled Pea and Bean (Crop subgroup 6C) (except soybean, field pea, lentils, pigeon pea) including: Bean (*Lupinus* spp.) (includes grain lupin, sweet lupin, white lupin and white sweet lupin); bean (*Phaseolus* spp.) (includes field bean, kidney bean, lima bean (dry), navy bean,			

pinto bean, tepary bean); bean (*vigna* spp.) (includes adzuki bean, blackeyed pea, catjang, cowpea, crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean); broad bean (fava bean) (*Vicia faba*); chickpea (garbanzo bean) (*Cicer arietinum*); guar (*Cyamopsis tetragonoloba*); lablab bean (hyacinth bean) (*Lablab purpureus*); [1,2]	0.19 L/ha	Ground and aerial application	60 days
Caraway, Coriander (cilantro)[1,5]	0.38 L/ha	Ground application only	60 days for seed 30 days for leaves
Angelica; balm (lemon balm); **basil**; borage; burnet; chamomile; catnip; chervil; clary; costmary; culantro (leaf); horehound; hyssop; lavender; lovage; marigold; marjoram (includes sweet or annual marjoram, wild marjoram or oregano and pot marjoram); nasturtium; parsley (dried); pennyroyal; rosemary; rue; sage; summer and winter savory; sweet bay (bay leaf); tansy; tarragon; thyme; wintergreen; woodruff; and wormwood [1,2,4,5]	0.19 L/ha	Ground application only	30 days
Anise (anise seed); caraway (black); celery seed; culantro (seed); cumin; fennel [common and Florence (seed)]; juniper berry; lovage (seed); mustard (seed); poppy (seed); and Saffron.[1,2,4,5]	0.19 L/ha	Ground application only	60 days
Cherry (sweet and tart)[1, 5, 8] (established trees)	0.38 L/ha	Ground application only	14 days
Buckwheat[1,5,7]	0.19 L/ha	Ground and aerial application	60 days

Highbush Blueberry[1,4,5]	0.38 L/ha	Ground application only	14 days
Canola	0.38 L/ha	Ground and aerial application	60 days
Carrot, Celeriac, Red garden (table) beet, Parsnip Radish, Rutabaga[3,5]	0.38 L/ha	Ground application only	30 days
Cranberry[1,2,5]	0.38 L/ha	Ground application only	30 days
Chive, Celery, Chinese Cabbage (napa)[1,5]	0.38 L/ha	Ground application only	30 days
Dill[1,5]	0.38 L/ha	Ground application only	30 days (dillweed leaves) 40 days (dill seed)
Flax (including low linolenic acid varieties)	0.38 L/ha	Ground and aerial application	60 days
Fenugreek[1,5]	0.38 L/ha	Ground application only	30 days (leaf and seed)
Field Peas	0.38 L/ha	Ground and aerial application	75 days
Hops[1,4,5]	0.38 L/ha	Ground application only	21 days
Lentils	0.38 L/ha	Ground and aerial application	60 days
Oriental (Brown) Mustard (condiment and oilseed types)	0.38 L/ha	Ground and aerial application	60 days
Yellow Mustard	0.38 L/ha	Ground and aerial application	60 days
Brassica carinata	0.38 L/ha	Ground and aerial application	60 days
Dry Bulb Onions, Dry Bulb Shallot and Garlic[1,5]	0.38 L/ha	Ground application only	45 days
Potatoes	0.38 L/ha	Ground and aerial application	60 days
Green Onion[1,5]	0.38 L/ha	Ground application only	14 days
Leek**[1,5]**	0.38 L/ha	Ground application only	14 days
Prairie Carnation[1,5,6]	0.19 L/ha	Ground application only	N/A
Safflower[1,5]	0.38 L/ha	Ground application only	70 days
Soybeans	0.38 L/ha	Ground and aerial application	75 days
Spinach[3,5]	0.19 L/ha	Ground application only	14 days
Sunflowers	0.38 L/ha	Ground and aerial application	72 days

1. Apply a maximum of one application per year.
2. NOTE: Varieties of this crop or crops in this crop group may vary in their tolerance to herbicides, including **ANTLER CLETHODIM**. Since not all crops or crop varieties have been tested for tolerance to **ANTLER CLETHODIM**, first use of **ANTLER CLETHODIM** should be limited to a small area of each crop or variety to confirm tolerance prior to adoption as a general field practice. Additionally, consult your supplier for information on the tolerance of specific varieties to **ANTLER CLETHODIM**.
3. Apply a maximum of two applications per year. If repeat application is required, allow at least 14 days between first and second application.
4. Apply **ANTLER CLETHODIM** as a broadcast spray directed to the ground.
5. Refer to section "MINOR USES" in this label for additional use instructions.
6. Do not harvest treated prairie carnations for human consumption.
7. SPRAY VOLUME FOR AERIAL APPLICATION: Apply in 28 to 55 L/ha. Increase spray volumes up to 100L/ha as grass or crop foliage becomes dense.
8. Do not apply **ANTLER CLETHODIM** directly over the top of the sweet and tart cherry trees. Direct the spray at the base of the tree where grassy weeds are growing. If **ANTLER CLETHODIM** is improperly applied, crop injury can occur.

TANK MIXES

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

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact WinField United Canada, ULC at 1-888-975-4769 for information before applying any tank mix that is not specifically recommended on this label.

ANTLER CLETHODIM AND BADGE or BROX™ M or DOUBLE TROUBLE:

Flax (including low linolenic acid varieties): ANTLER CLETHODIM may be tank mixed with **BADGE** or BROX™ M or DOUBLE TROUBLE for control of certain broadleaf and grassy weeds in flax (including low linolenic acid varieties) in one spray operation. Apply in 55 - 110 litres of water per hectare at a spray pressure of 275 kPa. DO NOT spray this tank mix on plants under stress. DO NOT spray during periods of hot, humid weather.

Time of Application: Flax (including low linolenic acid varieties), may be treated from 5 cm high to the early bud stage. For best results, apply when flax (including low linolenic acid varieties) is 5 cm to 10 cm high and weeds are in the seedling stage. If broadleaf weeds and grassy weeds are not in the recommended treatment stage at the same time, then separate applications should be made.

Application Rate: ANTLER CLETHODIM at 0.19 - 0.38 L/ha tank mixed with BADGE or BROX™ M or DOUBLE TROUBLE at 1.25 L/ha and the recommended adjuvant at 0.5% - 1.0% v/v.

Weeds Controlled: As listed for ANTLER CLETHODIM used alone, plus certain seedling broadleaf weeds. Refer to the BADGE or BROX™ M or DOUBLE TROUBLE label for the broadleaf weeds controlled.

MIXING INSTRUCTIONS:

1. Thoroughly clean the sprayer by flushing the system with water containing detergent.
2. Fill clean spray tank half full with clean water. Start agitation system.
3. If tank mixing ANTLER CLETHODIM and BADGE or BROX™ M or DOUBLE TROUBLE for once-over grass and broadleaf weed control in flax (including low linolenic acid varieties) add the correct amount of BADGE or BROX™ M or DOUBLE TROUBLE. Continue to agitate.
4. Add the correct amount of ANTLER CLETHODIM. Continue to agitate.
5. Add the correct amount of adjuvant along with the remaining amount of water necessary to fill the spray tank.
6. Continue to agitate or run the by-pass system.
7. After any break in the spraying operation, agitate thoroughly before spraying again. Check inside the tank to ensure that sprayer agitation is sufficient to re-mix the spray materials. Do not allow the mixture to sit overnight.
8. Immediately after use, thoroughly clean the sprayer by flushing the system with clean water containing detergent.

For disposal of cleaning solution see section on DISPOSAL.

ANTLER CLETHODIM AND MCPA ESTER:

Flax: ANTLER CLETHODIM may be tank mixed with MCPA ESTER for control of certain broadleaf and grassy weeds in flax in one spray operation. Apply in a minimum of 100 L/ha spray volume at a pressure of 275 kPa.

NOTE: THIS TANK MIX MAY NOT BE APPLIED TO LOW LINOLENIC ACID VARIETIES OF FLAX.

Time of Application: Flax may be treated from 5 cm tall to just before the bud stage. Do not apply after the early bud stage. Apply when the grassy weeds are in the 2 to 6 leaf stage and broadleaf weeds are in the seedling stage and actively growing. If broadleaf weeds and grassy weeds are not in the recommended treatment stage at the same time, then separate applications should be made.

Application Rate: ANTLER CLETHODIM at 0.19 - 0.38 L/ha tank mixed with MCPA ESTER and the recommended adjuvant at 0.5% - 1.0% v/v.

Weeds Controlled: As listed for ANTLER CLETHODIM used alone, plus certain seedling broadleaf weeds. Refer to the MCPA ESTER label for the rates and broadleaf weeds controlled and specific information on flax.

MIXING INSTRUCTIONS:

1. Thoroughly clean the sprayer by flushing the system with water containing detergent.
2. Fill clean spray tank half full with clean water. Start agitation system.
3. Add the correct amount of MCPA ESTER. Continue to agitate.
4. Add the correct amount of ANTLER CLETHODIM. Continue to agitate.
5. Add the correct amount of adjuvant along with the remaining amount of water necessary to fill the spray tank.
6. Continue to agitate or run the by-pass system.
7. After any break in the spraying operation, agitate thoroughly before spraying again. Check inside the tank to ensure that sprayer agitation is sufficient to re-mix the spray materials. Do

not allow the mixture to sit overnight.

8. Immediately after use, thoroughly clean the sprayer by flushing the system with clean water containing detergent.

ANTLER CLETHODIM AND LONTREL® 360 or SPUR 360:

Flax: ANTLER CLETHODIM may be tank mixed with LONTREL 360 or SPUR 360 for control of certain broadleaf and grass weeds in flax in one spray operation. Apply in a minimum of 100 L/ha spray volume at a pressure of 275 kPa.

NOTE: THIS TANK MIX MAY NOT BE APPLIED TO LOW LINOLENIC ACID VARIETIES OF FLAX.

Time of Application: Flax may be treated from 5 cm to 10 cm in height. Apply when the grassy weeds are in the 2 to 6 leaf stage and the broadleaf weeds are actively growing.
Application to Canada thistle should be made when Canada thistle is in the rosette to pre-bud stage of growth. If broadleaf weeds and grass weeds are not in recommended treatment stage at the same time, then separate applications should be made.

Application Rate: ANTLER CLETHODIM at 0.19 L/ha tank mixed with LONTREL 360 or SPUR 360 at 0.56 to 0.83 L/ha and with the recommended adjuvant at 0.5% v/v.

Weeds Controlled: Wild oats, green foxtail, volunteer barley, volunteer wheat, volunteer oats, wild buckwheat.

Canada thistle	0.56 L LONTREL 360 or SPUR 360/ha	Season-long control
	0.83 L LONTREL 360 or SPUR 360/ha	Control extended into following year

MIXING INSTRUCTIONS: For mixing instructions, refer to ANTLER CLETHODIM AND LONTREL 360 or SPUR 360 tank mix on canola.

Canola: ANTLER CLETHODIM may be tank mixed with LONTREL 360 or SPUR 360 for control of certain broadleaf and grass weeds in canola in one spray operation. Apply in a minimum of 100 L/ha spray volume at a pressure of 275 kPa.

Time of Application: Canola may be treated from the 2 to 6 leaf stage. Apply when the grassy weeds are in the 2 to 6 leaf stage and the broadleaf weeds are actively growing. Application to Canada thistle should be made when Canada thistle is in the rosette to pre-bud stage of growth. If broadleaf weeds and grass weeds are not in recommended treatment stage at the same time, then separate applications should be made.

Application Rate: ANTLER CLETHODIM at 0.19 L/ha tank mixed with LONTREL 360 or SPUR 360 at 0.42 to 0.83 L/ha and with the recommended adjuvant at 0.5% v/v.

Weeds Controlled: Wild oats, green foxtail, volunteer barley, volunteer wheat, volunteer oats.

Wild Buckwheat	0.56 L LONTREL 360 or SPUR 360/ha	Season-long control
Canada thistle	0.42 L LONTREL 360 or SPUR 360/ha	Top growth control to 6 - 8 weeks
	0.56 L LONTREL 360 or SPUR 360/ha	Season-long control
	0.83 L LONTREL 360 or SPUR 360/ha	Control into following year

MIXING INSTRUCTIONS:

1. Thoroughly clean the sprayer by flushing the system with water containing detergent.
2. Fill clean spray tank half full with clean water. Start agitation system.
3. Add the required amount of LONTREL 360 or SPUR 360 to the tank. Continue to agitate.
4. Add the correct amount of ANTLER CLETHODIM. Continue to agitate.
5. Add the correct amount of adjuvant Surf-Act along with the remaining amount of water necessary to fill the spray tank.
6. Continue to agitate or run the by-pass system.
7. After any break in the spraying operation, agitate thoroughly before spraying again. Check inside the tank to ensure that sprayer agitation is sufficient to re-mix the spray materials. Do not allow the mixture to sit overnight. In the case of tank mixtures with broadleaf herbicides, settling will occur if agitation is not continuous.
8. If an oil film starts to build up in the tank, drain it and clean tank with strong detergent solution.
9. Immediately after use, thoroughly clean the sprayer by flushing the system with clean water containing detergent.

ANTLER CLETHODIM AND PURSUIT 240®:

Field Peas: ANTLER CLETHODIM may be tank mixed with PURSUIT 240 for control of certain broadleaf and grassy weeds in field peas in one spray operation. Apply in a minimum of 100 litres of water per hectare at a spray pressure of 275 kPa.

Time of Application: Field peas may be treated up to the sixth (6th) trifoliate leaf stage. Apply when volunteer wheat, volunteer barley, wild oats and green foxtail are in the 2 to 6 leaf stage. Apply up to the 4 leaf stage for control of broadleaf weeds. If broadleaf weeds and grassy weeds are not in the recommended treatment stage at the same time, then separate applications should be made.

Application Rate: ANTLER CLETHODIM at 0.19 L/ha tank mixed with PURSUIT 240 at 210 mL/ha and the recommended adjuvant at 0.5% v/v.

Weeds Controlled: Wild oats, green foxtail, volunteer barley, volunteer wheat plus the weeds as listed on the PURSUIT 240 label.

MIXING INSTRUCTIONS:

1. Thoroughly clean the sprayer by flushing the system with water containing detergent.
2. Fill clean spray tank half full with clean water. Start agitation system.
3. If tank mixing ANTLER CLETHODIM and PURSUIT 240 for once over grass and broadleaf weed control in field peas, add the correct amount of PURSUIT 240. Continue to agitate.
4. Add the required amount of ANTLER CLETHODIM to the tank. Continue to agitate.
5. Add the correct amount of adjuvant along with the remaining amount of water necessary to fill the spray tank.
6. Continue to agitate or run the by-pass system.
7. After any break in the spraying operation, agitate thoroughly before spraying again. Check inside the tank to ensure that sprayer agitation is sufficient to re-mix the spray materials. Do

not allow the mixture to sit overnight.
8. Immediately after use, thoroughly clean the sprayer by flushing the system with clean water containing detergent.

ANTLER CLETHODIM AND MUSTER HERBICIDE or MUSTER TOSS-N-GO HERBICIDE®:

Canola: ANTLER CLETHODIM may be tank mixed with MUSTER HERBICIDE or MUSTER TOSS-N-GO HERBICIDE for control of certain broadleaf and grassy weeds in canola in one spray operation. Apply in a minimum of 100 litres of water per hectare at a spray pressure of 275 kPa.

Time of Application: Canola may be treated from the 2 leaf stage to the beginning of bolting. Apply when the grassy weeds are in the 2 to 6 leaf stage and when the broadleaf weeds are in the cotyledon to 6 leaf stage. If broadleaf weeds and grassy weeds are not in the recommended treatment stage at the same time, then separate applications should be made.

Application Rate: ANTLER CLETHODIM at 0.19 L/ha tank mixed with MUSTER HERBICIDE or MUSTER TOSS-N-GO HERBICIDE at 20 or 30 g/ha and the recommended adjuvant at 0.5% v/v.

Weeds Controlled: MUSTER HERBICIDE or MUSTER TOSS-N-GO HERBICIDE at 20 or 30 g/ha: Wild oats, green foxtail, volunteer barley, volunteer oats, volunteer wheat, hempnettle, wild mustard, green smartweed, flixweed (spring seedlings), stinkweed*, and redroot pigweed.

* *Stinkweed suppression at the lower rate. Apply to stinkweed in the 1 to 4 leaf stage.*

MIXING INSTRUCTIONS:
1. Thoroughly clean the sprayer by flushing the system with water containing detergent.
2. Fill clean spray tank half full with clean water. Start agitation system.
3. Add the required amount of MUSTER HERBICIDE or MUSTER TOSS-N-GO HERBICIDE to the tank. Continue to agitate.
4. Once MUSTER HERBICIDE or MUSTER TOSS-N-GO HERBICIDE is in suspension, add the required amount of ANTLER CLETHODIM. Continue to agitate.
5. Add the correct amount of associated adjuvant along with the remaining amount of water necessary to fill the spray tank.
6. Continue to agitate or run the by-pass system.
7. On repeat tankloads, prepare a MUSTER HERBICIDE or MUSTER TOSS-N-GO HERBICIDE /water slurry and add to required water volume in the spray tank prior to adding ANTLER CLETHODIM and the adjuvant.
8. After any break in the spraying operation, agitate thoroughly before spraying again. Check inside the tank to ensure that sprayer agitation is sufficient to re-mix the spray materials. Do not allow the mixture to sit overnight.
9. Immediately after use, refer to MUSTER HERBICIDE or MUSTER TOSS-N-GO HERBICIDE label for appropriate tank cleanout instructions.

ANTLER CLETHODIM AND LIBERTY 150 SN HERBICIDE & CROP DESICCANT MP or LIBERTY 150 SN HERBICIDE®:

Canola: For use on Glufosinate Ammonium tolerant canola varieties only (e.g. varieties or hybrids labelled LIBERTY LINK). ANTLER CLETHODIM may be tank mixed with LIBERTY 150 SN HERBICIDE & CROP DESICCANT MP or LIBERTY 150 SN HERBICIDE for

control of certain broadleaf and grass weeds in Glufosinate Ammonium tolerant canola varieties in one spray operation. Apply in a minimum of 110 L/ha spray volume at a pressure of 275 kPa.

Time of Application: Glufosinate Ammonium tolerant canola varieties may be treated from the cotyledon stage up to the early bolting stage. Apply when the wild oats, volunteer wheat, volunteer oats and green foxtail are in the 1 to 5 leaf stage. Refer to LIBERTY 150 SN HERBICIDE & CROP DESICCANT MP or LIBERTY 150 SN HERBICIDE label for application timing on all remaining grass and broadleaf weeds for 2.7 or 3.3 L/ha.

Application Rate: ANTLER CLETHODIM at 0.06 L/ha tank mixed with LIBERTY 150 SN HERBICIDE & CROP DESICCANT MP or LIBERTY 150 SN HERBICIDE at 2.7 to 3.3 L/ha and with the recommended adjuvant at 0.5% v/v.

Weeds Controlled: Wild oats, green foxtail, volunteer barley, volunteer wheat, volunteer oats plus all remaining grass weeds and broadleaf weeds listed on the LIBERTY 150 SN HERBICIDE & CROP DESICCANT MP or LIBERTY 150 SN HERBICIDE label at the application rates of 2.7 and 3.3 L/ha.

MIXING INSTRUCTIONS:

1. Thoroughly clean the sprayer by flushing the system with water containing detergent.
2. Fill clean spray tank half full with clean water. Start agitation system. Add the required amount of the adjuvant to the tank. Continue to agitate until thoroughly mixed.
3. STOP agitation. Add the correct amount of LIBERTY 150 SN HERBICIDE & CROP DESICCANT MP or LIBERTY 150 SN HERBICIDE to the spray tank. Start agitation system.
4. Add the correct amount of ANTLER CLETHODIM along with the remaining amount of water necessary to fill the spray tank.
5. Continue to agitate or run the by-pass system and spray out immediately.
6. After any break in the spraying operation, agitate thoroughly before spraying again. Check inside the tank to ensure that sprayer agitation is sufficient to re-mix the spray materials. Do not allow the mixture to sit overnight. In the case of tank mixtures with broadleaf herbicides, settling will occur if agitation is not continuous.
7. If an oil film starts to build up in the tank, drain it and clean tank with strong detergent solution.
8. Immediately after use, thoroughly clean the sprayer by flushing the system with clean water containing detergent.

ANTLER CLETHODIM AND CURTAIL® M HERBICIDE OR SPUR-M

Flax (including low linolenic acid varieties): ANTLER CLETHODIM may be tank mixed with CURTAIL M HERBICIDE or SPUR-M for control of certain broadleaf and grass weeds in flax in one spray operation. Apply in a minimum of 100 L/ha spray volume at a pressure of 275 kPa.

Time of Application: Flax may be treated from 5 to 15 cm in height. Apply when the grassy weeds are in the 2-6 leaf stage and the broadleaf weeds are actively growing. Application to Canada thistle should be made when Canada thistle is between 10 cm and up to the pre-bud stage. If broadleaf weeds and grass weeds are not in recommended treatment stage at the same time, then separate applications should be made.

Application Rate: ANTLER CLETHODIM at 0.19 L/ha tank mixed with CURTAIL M HERBICIDE or SPUR-M at 1.5 to 2.0 L/ha and with the recommended surfactant at 0.5% v/v.

Weeds Controlled: Weed claims listed on the ANTLER CLETHODIM Herbicide label plus weed claims listed on CURTAIL M HERBICIDE or SPUR-M label. Refer to the CURTAIL M HERBICIDE

or SPUR-M label for the broadleaf weeds controlled.

Grazing Interval: Do not cut treated crops for feed or graze until 60 days after application.

MIXING INSTRUCTIONS:

1. Thoroughly clean the sprayer by flushing the system with water containing detergent.
2. Fill clean spray tank half full with clean water. Start agitation system.
3. Add the required amount of CURTAIL M HERBICIDE or SPUR-M to the tank. Continue to agitate.
4. Add the correct amount of ANTLER CLETHODIM. Continue to agitate.
5. Add the correct amount of adjuvant along with the remaining amount of water necessary to fill the spray tank.
6. Continue to agitate or run the by-pass system.
7. After any break in the spraying operation, agitate thoroughly before spraying again. Check inside the tank to ensure that sprayer agitation is sufficient to re-mix the spray materials. Do not allow the mixture to sit overnight. In the case of tank mixtures with broadleaf herbicides, settling will occur if agitation is not continuous.
8. If an oil film starts to build up in the tank, drain it and clean tank with strong detergent solution.
9. Immediately after use, thoroughly clean the sprayer by flushing the system with clean water containing detergent.

FOR USE ON DRY BEANS (PINTO, BLACK, GREAT NORTHERN, RED, PINK AND NAVY):
For control of weeds listed on the ANTLER CLETHODIM label.

Time of application: Apply a maximum of one application per year, post-emergent by ground application. Apply ANTLER CLETHODIM at 0.125 to 0.19 L/ha with the recommended adjuvant at 0.5% v/v when grassy weeds are in the 2 to 6 leaf stage.

MINOR USES:
NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS (LISTED BELOW):
The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than WinField United Canada, ULC under the User Requested Minor Use Label Expansion program. For these uses, WinField United Canada, ULC has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in 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.

CROP	**Weeds Controlled**	**Application Rate of:**		**Remarks**
		ANTLER CLETHODIM	**Adjuvant Surf-Act, Destinaire HSOC, Journey™ HSOC, Destination MSO, MSO Concentrate with Leci-Tech, MSO Spray Adjuvant, Masterlock or Strikelock**	
PRAIRIE CARNATION	Annual weeds listed on **ANTLER CLETHODIM** label. Refer to weed/rate chart in	0.19 L/ha	0.5 % v/v	**TIME OF APPLICATION:** Apply **ANTLER CLETHODIM** post-emergence of weeds and crop.

	this label.			Apply a maximum of one application per year using ground equipment. Apply in a minimum spray volume of 110 L/ha. Do not harvest treated prairie carnations for human consumption. **Ground application only.**
Edamame, Edible-podded legume vegetables (Crop subgroup 6A): Bean (*Phaseolus* spp.) (includes runner bean, snap bean, wax bean), Bean (*Vigna* spp.) (includes asparagus bean, Chinese longbean, moth bean, yardlong bean), Jackbean (*Canavalia ensiformis*), Pea (*Pisum* spp.) (includes dwarf pea, edible-pod pea, snow pea, sugar snap pea), Pigeon pea (*Cajanus cajan*), Soybean (immature seed) (*Glycine max*), Sword bean (*Canavalia gladiata*). **Succulent shelled peas and beans (Crop subgroup 6B):** Bean (*Phaseolus* spp.) (includes lima bean, green bean), Bean (*Vigna* spp.) (includes blackeyed pea, cowpea, southern pea), Broad bean (fava bean) (*Vicia faba*), Pea (*Pisum* spp.) (includes English pea, garden pea, green pea), Pigeon pea (*Cajanus cajan*).	Labelled grassy weeds. Refer to weed/rate chart in this label.	0.19 L/ha	0.5 % v/v	**TIME OF APPLICATION:** Apply **ANTLER CLETHODIM** postemergence of weeds and crop. Apply a maximum of one application per year using ground equipment. Apply in a minimum spray volume of 110 L/ha. Observe a PHI of 21 days. **Ground application only.**
BUCKWHEAT	Labelled grassy weeds. Refer to weed/rate chart in this label.	0.19 L/ha	0.5% v/v	**TIME OF APPLICATION:** Apply **ANTLER CLETHODIM** postemergence of weeds and crop. Apply a maximum of one

				application per year using ground or aerial equipment. Apply in a minimum spray volume of 100 L/ha for ground application. Apply in a minimum spray volume of 28-55 for aerial application. Increase to 100 L/ha if grass or crop foliage becomes dense. Observe a PHI of 60 days.
CHERRY (SWEET AND TART) (established trees)	Labelled grassy weeds. Refer to weed/rate chart in this label.	0.19 – 0.38 L/ha	0.5-1.0 % v/v Refer to **ANTLER CLETHODIM** + adjuvant weed/rate chart in this label.	**TIME OF APPLICATION**: Apply **ANTLER CLETHODIM** to established sweet and tart cherry trees, post-emergence of weeds. Do not apply **ANTLER CLETHODIM** directly over the top of the trees. Direct the spray at the base of the tree where grassy weeds are growing. If **ANTLER CLETHODIM** is improperly applied, crop injury can occur. Apply a maximum of one application per year using ground equipment. Apply in a minimum spray volume of 100 litres of water per hectare. Observe a PHI of 14 days. **Ground application only.**

HIGHBUSH BLUEBERRY	**ANTLER CLETHODIM** labelled grassy weeds. Refer to weed/rate chart in this label.	0.19 - 0.38 L/ha	0.5-1.0% v/v Refer to **ANTLER CLETHODIM** + adjuvant weed/rate chart in this label.	**TIME OF APPLICATION:** Apply **ANTLER CLETHODIM** post-emergence of weeds and crop. Apply a maximum of one application per year, post-emergent by ground equipment. Apply as a broadcast spray directed to the ground. Apply in a minimum spray volume of 100 L/ha. Observe a PHI of 14 days. **Ground application only.**
CORIANDER, (Cilantro), CARAWAY	Labelled grassy weeds. Refer to weed/rate chart in this label	0.19 - 0.38 L/ha	0.5-1.0% v/v Refer to **ANTLER CLETHODIM** + adjuvant weed/rate chart in this label.	**TIME OF APPLICATION:** Apply **ANTLER CLETHODIM** post-emergent when coriander is in the 2 to 5 leaf stage. Apply a maximum of one application per year, using ground equipment. Observe a PHI of 30 days for leaves and 60 days for seed. **Ground application only.**

DILL	Labelled grassy weeds. Refer to weed/rate chart on this label.	0.19 - 0.38 L/ha	0.5-1.0% v/v Refer to **ANTLER CLETHODIM** + adjuvant weed/rate chart in this label.	**TIME OF APPLICATION:** Apply **ANTLER CLETHODIM** post-emergence of weeds and crop when dill is in the 3-5 leaf stage. Apply a maximum of one application per year using ground equipment. Apply a minimum spray volume of 100 L/ha. Observe a PHI of 30 days for dillweed leaves and a PHI of 40 days for dill seed. **Ground application only.**
CHIVE	Labelled grassy weeds. Refer to weed/rate chart in this label	0.19 – 0.38 L/ha	0.5-1.0% v/v Refer to **ANTLER CLETHODIM** + adjuvant weed/rate chart in this label.	**TIME OF APPLICATION**: Apply a maximum of one application per year, post-emergent using ground equipment. Apply in a minimum spray volume of 110 L/ha. Observe a PHI of 30 days. **Ground application only.**
Angelica; balm (lemon balm); basil; borage; burnet; chamomile; catnip; chervil; clary; costmary; culantro (leaf); horehound; hyssop; lavender; lovage; marigold; marjoram (includes sweet or annual marjoram, wild marjoram or oregano and pot marjoram); nasturtium; parsley (dried); pennyroyal; rosemary; rue; sage; savory, summer and winter; sweet bay (bay leaf); tansy; tarragon; thyme; wintergreen; woodruff; and	Labelled grassy weeds. Refer to weed/rate chart in this label.	0.19 L/ha	0.5 % v/v	**TIME OF APPLICATION**: Apply **ANTLER CLETHODIM** post-emergence of weeds and crop. Apply a maximum of one application per year using ground equipment. Apply as a broadcast spray directed to the ground. Apply in a minimum spray volume of 110 L/ha. Observe a PHI of 30 days. **Ground application only.**

wormwood				
Anise (anise seed), caraway (black); celery seed; culantro (seed); cumin; fennel [common and Florence (seed)]; juniper berry; lovage (seed); mustard (seed); poppy (seed); and saffron	Labelled grassy weeds. Refer to weed/rate chart in this label.	0.19 L/ha	0.5 % v/v	**TIME OF APPLICATION**: Apply **ANTLER CLETHODIM** post-emergence of weeds and crop. Apply a maximum of one application per year using ground equipment. Apply as a broadcast spray directed to the ground. Apply in a minimum spray volume of 110 L/ha. Observe a PHI of 60 days. **Ground application only.**
HOPS	Labelled grassy weeds. Refer to weed/rate chart in this label.	0.19 - 0.38 L/ha	0.5-1.0% v/v Refer to **ANTLER CLETHODIM** + adjuvant weed/rate chart in this label.	**TIME OF APPLICATION**: Apply **ANTLER CLETHODIM** post-emergence of weeds and crop. Apply a maximum of one application per season, using ground equipment. Apply as a broadcast spray directed to the ground. Apply in a minimum spray volume of 110 litres of water per hectare. Observe a PHI of 21 days. **Ground application only.**

FENUGREEK	Annual weeds listed on **ANTLER CLETHODIM** label	0.19 - 0.38 L/ha	0.5-1.0% v/v Refer to **ANTLER CLETHODIM** + adjuvant weed/rate chart in this label.	**TIME OF APPLICATION:** Apply **ANTLER CLETHODIM** post-emergent when fenugreek is in the 3 to 5 leaf stage. Apply a maximum of one application per season, using ground equipment. Apply in a minimum spray volume of 100L/ha. Observe a PHI of 30 days for leaves and seed. **Ground application only.**
DRY BULB ONIONS, DRY BULB SHALLOT and GARLIC	Labelled grassy weeds. Refer to weed/rate chart in this label.	0.19-0.38 L/ha	0.5 % v/v	**TIME OF APPLICATION:** Apply **ANTLER CLETHODIM** post-emergent when the crop is in the 1 to 4 leaf stage. Apply a maximum of one application per season, using ground equipment. Observe a PHI of 45 days. **Ground application only.**
GREEN ONION	Labelled weeds. Refer to weed/rate chart in this label.	0.19-0.38 L/ha	0.5-1.0% v/v Refer to **ANTLER CLETHODIM** + adjuvant weed/rate chart in this label.	**TIME OF APPLICATION**: Apply **ANTLER CLETHODIM** post-emergent when the crop is in the 2 to 3 leaf stage. Apply a maximum of one application per season, using ground equipment. Apply in a minimum spray volume of 110 L/ha. Observe a PHI of 14 days. **Ground application only.**

LEEK	Labelled weeds. Refer to weed/rate chart in this label	0.19-0.38 L/ha	0.5-1.0% v/v Refer to **ANTLER CLETHODIM** + adjuvant weed/rate chart in this label.	**TIME OF APPLICATION**: Apply **ANTLER CLETHODIM** post-emergent at least 2 weeks after transplanting when crop is well established and has produced one new fully expanded leaf. Apply a maximum of one application per season, using ground equipment. Apply in a minimum spray volume of 110 L/ha. Observe a PHI of 14 days. **Ground application only.**
SAFFLOWER	Annual weeds listed on **ANTLER CLETHODIM** label	0.19 - 0.38 L/ha.	0.5-1.0% v/v Refer to **ANTLER CLETHODIM** + adjuvant weed/rate chart in this label.	**TIME OF APPLICATION:** Apply **ANTLER CLETHODIM** post-emergent when safflower is in the 6-8 leaf stage. Apply a maximum of one application per season using ground equipment. Apply in a minimum spray volume of 100 litres of water per hectare. Observe a PHI of 70 days. **Ground application only.**
SPINACH	Annual Weeds listed on **ANTLER CLETHODIM** label	0.19 L/ha	0.5% v/v	**TIME OF APPLICATION:** Apply a maximum of two applications per year with 14 days between applications, post emergent by ground application when grassy weeds are in the 2 to 6 leaf stage. Observe a PHI of 14 days. **Ground application only.**

CRANBERRY	Labelled grassy weeds. Refer to weed/rate chart in this label.	0.19 - 0.38 L/ha	0.5-1.0% v/v Refer to **ANTLER CLETHODIM** + adjuvant weed/rate chart in this label.	**TIME OF APPLICATION:** Apply **ANTLER CLETHODIM** post-emergence of weeds and crop. Do not apply between the hook stage and full fruit set. Apply a maximum of one application per year using ground equipment. Apply in a minimum spray volume of 110 L of water /ha. Observe a PHI of 30 days.
RED GARDEN (TABLE) BEET, PARSNIP, CARROT, RADISH, RUTABAGA, CELERIAC	Labelled grassy weeds. Refer to weed/rate chart in this label.	0.19 - 0.38 L/ha	0.5-1.0% v/v Refer to **ANTLER CLETHODIM** + adjuvant weed/rate chart in this label.	**TIME OF APPLICATION:** Apply **ANTLER CLETHODIM** post-emergence of weeds and crop using ground equipment. Apply a maximum of two applications per year. If repeat application is required, allow at least 14 days between first and second application. **Do not apply more than 0.38 L/ha (90 grams ai/ha) per crop season.** Apply in a minimum spray volume of 110 L/ha. Observe a PHI of 30 days. **Ground application only.**
CELERY, CHINESE CABBAGE (NAPA)	Labelled grassy weeds. Refer to weed/rate chart in this label.	0.19-0.38 L/ha	0.5-1.0% v/v Refer to **ANTLER CLETHODIM** + adjuvant weed/rate chart in this label.	**TIME OF APPLICATION:** Apply **ANTLER CLETHODIM** post-emergence of weeds and crop. Apply a maximum of one application per year using ground equipment. Apply in a minimum spray volume of 110 L/ha. Observe a PHI of 30 days. **Ground application**

				only.

APPLICATION INSTRUCTIONS:

GROUND APPLICATION

Water volume and spray pressure:

For ground application, use sprayers equipped with standard flat fan nozzles. For optimum spray coverage, use nozzles tilted 45° forward.

The use of flood jet or hollow cone nozzles is not recommended because of uneven and inadequate spray coverage. Thorough and uniform spray coverage over the entire leaf area of the target weeds is necessary for optimum weed control.

Thoroughly clean all screens to prevent nozzle clogging, especially when spray volumes of 55 to 110 L/ha are used.

For ground applications, use spray volumes of 55 to 225 L/ha and a minimum of 275 kPa pressure. For applications to dense weed infestations or to dense crop canopies, use a minimum of 110 L/ha spray volume at pressures of 275 to 425 kPa. In any situation, ensure the proper rate of adjuvant is maintained as listed on the label under APPLICATION RATES OF ANTLER CLETHODIM.

For legume vegetables (succulent or dried) (except soybeans) and edamame, a minimum spray volume of 110 L/ha is recommended.

AERIAL APPLICATION

Water volume and spray pressure:

Apply ANTLER CLETHODIM alone or in tank mixes (ONLY with the recommended tank mix partners that are registered for aerial use) in no less than 28 L/ha spray volume at a pressure no less than 300 kPa.

Apply only by aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label.

Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate specified for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.

Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices.

Aerial Use Precautions

- Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the National Aerial Pesticide Application Manual, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides.

Aerial Operator Precautions:

- Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted.
- It is desirable that the pilots have communication capabilities at each treatment site at the

time of application.

- The field crew and the mixer/loaders must wear goggles or face shield, rubber apron, chemical-resistant gloves, rubber boots, long sleeved shirt and long-legged pants.
- All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

Product Specific Precautions:
Read and understand the entire label before opening this product. If you have questions, call the registrant at 1-888-975-4769 or obtain technical advice from the distributor or your provincial or territorial agricultural representative.

Spray Buffer Zones:
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.

Aerial application: Conventionally piloted aircraft 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 when wind speed is greater than 16 km/h at flying height at the site of application. DO NOT apply with sprays finer than the American Society of Agricultural and Biological Engineers (ASABE) S572 (572.1 to 572.3) medium classification. Reduce drift caused by turbulent wingtip vortices. Nozzle distribution along the spray boom length MUST NOT exceed 65% of the wing- or rotorspan.

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), and sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

Method of application	**Crop**	**Spray Buffer Zones (metres) Required for the Protection of:**		
		Freshwater Habitat of Depths:		**Terrestrial Habitat**
		Less than 1 m	**Greater than 1 m**	
Field sprayer	Seedling alfalfa, highbush blueberry, cherry, cranberry, caraway, chive, coriander, dill, fenugreek, dry bulb onion, dry bulb shallot, safflower, canola, carrot, flax (including low linolenic varieties), field pea, hops, lentils, oriental (brown) mustard (condiment and oilseed types), yellow mustard, *Brassica carinata,* potato, parsnip, radish, red garden (table) beet,	1	1	2

	soybean, sunflower, celery, Chinese cabbage (napa), celeriac				
	Spinach, Edamame, Edible-podded Legume (crop subgroup 6A) vegetables, Succulent shelled peas and beans (crop subgroup 6B), bean (*lupines*, *phaseolus*, and *vigna* spp.), broad bean, chickpea, guar, lablab bean, Prairie carnation, pigeon pea, various herbs and spices (except chive, coriander, and dill), buckwheat		1	1	1
Aerial	Canola, flax (including low linolenic acid varieties), field peas, lentils, potatoes, Oriental (brown) mustard (condiment and oilseed types), yellow mustard, soybeans, sunflowers, *Brassica carinata,* dry bulb onions, garlic	Fixed wing	10	1	60
		Rotary wing	10	1	50
	Desi and Kabuli chickpeas, Bean (*lupines, phaseolus*, and *vigna* spp.), broad bean, chickpea, guar, lablab bean, pigeon pea, buckwheat	Fixed wing	4	1	30
		Rotary wing	1	1	30

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 this product for 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.

RESTRICTIONS AND LIMITATIONS:

1. Use only for crops listed on the label.
2. Thorough pre-plant tillage operations are required to fields where sod or forage grass crops may have grown in the previous year.
3. Take necessary precautions to avoid sprayer overlaps.
4. Rainfall within one hour of application may reduce the effectiveness of the spray.
5. Allow 4 days between application of ANTLER CLETHODIM and any other chemical not recommended as a tank mix combination on the label.
6. Do not apply more than 0.38 L/ha (90 grams a.i./ha) per season.
7. Do not use crops for grazing of livestock or green feed following application of ANTLER CLETHODIM until after the appropriate interval as specified in the crop recommendations table has been observed. Do not cut treated crops for forage until the appropriate interval as specified in the crop recommendations table has been observed.
8. ANTLER CLETHODIM may be applied by air for certain crops specified in this label.

RESISTANCE MANAGEMENT RECOMMENDATIONS:
For resistance management, ANTLER CLETHODIM is a Group 1 herbicide. Any weed population may contain or develop plants naturally resistant to ANTLER CLETHODIM and other Group 1 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 ANTLER CLETHODIM or other Group 1 herbicides within a growing season (sequence) or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group when such use is permitted. To delay resistance, the less resistance-prone partner should control the target weed(s) as effectively as the more resistance-prone partner.
- Herbicide use should be based on an integrated weed management program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical control methods), cultural (for example, higher crop seeding rates; precision fertilizer application method and timing to favour the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Monitor weed populations after herbicide application for signs of resistance development (for example, only one weed species on the herbicide label not controlled). If resistance is suspected, prevent weed seed production in the affected area if possible by an alternative herbicide from a different group. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- Have suspected resistant weed seeds tested by a qualified laboratory to confirm resistance and identify alternative herbicide options.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact WinField United Canada, ULC at 1-888-975-4769.

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.

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