CENTURION®

USE WITH AMIGO® ADJUVANT

EMULSIFIABLE CONCENTRATE
POST-EMERGENCE HERBICIDE

GROUP	1	HERBICIDE

CONTAINS CLETHODIM

POST-EMERGENCE HERBICIDE FOR CONTROL OF GRASSES IN CANOLA, FLAX (including low linolenic acid varieties), BUCKWHEAT, DRY BULB ONIONS, DRY BULB SHALLOTS AND GARLIC, GREEN ONION, LEEK, POTATOES, YELLOW MUSTARD, ORIENTAL (BROWN) MUSTARD (condiment and oilseed types), *BRASSICA CARINATA*, LEGUME VEGETABLES (SUCCULENT OR DRIED) AND EDAMAME, SEEDLING ALFALFA, SUNFLOWERS, , FENUGREEK, CORIANDER, SPINACH, PRAIRIE CARNATION, HIGHBUSH BLUEBERRY, SAFFLOWER, CRANBERRY, DILL, CARAWAY, BASIL, RED GARDEN (TABLE) BEET, PARSNIP, CARROT, RADISH, RUTABAGA, CELERIAC, CHERRY (sweet and tart), CERTAIN HERBS and SPICES, HOPS, CHINESE CABBAGE (NAPA) and CELERY

AGRICULTURAL

ACTIVE INGREDIENT: CLETHODIM ..... 240 g/L

REGISTRATION NO. 27598 PEST CONTROL PRODUCTS ACT

WARNING: EYE AND SKIN IRRITANT

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

KEEP OUT OF REACH OF CHILDREN

READ THE LABEL AND BOOKLET BEFORE USING

NET CONTENTS: (250 mL - 9 LITRES)

BASF Canada Inc.
5025 Creekbank Road
Building A, 2nd Floor
Mississauga, Ontario L4W 0B6
1-877-371-2273

CENTURION and AMIGO are registered trade-marks of a UPL Corporation Limited Group Company.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. CAUSES EYE AND SKIN IRRITATION. Avoid contact with skin, eyes and clothing. 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.
Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical resistant footwear during mixing, loading, application, clean-up and repair. In addition, wear protective eyewear (goggles or face shield) during mixing, loading, clean-up and repair. Gloves are not required during application within a closed cab and/or cockpit.

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. The pilot is allowed to load premixed chemicals with a closed system.

It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

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.

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

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 buffer zones specific under DIRECTIONS FOR USE.
Toxic to certain beneficial insects. Minimize spray drift to reduce harmful effects on beneficial insects 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 strip between the treated area and the edge of the water body.
This product contains aromatic petroleum distillates that are toxic to aquatic organisms.

The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (for example, sandy soil) and/or the depth to the water table is shallow.

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 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 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. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia. Danger from lung aspiration of petroleum based solvents must be weighed against toxicity when considering emptying stomach.

STORAGE AND DISPOSAL

STORAGE: To prevent contamination, store this product away from food or feed.

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

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

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

DISPOSAL OF UNUSED, UNWANTED PRODUCT: 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.

CENTURION®

USE WITH AMIGO® ADJUVANT

EMULSIFIABLE CONCENTRATE
POST-EMERGENCE HERBICIDE

GROUP	1	HERBICIDE

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ACTIVE INGREDIENT: CLETHODIM .....240 g/L REGISTRATION NO. 27598 PEST

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GENERAL INFORMATION

CENTURION is a selective post-emergence herbicide for control of a broad range of grasses in canola, flax (including low linolenic acid varieties), buckwheat, dry bulb onions, dry bulb shallots and garlic, green onion, leek, potatoes, yellow mustard, oriental (brown) mustard (condiment and oilseed types), *Brassica carinata*, , seedling alfalfa, sunflowers, legume vegetables (succulent or dried) and edamame, fenugreek, coriander, spinach, prairie carnation, highbush blueberry, safflower, cranberry, dill, caraway, basil, red garden(table) beet, parsnip, carrot, radish, rutabaga, celeriac, cherry (sweet and tart), certain herbs, spices, hops, Chinese cabbage (napa) and celery.

CENTURION 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

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Observe appropriate provincial buffer zones around bodies of water and wetland areas.
Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical resistant footwear during mixing, loading, application, clean-up and repair. In addition, wear protective eyewear (goggles or face shield) during mixing, loading, clean-up and repair. Gloves are not required during application within a closed cab and/or cockpit.

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It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

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.

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

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 buffer zones specific under DIRECTIONS FOR USE.
Toxic to certain beneficial insects. Minimize spray drift to reduce harmful effects on beneficial insects 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 strip between the treated area and the edge of the water body.
This product contains aromatic petroleum distillates that are toxic to aquatic organisms. The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (for example, sandy soil) and/or the depth to the water table is shallow.

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DISPOSAL OF UNUSED, UNWANTED PRODUCT: 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.

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.

Not for use in greenhouses.

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

TIME OF APPLICATION
Apply **CENTURION** when the annual grasses and volunteer cereals are in the 2 to 6 leaf stage as specified under Application Rates of **CENTURION**. 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 **CENTURION** 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.

CENTURION 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 chickpeas, apply **CENTURION** 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 fenugreek and dill, apply **CENTURION** post-emergence, when fenugreek and dill are in the 3 - 5 leaf stage. Apply a maximum of one application may be made per year.

For prairie carnation, apply **CENTURION** post-emergence, when prairie carnation is in the 2 - 5 leaf stage. A maximum of one application may be made per year.

For safflower, apply **CENTURION** post-emergence, when safflower is in the 6-8 leaf stage.

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

For dry bulb onions, dry bulb shallot and garlic, apply **CENTURION** post-emergence, when crops are in the 1-4 leaf stage.

Apply **CENTURION** 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.

All other labelled crops are tolerant to **CENTURION** 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 CENTURION

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 CENTURION®	Application Rate of AMIGO® Adjuvant
*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 Japanese brome Foxtail barley Quackgrass suppression	2-6	0.19 L/ha	0.5% v/v
Quackgrass control**	2-6	0.38 L/ha	1.0% v/v
Annual bluegrass suppression	2-6		0.5% v/v
Japanese brome**	2-6		1.0% v/v
Foxtail barley**	maximum-3 tillers		1.0% v/v

* **CENTURION** 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 tank-mix with other pesticides
- 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 are not present at the time of application, use 0.19 L/ha rate of **CENTURION**.

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

CROP RECOMMENDATIONS

Crops	Maximum Application Rate of CENTURION	Application Method [7]	Pre-Harvest Interval
Canola	0.38 L/ha	Ground and aerial application	60 days
Flax (including low linolenic acid varieties)	0.38 L/ha	Ground and aerial application	60 days
Field Peas	0.38 L/ha	Ground and aerial application	75 days
Lentils	0.38 L/ha	Ground and aerial application	60 days
Potatoes	0.38 L/ha	Ground and aerial application	60 days
Yellow Mustard	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
Brassica carinata	0.38 L/ha	Ground and aerial application	60 days
Soybeans	0.38 L/ha	Ground and aerial application	75 days
Seedling Alfalfa	0.38 L/ha	Ground application only	30 days
Sunflowers	0.38 L/ha	Ground and aerial application	72 days
Pigeon Pea [1,2]	0.19 L/ha	Ground and aerial application	75 days

Crops	Maximum Application Rate of CENTURION	Application Method [7]	Pre-Harvest Interval
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); 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*). [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
Dry Bulb Onions, Dry Bulb Shallot, Garlic [1,5]	0.38 L/ha	Ground application only	45 days
Green Onion [1, 5]	0.38 L/ha	Ground application only	14 days

Crops	Maximum Application Rate of CENTURION	Application Method [7]	Pre-Harvest Interval
Leek [1, 5]	0.38 L/ha	Ground application only	14 days
Dill [1,5]	0.38 L/ha	Ground application only	30 days (dillweed leaves) 40 days (dill seed)
Chive [1,5]	0.38 L/ha	Ground application only	30 days
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
Fenugreek [1,5]	0.38 L/ha	Ground application only	30 days (leaf and seed)
Caraway, Coriander (cilantro) [1,5]	0.38 L/ha	Ground application only	30 days (leaf) 60 days (seed)
Anise (anise seed); caraway (black); celery seed; cilantro (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
Buckwheat [1,5,7]	0.19 L/ha	Ground and aerial application	60 days
Celery, Chinese cabbage (napa) [1,5]	0.38 L/ha	Ground application only	30 days
Cherry (sweet and tart) [1,5,8] (established trees)	0.38 L/ha	Ground application only	14 days
Cranberry [1,2,5]	0.38 L/ha	Ground application only	30 days
Highbush Blueberry [1,4,5]	0.38 L/ha	Ground application only	14 days
Hops [1,4,5]	0.38 L/ha	Ground application only	21 days
Prairie Carnation [1,5,6]	0.19 L/ha	Ground application only	N/A

Crops	Maximum Application Rate of CENTURION	Application Method [7]	Pre-Harvest Interval
Red garden (table) beet, parsnip, carrot, radish, celeriac, rutabaga [3,5]	0.38 L/ha	Ground application only	30 days
Safflower [1,5]	0.38L/ha	Ground application only	70 days
Spinach [3, 5]	0.19L/ha	Ground application only	14 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 to **CENTURION**. Since not all crops or crop varieties have been tested for tolerance to **CENTURION**, first use of **CENTURION** 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 **CENTURION**.
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 **CENTURION** 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 100 L/ha as grass or crop foliage becomes dense.
8 Do not apply **CENTURION** 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 **CENTURION** is improperly applied, crop injury can occur.

TANK-MIXES

When applied as a tank-mix combination, read and observe all label directions, including rates, restrictions, and grazing limitations 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.

CENTURION AND BUCTRIL® M

Flax (including low linolenic acid varieties): CENTURION may be tank-mixed with BUCTRIL M 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. Follow all precautions, limitations and timing recommendations on the BUCTRIL M label.

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: CENTURION at 0.19 - 0.38 L/ha tank-mixed with BUCTRIL M at 1.0 L/ha and the adjuvant AMIGO at 0.5% - 1.0% v/v.

Weeds Controlled: As listed for **CENTURION** used alone, plus certain seedling broadleaf weeds. Refer to the BUCTRIL M 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 **CENTURION** and BUCTRIL M for once-over grass and broadleaf weed control in flax (including low linolenic acid varieties), add the correct amount of BUCTRIL M. Continue to agitate.
4. Add the correct amount of **CENTURION.** Continue to agitate.
5. Add the correct amount of adjuvant AMIGO 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.

CENTURION AND CURTAIL® M

Flax (including low linolenic acid varieties): CENTURION may be tank-mixed with CURTAIL 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.

Follow all precautions, limitations, restrictions and timing recommendations on the CURTAIL M label.

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: CENTURION at 0.19 L/ha tank-mixed with CURTAIL M at 1.5 to 2.0 L/ha and with the adjuvant AMIGO at 0.5% v/v.

Weeds Controlled: Weed claims listed on the **CENTURION** Herbicide label plus weed claims listed on Curtail M label. Refer to the CURTAIL 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 to the tank. Continue to agitate.
4. Add the correct amount of **CENTURION**. Continue to agitate.
5. Add the correct amount of adjuvant AMIGO 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.

CENTURION AND MCPA ESTER
Flax: CENTURION may be tank-mixed with MCPA ESTER for control of certain broadleaf and grassy weeds in flax in one spray operation. For ground applications, apply in a minimum of 100 L/ha spray volume at a pressure of 275 kPa. For aerial application apply this tank-mix in a minimum of 30 L/ha spray volume at a pressure of 235 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 2-6 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: CENTURION at 0.19 - 0.38 L/ha tank-mixed with MCPA ESTER and the adjuvant AMIGO at 0.5% - 1.0% v/v.

Weeds Controlled: As listed for **CENTURION** 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 **CENTURION**. Continue to agitate.
5. Add the correct amount of adjuvant AMIGO 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.

CENTURION AND LONTREL® 360

Flax (including low linolenic acid varieties): CENTURION may be tank-mixed with LONTREL 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.

Follow all precautions, limitations and timing recommendations on the LONTREL 360 label.

Time of Application: Flax may be treated from 5 cm to 10 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 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: CENTURION at 0.19 L/ha tank-mixed with LONTREL 360 at 0.56 to 0.83 L/ha and with the adjuvant AMIGO 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/ha	Season-long control
	0.83 L LONTREL 360/ha	Control extended into following year.

MIXING INSTRUCTIONS: For mixing instructions, refer to **CENTURION** and LONTREL 360 tank-mix on canola.

Canola: CENTURION may be tank-mixed with LONTREL 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. Follow all precautions, limitations and timing recommendations on the LONTREL 360 label.

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: **CENTURION** at 0.19 L/ha tank-mixed with LONTREL 360 at 0.42 to 0.83 L/ha and with the adjuvant AMIGO at 0.5% v/v.

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

Wild Buckwheat	0.56 L LONTREL 360/ha	Season-long control
Canada thistle	0.42 L LONTREL 360/ha	Top growth control to 6 - 8 weeks
	0.56 L LONTREL 360/ha	Season-long control
	0.83 L LONTREL 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 to the tank. Continue to agitate.
4. Add the correct amount of **CENTURION**. Continue to agitate.
5. Add the correct amount of adjuvant AMIGO 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.

CENTURION AND PURSUIT®

Field Peas: CENTURION may be tank-mixed with PURSUIT 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. Follow all precautions, limitations and timing recommendations on the PURSUIT label.

Time of Application: Field peas may be treated up to the sixth (6^{th}) trifoliate leaf stage. Apply when volunteer wheat, volunteer barley, wild oats and green foxtail are in the 2-6 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: **CENTURION** at 0.19 L/ha tank-mixed with PURSUIT at 210 mL/ha and the adjuvant AMIGO at 0.5% v/v.

Weeds Controlled: Wild oats, green foxtail, volunteer barley, volunteer wheat plus the weeds as listed on the PURSUIT 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 **CENTURION** and PURSUIT for once over grass and broadleaf weed control in field peas, add the correct amount of PURSUIT. Continue to agitate.
4. Add the required amount of **CENTURION** to the tank. Continue to agitate.
5. Add the correct amount of adjuvant AMIGO 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.

Imazethapyr Tolerant Canola (e.g. canola varieties with the SMART trait): CENTURION may be tank-mixed with **PURSUIT** for control of certain broadleaf and grassy weeds in imazethapyr-tolerant canola varieties in one spray operation. Apply in a minimum of 100 litres of water per hectare at a spray pressure of 275 kPa. Follow all precautions, limitations and timing recommendations on the PURSUIT label.

Time of Application: Imazethapyr-tolerant canola varieties may be treated after the crop has developed one (1) fully expanded leaf. Apply when grassy weeds are in the 2 to 6-leaf stage. Apply up to the 4-leaf stage for control of broadleaf weeds.

Application Rate: CENTURION at 0.19L/ha tank-mixed with **PURSUIT** at 0.105 or 0.21 L/ha and the adjuvant AMIGO at 0.5% v/v.

Weeds Controlled: As listed for **CENTURION** plus the following additional weeds.

PURSUIT at 0.105 L/ha for control of chickweed, hempnettle, redroot pigweed*, stinkweed, volunteer canola (not imazethapyr-tolerant), wild mustard and wild buckwheat*, in the 1 to 4-leaf stage.

*For the control of light infestations only. For heavy infestations, use the 0.21 L/ha rate of PURSUIT.

PURSUIT at 0.21 L/ha for control of weeds as listed on the PURSUIT label.

MIXING INSTRUCTIONS: For mixing instructions, refer to **CENTURION** and PURSUIT tank-mix on field peas.

CENTURION AND MUSTER®

Canola: CENTURION may be tank-mixed with MUSTER 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. Follow all precautions, limitations and timing recommendations on the MUSTER label.

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: **CENTURION** at 0.19 L/ha tank-mixed with MUSTER at 20 or 30 g/ha and the adjuvant AMIGO at 0.5% v/v.

Weeds Controlled

Muster 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 to the tank. Continue to agitate.
4. Once MUSTER is in suspension, add the required amount of **CENTURION**. Continue to agitate.
5. Add the correct amount of adjuvant AMIGO 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/water slurry and add to required water volume in the spray tank prior to adding **CENTURION** and AMIGO.
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 label for appropriate tank cleanout instructions.

CENTURION AND LIBERTY® 150 SN – PRAIRIE PROVINCES AND INTERIOR OF BRITISH COLUMBIA ONLY

Canola: For use on Glufosinate Ammonium tolerant canola varieties only (e.g. varieties or hybrids labelled LIBERTYLINK).

CENTURION may be tank-mixed with LIBERTY 150 SN Herbicide for control of certain broadleaf and grass weeds in Glufosinate Ammonium tolerant canola varieties in one spray operation. For ground applications, apply in a minimum of 110 L/ha spray volume at a pressure of 275 kPa. For aerial applications apply this tank-mix in a minimum of 55 L/ha spray volume at a pressure of 300 kPa.

Follow all precautions, limitations and timing recommendations on the LIBERTY 150 SN Herbicide label.

RECOMMENDED APPLICATIONS

Products	**Rate /ha**	**WEEDS CONTROLLED**	**Time of Application**
CENTURION + LIBERTY 150 SN + AMIGO Adjuvant	63 mL/ha + 2.67 or 4.0 L/ha + 0.5% v/v	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 label at the application rates of 2.67 and 4.0 L/ha.	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 – 5 leaf stage. Refer to the LIBERTY 150 SN Herbicide label for application timing on all remaining grass and broadleaf weeds for 2.67 or 4.0 L/ha.

Products	Rate /ha	WEEDS CONTROLLED	Time of Application
CENTURION + LIBERTY 150 SN + AMIGO Adjuvant	190 mL/ha + 3.33 or 4.0 L/ha + 0.5% v/v	Weed species listed on the **CENTURION** and LIBERTY 150 SN Herbicide labels plus barley, spring-germinated Japanese brome, spring-germinated downy brome	Glufosinate Ammonium tolerant canola varieties may be treated from the cotyledon stage up to the early bolting stage. Apply when the weeds are at growth stages listed on the **CENTURION** and LIBERTY 150 SN Herbicide labels, foxtail barley is at the 1-4 leaf stage with a maximum of 2 tillers and spring-germinated Japanese and downy brome are at the 1- to 6-leaf up to the emergence of the 1st tiller 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 **AMIGO** adjuvant to the tank. Continue to agitate until thoroughly mixed.
4. STOP agitation. Add the correct amount of **LIBERTY** 150 SN Herbicide to the spray tank. Start agitation system.
5. Add the correct amount of **CENTURION** along with the remaining amount of water necessary to fill the spray tank.
6. Continue to agitate or run the by-pass system and spray out immediately.
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.

CENTURION AND LIBERTY® 200 SN – EASTERN CANADA AND BRITISH COLUMBIA ONLY

Canola: For use on Glufosinate Ammonium tolerant canola varieties only (e.g. varieties or hybrids labelled LIBERTYLINK).

CENTURION may be tank-mixed with LIBERTY 200 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. Follow all precautions, limitations and timing recommendations on the LIBERTY 200 SN Herbicide label.

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 – 5 leaf stage. Refer to the LIBERTY 200 SN Herbicide label for application timing on all remaining grass and broadleaf weeds for 2.0 or 2.5 L/ha.

Application Rate: **CENTURION** at 63 mL/ha tank-mixed with LIBERTY 200 SN Herbicide at 2.0 to 2.5 L/ha and with the adjuvant AMIGO 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 200 SN Herbicide label at the application rates of 2.0 and 2.5 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.
3. Add the required amount of **AMIGO** adjuvant to the tank. Continue to agitate until thoroughly mixed.
4. STOP agitation. Add the correct amount of **LIBERTY** 200 SN Herbicide to the spray tank. Start agitation system.
5. Add the correct amount of **CENTURION** along with the remaining amount of water necessary to fill the spray tank.
6. Continue to agitate or run the by-pass system and spray out immediately.
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.

MINOR USES

NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS (BELOW): The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than BASF Canada Inc. under the User Requested Minor Use Label Expansion program. For these uses, BASF 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 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 CENTURION	Application rate of Adjuvant Amigo	REMARKS
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 **CENTURION** post-emergent when the crop is in the 1- 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	**TIME OF APPLICATION:** Apply **CENTURION** 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 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	**TIME OF APPLICATION:** Apply **CENTURION** 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 minimum spray volume of 110 L/ha. Observe a PHI of 14 days. Ground application only.
FENUGREEK	Annual weeds listed on **CENTURION** label.	Refer to **CENTURION** + AMIGO weed/rate chart in this label.	Refer to **CENTURION** + AMIGO weed/rate chart in this label.	**TIME OF APPLICATION:** Apply **CENTURION** post-emergent when fenugreek is in the 3 - 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.
CORIANDER (cilantro), CARAWAY	Labelled grassy weeds. Refer to weed/rate chart in this label.	0.19 – 0.38 L/ha Refer to **CENTURION** + AMIGO weed/rate chart in this label.	0.5 – 1.0% v/v Refer to **CENTURION** + AMIGO 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 100 L/ha.

CROP	Weeds controlled	Application rate of CENTURION	Application rate of Adjuvant Amigo	REMARKS
				Observe a PHI of 30 days for leaves and 60 days for seed. Ground application only.
SPINACH	Annual weeds listed on **CENTURION** label.	Refer to **CENTURION** + AMIGO weed/rate chart in this label.	Refer to **CENTURION** + AMIGO weed/rate chart in this label.	**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 2-6 leaf stage. Observe a PHI of 14 days. Ground application only.
PRAIRIE CARNATION	Annual weeds listed on **CENTURION** label. Refer to weed/rate chart in this label.	0.19 L/ha	0.5% v/v	**TIME OF APPLICATION:** Apply **CENTURION** 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. **Do not harvest treated prairie carnations for human consumption.** 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 **CENTURION** post-emergence 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 spray volume of 28-55 L/ha 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	**TIME OF APPLICATION:** Apply **CENTURION** to established sweet and tart cherry trees, post- emergence of weeds. Do not apply **CENTURION** directly over the top of the trees. Direct the spray at the base of the tree where grassy weeds are growing. If **CENTURION** is improperly applied, crop injury can occur. Apply a maximum of one

CROP	Weeds controlled	Application rate of CENTURION	Application rate of Adjuvant Amigo	REMARKS
				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	Labelled grassy weeds. Refer to weed/rate chart in this label.	0.19 – 0.38 L/ha	0.5 – 1.0% v/v	**TIME OF APPLICATION:** Apply **CENTURION** 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.
SAFFLOWER	Labelled grassy weeds. Refer to weed/rate chart in this label.	0.19 – 0.38 L/ha	0.5 – 1.0% v/v	**TIME OF APPLICATION:** Apply **CENTURION** 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.
CRANBERRY	Labelled grassy weeds. Refer to weed/rate chart in this label.	0.19 – 0.38 L/ha	0.5 – 1.0% v/v	**TIME OF APPLICATION:** Apply **CENTURION** 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 litres of water per hectare. Observe a PHI of 30 days. Ground application only.
RED GARDEN (TABLE) BEET, PARSNIP, CARROT, RADISH, CELERIAC, RUTABAGA	Labelled grassy weeds. Refer to weed/rate chart in this label.	0.19 – 0.38 L/ha	0.5 – 1.0% v/v	**TIME OF APPLICATION:** Apply **CENTURION** 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

CROP	Weeds controlled	Application rate of CENTURION	Application rate of Adjuvant Amigo	REMARKS
				days between first and second application. **Do not apply more than 0.38 L/ha (90 grams a.i./ha) per crop per season.** Apply in a minimum spray volume of 110 L/ha. Observe a PHI of 30 days. Ground application only.
DILL	Labelled grassy weeds. Refer to weed/rate chart in this label.	0.19 – 0.38 L/ha	0.5 – 1.0% v/v	**TIME OF APPLICATION:** Apply **CENTURION** post-emergence when dill is in the 3- 5 leaf stage. Apply a maximum of one application per year using ground equipment. Apply in 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 Refer to **CENTURION** + AMIGO Weed/rate chart in this Label.	0.5 – 1.0% v/v Refer to **CENTURION** + AMIGO 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	Labelled grassy weeds. Refer to weed/rate chart in this label.	0.19 L/ha	0.5% v/v	**TIME OF APPLICATION:** Apply **CENTURION** 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.

CROP	Weeds controlled	Application rate of CENTURION	Application rate of Adjuvant Amigo	REMARKS
winter; sweet bay (bay leaf); tansy; tarragon; thyme; wintergreen; woodruff; and 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 **CENTURION** 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% v/v	**TIME OF APPLICATION:** Apply **CENTURION** 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.
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	**TIME OF APPLICATION:** Apply CENTURION 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.
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,	Labelled grassy weeds. Refer to weed/rate chart in this label.	0.19 L/ha	0.5% v/v	**TIME OF APPLICATION:** Apply **CENTURION** 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 21 days. Ground application only.

CROP	Weeds controlled	Application rate of CENTURION	Application rate of Adjuvant Amigo	REMARKS
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*).				

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 45º 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 water 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 litres of water per hectare at pressures of 275 to 425 kPa. In any situation, ensure the proper rate of AMIGO is maintained as listed on the label under APPLICATION RATES OF **CENTURION.**

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

AERIAL APPLICATION

- Apply **CENTURION** 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 fixed-wing or rotary 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 recommended on this label.
- When applying **CENTURION** by aircraft, uniform coverage is essential. To avoid streaked, uneven or overlapped application, use appropriate marking devices.

Aerial Use Precautions

- Read and understand the entire label before opening this product. If you have questions, call BASF Canada Inc. at 1-877-371-2273 or obtain technical advice from the distributor or your provincial agricultural representative.
- 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.
- Do not apply to terrain where there is a potential for surface run-off to enter aquatic systems.
- Do not apply to any body of water. Avoid drifting of spray onto any body of water or other non-target areas. Specified buffer zones should be observed.
- Do not apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift.
- Do not apply when wind speed is greater than 16 km/h at a flying height at the site of application.
- Do not apply with spray droplets smaller than ASAE medium classification.

Product Specific Precautions

- Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-888-283-6847 or obtain technical advice from the distributor or your provincial agricultural representative.

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

Aerial application: **DO NOT** apply during periods of dead calm. 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 spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) medium classification. To reduce drift caused by turbulent wingtip vortices, the nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing- or rotorspan.

Spray Buffer Zones

Spot treatments using hand-held equipment **DO NOT** require a buffer zone.

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, leeks, green onion, 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, rutabaga, soybean, sunflower, celery, Chinese cabbage (napa), celeriac	1	1	2
	Spinach, edamame, edible-podded legume (crop subgroup 6A) vegetables, succulent shelled peas	1	1	1

	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				
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*	Fixed wing	10	1	60
		Rotary wing	10	1	50
	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

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

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

For Cherry (sweet and tart)
Use of the following spray methods or equipment DO NOT require a buffer zone: hand-held or backpack sprayer and spot treatment, *inter-row hooded sprayer, low-clearance hooded or shielded sprayers that ensure spray drift does not come in contact with orchard crop fruit or foliage.*

RESTRICTIONS AND LIMITATIONS

1. Use only for crops listed on the label.
2. Thorough preplant 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. Do not mix or apply **CENTURION** Emulsifiable Concentrate Post-Emergence Herbicide with any other additive, pesticide or with fertilizer except as specifically recommended on the label.
6. Allow 4 days between application of **CENTURION** and any other chemical not recommended as a tank-mix combination on the label.
7. Do not apply more than 0.38 L/ha (90 g a.i./ha) per season.
8. Do not use crops for grazing of livestock or green feed following application of **CENTURION** 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.

9. **CENTURION** may be applied by air for certain crops specified in this label.
10. Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

HERBICIDE RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, **CENTURION** is a Group 1 herbicide. Any weed population may contain or develop plants naturally resistant to **CENTURION** 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 **CENTURION** 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 BASF Canada Inc. at 1-877-371-2273 or at www.agsolutions.ca.

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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