

2020-0487
2021-05-28

VOLTA HERBICIDE

Group	2	Herbicide
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DRY FLOWABLE

FOR SALE FOR USE ON WHEAT (SPRING, WINTER OR DURUM), BARLEY, OATS, SOYBEANS, AND SULFONYLUREA TOLERANT CANOLA THAT CONTAINS THE CIBUS SU CANOLA™ TRAIT OR IMAZAMOX AND IMAZETHAPYR TOLERANT CANOLA (E.G. CANOLA VARIETIES WITH THE CLEARFIELD* TRAIT)

COMMERCIAL

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

ACTIVE INGREDIENT: Thifensulfuron-methyl 75%

Contains the allergen sulfites.

REGISTRATION NO. 33178 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 80 g - 16 Kg

Rotam LTD
Unit 6, 26/F Trend Centre,
29 Cheung Lee Street
Chai Wan, Hong Kong
China

Manufactured for:
Rotam North America, Inc.
330 St. Mary Avenue
Suite 300
Winnipeg, MB R3C 3Z5

1-866-927-6826

PRECAUTIONS:

- **KEEP OUT OF REACH OF CHILDREN.**
- Avoid breathing spray mist.
- Avoid contact with skin, eyes and clothing.
- Do not contaminate any body of water.
- DO NOT APPLY BY AIR.
- Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair.
- Wear goggles or face shield during mixing, loading, application, clean-up and repair.
- Gloves are not required during application within a closed cab.
- 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, 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.

FIRST AID:

IF IN EYES:

Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

IF ON SKIN OR CLOTHING:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

IF SWALLOWED:

Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

IF 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.

ENVIRONMENTAL PRECAUTIONS:

- **TOXIC** to plants. Observe buffer zones specified under DIRECTIONS FOR USE.
- 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 of this product 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.

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 any way that is inconsistent with the directions on the label.

STORAGE:

Store product in original container in a secure, dry area, away from fertilizer, seed, food or feed. Not for use or storage in or around the home. Keep container tightly closed.

DISPOSAL:For recyclable containers

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

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

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

For returnable containers

DO NOT reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

For refillable containers

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

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.

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- Avoid contact with skin, eyes and clothing.
- Do not contaminate any body of water.
- **DO NOT APPLY BY AIR.**
- Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair.
- Wear goggles or face shield during mixing, loading, application, clean-up and repair.
- Gloves are not required during application within a closed cab.
- 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, temperature inversions, application equipment and sprayer settings.
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TOXICOLOGICAL INFORMATION: Treat symptomatically.

ENVIRONMENTAL PRECAUTIONS:

- **TOXIC** to plants. Observe buffer zones specified under DIRECTIONS FOR USE.
- 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 of this product 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.

IMPORTANT

Injury to or loss of desirable trees or vegetation may result from failure to observe the following:

- Do not apply, drain or flush equipment on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.
- Do not use on lawns, walks, driveways, tennis courts or similar areas.
- Prevent drift of spray to desirable plants. Do not contaminate any body of water, including irrigation water that may be used on other crops.
- Wheat, barley or oats must not be grazed by or fed to livestock within 7 days of application. Do not graze the treated soybeans or soybeans cut for hay; sufficient data are not available to support such use. Imazamox and Imazethapyr tolerant canola (e.g. Canola varieties with the CLEARFIELD* Trait) must not be harvested, grazed or fed to livestock within 64 days of application.
- Carefully observe sprayer clean-up instructions, as spray tank residue may damage crops other than spring wheat, winter wheat, barley, oats, soybeans, or imazamox and imazethapyr and sulfonylurea tolerant canola (e.g. canola varieties with the Clearfield* Trait or the Cibus SU Canola™ Trait).
- DO NOT APPLY BY AIR.

GENERAL INFORMATION

VOLTA HERBICIDE is recommended for selective postemergence control of broadleaf weeds in wheat (spring, winter, or durum) barley, oats, soybeans, and sulfonylurea or imazamox and imazethapyr tolerant canola (e.g. canola varieties with the Cibus SU Canola™ or the Clearfield* Trait).

VOLTA HERBICIDE is in the form of a dry flowable granule to be dissolved in water and applied as a uniform broadcast spray. It is noncorrosive, non-flammable, nonvolatile, and does not freeze. VOLTA HERBICIDE must be applied with a recommended surfactant early postemergence to the main flush of actively growing weeds. Warm, moist growing conditions promote active weed growth and enhance the activity of VOLTA HERBICIDE by allowing maximum foliar uptake and contact activity. Weeds hardened off by environmental stress may not be adequately controlled or suppressed and regrowth may occur.

VOLTA HERBICIDE may only be applied using ground equipment. For best results, ensure thorough spray coverage of target weeds. Refer to "Directions For Use" section of the label for complete use details. VOLTA HERBICIDE stops growth of susceptible weeds rapidly. However, typical symptoms (discolouration) of dying weeds may not be noticeable for 1 to 3 weeks after application, depending on growing conditions and weed susceptibility. Favourable growing conditions following treatment promote the activity of VOLTA HERBICIDE while cold, dry conditions delay the activity. Degree of control and duration of effect depend on weed sensitivity, weed size, crop competition, growing conditions and spray coverage.

DIRECTIONS FOR USE:

DO NOT apply by air.

As this product is not registered for the control of pests in aquatic systems, **DO NOT** use to control aquatic pests.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

Field sprayer application:

- **DO NOT** apply 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.

Spray Buffer zones:

A spray buffer zone is NOT required for:

- uses with hand-held application equipment permitted on this label,
- low-clearance hooded or shielded sprayers that prevent spray contact with crop, fruit or foliage,
- soil drench or soil incorporation.

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, pastures, rangelands, and shrublands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of Application	Spray Buffer Zones (meters) Required for the Protection of:		
	Aquatic Habitat of Depths:		Terrestrial Habitat
	Less than 1 m	Greater than 1 m	
Field Sprayer	1	0	15

For tank mixes, 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 (ASAE) category indicated on the labels for those tank mix partners.

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

Wheat (spring, winter, or durum), barley or oats – not underseeded to legumes or grasses. Apply 20 grams of VOLTA HERBICIDE per hectare with a recommended surfactant such as AGSURF[®], AGRAL[®] 90, or CITOWETT[®] PLUS at 2 litres per 1000 litres spray solution (see "Mixing Instructions"), in the spring when the crop is in the two leaf to flag leaf (shot blade) stage of growth.

Thorough coverage is important.

Weeds controlled:

Chickweed*

Russian thistle

Volunteer rapeseed***
Hemp-nettle
Green smartweed
Cow cockle
Lady's-thumb
Stinkweed

Wild Buckwheat**
Redroot pigweed
Lamb's-quarters
Wild mustard
Corn spurry

Weeds Suppressed:

Kochia

Suppression is a visual reduction in weed competition (reduced population or vigour) as compared to an untreated area. For best results apply to emerged young actively growing weeds before the canopy closes. Weeds should be less than 10 cm tall or across. Weeds that emerge after treatment will not be controlled.

NOTE:

If rain occurs soon after application control may be reduced. Several hours of dry weather are needed to allow VOLTA HERBICIDE to be absorbed by weed foliage.

Specific Weed Recommendations:

* **Chickweed:** Apply VOLTA HERBICIDE plus recommended surfactant when the chickweed is small (1 to 6 leaf) and actively growing but before crop canopy prevents thorough coverage of weeds. Chickweed emerging after application will not be controlled.

** **Wild Buckwheat:** Apply VOLTA HERBICIDE plus surfactant to actively growing wild buckwheat in the 1 - 3 leaf stage. Under dry conditions control may be reduced. Large plants may regrow after treatment.

*** **Volunteer rapeseed:** VOLTA HERBICIDE will not control imazamox and imazethapyr or sulfonylurea tolerant canola (e.g. canola varieties with the Clearfield* Trait or the Cibus SU Canola™ Trait).

TANK MIXES:

When applied as a tank-mix combination, read and observe all label directions, including rates, personal protective equipment, restrictions and precautions for each product used in the tank-mix. Always use in accordance with the most restrictive label restrictions and precautions.

VOLTA HERBICIDE + MCPA

FOR USE IN WHEAT (SPRING, WINTER OR DURUM), BARLEY, OATS

VOLTA HERBICIDE may be tank mixed with MCPA Amine 500 to control the above weeds plus control of ragweed and suppression of Canada thistle. Apply VOLTA HERBICIDE at 20 grams per hectare plus MCPA Amine 500 at 1.0 litre per hectare (or acid equivalent to deliver 500 grams active ingredient per hectare) plus a recommended surfactant such as AG-SURF, AGRAL 90 or CITOWETT PLUS at 2 litres per 1000 litres of spray volume (see "Mixing Instructions" section of the label). Follow all precautionary statements for products used.

GENERAL INFORMATION

Imazamox and Imazethapyr Tolerant Canola (e.g., canola varieties with the Clearfield* Trait) - Temporary crop yellowing may be observed shortly after application of the following treatments on Imazethapyr Tolerant Canola (e.g., canola varieties with the Clearfield* Trait), especially

when applied to the crop growing under environmentally stressful conditions (see USE PRECAUTIONS section of the label). Avoid application to Imazethapyr tolerant canola (e.g., canola varieties with the Clearfield* Trait) fields in which germination is uneven (some plants outside the recommended leaf stage for application), as crop injury may result. CAUTION: Application of the VOLTA HERBICIDE on Imazamox and Imazethapyr tolerant canola may result in a delay in flowering.

DO NOT apply to non-Imazamox and Imazethapyr tolerant canola OR non-Sulfonylurea tolerant canola as severe crop injury or death of the plant may occur.

Do not exceed more than 20 g of product per hectare applied to any one crop of SU tolerant Canola (Cibus SU Canola™) during one growing season.

VOLTA HERBICIDE ALONE

FOR USE ON IMAZAMOX AND IMAZETHAPYR OR SULFONYLUREA TOLERANT CANOLA (E.G. CANOLA VARIETIES WITH THE CLEARFIELD* TRAIT OR CIBUS SU CANOLA™ TRAIT)

For the Control of Broadleaf Weeds only, Apply:

VOLTA HERBICIDE at 20 grams per hectare plus a recommended surfactant such as AGRAL 90, AG-SURF and CITOWETT PLUS at 2 litres per 1000 litres spray solution or the adjuvant SUREMIX™ at 5 litres per 1000 litres spray solution (see "Mixing Instructions" section of label). Apply VOLTA HERBICIDE when the imazamox and imazethapyr tolerant canola (e.g. canola varieties with the Clearfield* Trait) is in the 3 to 6 leaf stage of growth but prior to beginning of bolting. Application of VOLTA HERBICIDE prior to the 3-leaf stage of imazamox and imazethapyr tolerant canola (e.g. canola varieties with the Clearfield* Trait) could result in crop injury.

Apply VOLTA HERBICIDE when sulfonylurea tolerant canola (e.g. canola with the Cibus SU Canola™ Trait) is in the 2 to 5 leaf stage but prior to the beginning of bolting.

VOLTA HERBICIDE will control the following broadleaf weeds:

WEEDS CONTROLLED

Chickweed*
Hemp-nettle
Lady's-thumb
Redroot pigweed
Corn spurry
Russian thistle
Green smartweed

Stinkweed
Lamb's-quarters
volunteer rapeseed***
Cow cockle
Wild buckwheat**
Wild mustard

WEEDS SUPPRESSED

Kochia

Suppression is a visual reduction in weed competition (reduced population or vigour) as compared to an untreated area. For best results apply to emerged young actively growing weeds before the canopy closes. Weeds should be less than 10 cm tall or across. Weeds that emerge after treatment will not be controlled.

NOTE:

If rain occurs soon after application control may be reduced. Several hours of dry weather are needed to allow VOLTA HERBICIDE to be absorbed by weed foliage.

Specific Weed Recommendations:

* **Chickweed:** Apply VOLTA HERBICIDE plus recommended surfactant when the chickweed is small (1- to 6-leaf) and actively growing but before crop canopy prevents thorough coverage of weeds. Chickweed emerging after application will not be controlled.

** **Wild Buckwheat:** Apply VOLTA HERBICIDE plus surfactant to actively growing wild buckwheat in the 1- to 3-leaf stage. Under dry conditions control may be reduced. Large plants may regrow after treatment.

*****Volunteer Rapeseed:** VOLTA HERBICIDE Will not control Imazamox and Imazethapyr or Sulfonylurea Tolerant Canola (e.g. canola varieties with the Clearfield* Trait or the Cibus SU Canola™ Trait).

TANK MIXTURES IN:

IMAZAMOX AND IMAZETHAPYR OR SULFONYLUREA TOLERANT CANOLA (EG. CANOLA VARIETIES WITH THE CLEARFIELD* TRAIT OR CIBUS SU CANOLA™ TRAIT)
FOR USE ONLY IN THE PRAIRIE PROVINCES, PEACE RIVER REGION AND INTERIOR OF BRITISH COLUMBIA.

VOLTA HERBICIDE + ASSURE® II

For use on Imazamox and Imazethapyr or Sulfonylurea Tolerant Canola (e.g. canola varieties with the CLEARFIELD* Trait or CIBUS SU CANOLA™ TRAIT)

For the control of annual grasses as well as broadleaf weeds, apply a tank mixture of:
VOLTA HERBICIDE at 20 grams per hectare

plus
ASSURE II at 0.38 - 0.5 litres per hectare
plus
SURE-MIX at 0.5 % v/v or 5 litres per 1000 litres spray solution

Apply VOLTA HERBICIDE plus ASSURE II tank mixture when the imazamox and imazethapyr tolerant canola (e.g. canola varieties with the CLEARFIELD* Trait) is in the 3- to 6-leaf stage of growth but prior to beginning of bolting. Application of the VOLTA HERBICIDE plus ASSURE II tank mixture prior to the 3-leaf stage of imazamox and imazethapyr tolerant canola (e.g. canola varieties with the CLEARFIELD* Trait) could result in crop injury.

Apply VOLTA HERBICIDE plus ASSURE II tank mixture when the sulfonylurea tolerant canola (e.g. canola with the Cibus SU Canola™ Trait) is in the 2 to 5 leaf stage of growth but prior to the beginning of bolting.

This tankmix will control the above broadleaf weeds as well as the grass weeds listed below:

RATE	WEEDS CONTROLLED	WEED LEAF STAGE
0.38 or 0.5 L/ha	Barnyard grass	2 leaf to early tillering*
	Green foxtail	2 leaf to early tillering
	Volunteer barley	2 leaf to early tillering
	Volunteer corn	2-6 leaf
	Volunteer oats	2 leaf to early tillering**
	Volunteer wheat	2 leaf to early tillering
	Wild oats	1-5 leaf without tillers (0.38 L/ha) 2 leaf to early tillering** (0.5 L/ha)
	WEEDS SUPPRESSED	WEED LEAF STAGE

Quackgrass	2-6 leaf*
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* Use the higher rate of ASSURE® II (0.5 L/ha) for control of barnyard grass, as well as suppression of quackgrass.

** Best results on volunteer/wild oats if application is made before tillering begins.

NOTE:

Consult the ASSURE® II label for additional instructions regarding grassy weed size and/or height at time of application as well as other use precautions, and restrictions.

VOLTA HERBICIDE + LONTREL™ 360 or CT Mix 360

For use ONLY on Imazamox and Imazethapyr or Sulfonylurea Tolerant Canola (e.g., Canola varieties with the Clearfield* trait or Cibus SU Canola™ trait)

For control of annual broadleaf weeds plus top growth control of Canada Thistle, apply a tank mixture of the following:

VOLTA HERBICIDE	at 20 grams per hectare
plus	
LONTREL 360 or CT MIX 360	at 0.42 per hectare
plus	
Non-ionic Surfactant	at 0.2% v/v
or	
SURE-MIX	at 0.5% v/v or 5 litres per 1000 litres spray solution

Apply the VOLTA HERBICIDE plus LONTREL 360 or CT Mix 360 tank mixture when the Imazamox and Imazethapyr tolerant canola (e.g. canola varieties with the Clearfield* Trait) is in the 3- to 6-leaf stage of growth but prior to beginning of bolting. Application of the VOLTA HERBICIDE plus LONTREL 360 or CT Mix 360 tank mixture prior to the 3-leaf stage of Imazamox and Imazethapyr tolerant canola could result in crop injury.

Apply VOLTA HERBICIDE plus Lontrel 360 or CT Mix 360 tank mixture when the sulfonylurea tolerant canola (e.g. canola with the Cibus SU Canola™ Trait) is in the 2 to 5 leaf stage of growth but prior to the beginning of bolting.

Weeds Controlled or Suppressed:

This tank mix will control or suppress the broadleaf weeds above with VOLTA HERBICIDE used alone, PLUS provide top growth control of Canada Thistle. Consult the LONTREL 360 or CT Mix 360 label for additional instructions regarding Canada Thistle size at the time of application, as well as other use precautions.

VOLTA HERBICIDE + LONTREL 360 or CT MIX 360 + ASSURE II

For use ONLY on Imazamox and Imazethapyr or Sulfonylurea Tolerant Canola (e.g. canola varieties with the Clearfield* Trait or Cibus SU Canola™ Trait)

For top growth control of Canada Thistle as well as control of annual grasses and broadleaf weeds, apply a tank mixture of the following:

VOLTA HERBICIDE	at 20 grams per hectare
plus	
LONTREL 360 or CT MIX 360	at 0.42 litres per hectare
plus	

ASSURE II at 0.38 or 0.5 litres per hectare
plus
SURE-MIX at 0.5% v/v or 5 litres per 1000 litres spray solution

Apply the VOLTA HERBICIDE plus LONTREL 360 or CT Mix 360 plus ASSURE II tank mixture when the Imazamox and Imazethapyr tolerant canola (e.g. Canola varieties with the Clearfield* Trait) is in the 3- to 6-leaf stage of growth but prior to beginning of bolting. Application of the VOLTA HERBICIDE plus LONTREL 360 or CT Mix 360 plus ASSURE II tank mixture prior to the 3-leaf stage of Imazamox and Imazethapyr tolerant canola (e.g. Canola varieties with the Clearfield* Trait) could result in crop injury.

Apply VOLTA HERBICIDE plus Lontrel 360 or CT Mix 360 plus ASSURE II tank mixture when the sulfonylurea tolerant canola (e.g. canola with the Cibus SU Canola™ Trait) is in the 2 to 5 leaf stage of growth but prior to the beginning of bolting.

Weeds Controlled or Suppressed:

This tank mix will control or suppress the annual grasses & broadleaf weeds listed above with the VOLTA HERBICIDE + ASSURE II tank mix, PLUS provide top growth control of Canada Thistle. Consult the ASSURE II and LONTREL 360 or CT Mix 360 labels for additional instructions regarding weed size &/or height at the time of application, as well as other use precautions.

**VOLTA HERBICIDE ALONE
FOR USE ON SOYBEANS**

SPRAY ADJUVANTS:

VOLTA HERBICIDE must be applied with a recommended non-ionic surfactant, such as AG-SURF*, AGRAL* 90, or CITOWETT* PLUS at 1 litre per 1000 litres water (0.1% v/v) OR a crop oil concentrate (if applicable), such as SURE-MIX* at 0.5% v/v (0.5 litres per 100 litres of spray solution) or ASSIST* at 1-2 litres per hectare.

RATES AND TIMING:

VOLTA HERBICIDE may be applied anytime after the soybeans have the first trifoliolate leaf fully expanded and before soybeans have initiated flowering. VOLTA HERBICIDE can be applied up to 60 days before soybean harvest.

Use 5.5 or 8 grams VOLTA HERBICIDE per hectare. For best results apply to young actively growing weeds before the soybean canopy closes. Weeds should be less than 10 cm tall or across. Weeds that emerge after treatment will not be controlled.

NOTE:

If rain occurs after application, control may be reduced. Several hours of dry weather are needed to allow VOLTA HERBICIDE to be absorbed by weed foliage.

Apply 5.5 or 8 grams VOLTA HERBICIDE per hectare as a broadcast spray with a recommended surfactant.

WEEDS CONTROLLED AT 5.5 GRAMS PER HECTARE:

Redroot pigweed
Wild mustard

Lady's thumb

WEEDS CONTROLLED AT 8.0 GRAMS PER HECTARE:

Weeds controlled at 5.5 grams per hectare plus:

Lamb's-quarters

Velvetleaf †

† The addition of a nitrogen-containing fertilizer such as 28% N, at 4 litres per 100 litres of spray solution, or an equivalent amount of nitrogen as urea (46-0-0) per ha may improve control of velvetleaf.

VOLTA HERBICIDE TANK MIXES

VOLTA HERBICIDE + ASSURE II

For the control of annual grassy and specific broadleaf weeds, apply a tank mixture of the following:

VOLTA HERBICIDE	5.5 or 8.0 g/ha
plus	
ASSURE II	0.5 L/ha
plus	
SURE-MIX*	0.5% v/v (0.5 litres per 100 litres of spray solution)

Consult the complete ASSURE II Directions for Use pamphlet for grassy weeds controlled. For the correct use rate for the broadleaf weeds present, refer to the Weeds Controlled section in this label.

Consult the timing section of this label for the correct timing of application to grassy weeds. For optimum leaf stage timing of broadleaf weeds, consult the General Information section of this label. If leaf stages of the grass and broadleaf weeds do not coincide, a sequential application of the grass and broadleaf herbicides is required to ensure satisfactory control. Do not apply before the crop has 1-2 full trifoliolate leaves.

Velvetleaf control may be reduced with a single tank mix application. For optimum control, make separate applications of VOLTA HERBICIDE and ASSURE II Herbicides.

Consult the ASSURE II label for precautions, weeds controlled and additional restrictions on the use of ASSURE II.

VOLTA HERBICIDE + ASSURE II + BASAGRAN FORTE

For the control of annual grassy and broadleaf weeds, apply a tank mixture of the following:

VOLTA HERBICIDE	5.5 or 8.0 g/ha
plus	
ASSURE II	0.63 L/ha
plus	

BASAGRAN FORTE	1.75 or 2.25 L/ha
plus	
SURE-MIX	0.5% v/v (0.5 litres per 100 litres of spray solution)

Consult the BASAGRAN FORTE label and the above table for the correct use rate for the broadleaf weeds present. Weeds controlled by 0.63 L/ha of ASSURE II in this tank mix are listed on the ASSURE II label at 0.5 L/ha (when ASSURE II is used alone). The increase in the application rate of ASSURE II in this tank mix is required for consistent grassy weed control.

Consult the ASSURE II label for the correct timing of application to grassy weeds. For optimum leaf stage timing of broadleaf weeds, consult the BASAGRAN FORTE label and as well as the General Information and Directions for Use sections in this label. If leaf stages of the grass and broadleaf weeds do not coincide, a sequential application of the grass and broadleaf herbicides is required to ensure satisfactory control. Do not apply before the crop has 1-2 full trifoliate leaves.

Consult the ASSURE II and BASAGRAN FORTE labels for precautions, weeds controlled and additional restrictions.

VOLTA HERBICIDE plus BASAGRAN or BASAGRAN FORTE

VOLTA HERBICIDE may be tank-mixed with BASAGRAN or BASAGRAN FORTE to control additional weeds not controlled by VOLTA HERBICIDE alone. If BASAGRAN FORTE is used, an additional adjuvant is not required. This tank mix includes:

VOLTA HERBICIDE	8.0 g/ha
plus	
BASAGRAN FORTE	1.75 or 1.25 L/ha

VOLTA HERBICIDE	8.0 g/ha
plus	
BASAGRAN	1.75 or 2.25 L/ha
plus	
ASSIST	1.0 – 2.0 L/ha

The tank mixture will control the weeds listed for control by VOLTA HERBICIDE alone (at 8 g/ha), plus the weeds listed on the BASAGRAN or BASAGRAN FORTE label. Please refer to the BASAGRAN or BASAGRAN FORTE label for weeds controlled at the appropriate use rate, as well as additional application instructions and use precautions.

MIXING INSTRUCTIONS:

1. Select a spray volume that will ensure thorough coverage and uniform spray pattern. Use a minimum of 100 L of spray volume per hectare.
2. Fill the spray tank 1/4 to 1/3 full with fresh water.
3. Add the recommended amount of VOLTA HERBICIDE to the spray tank while the agitator is running. Make sure all of the VOLTA HERBICIDE is in suspension. Continuous agitation is required to keep VOLTA HERBICIDE in suspension.
4. After VOLTA HERBICIDE in suspension, other tankmix components may be added while continuing to fill the tank with water. The proper sequence for tank mix components is:
 - i) dry formulations
 - ii) emulsifiable concentrates (i.e. MCPA, AVENGE, LONTREL 360, CT Mix 360 or ASSURE II)
 - iii) surfactants or adjuvants (recommended surfactants are AGRAL 90, AG-SURF, and CITOWETT PLUS (recommended adjuvants for use with ASSURE II, LONTREL 360, CT Mix 360 or ASSURE II + LONTREL 360 tankmixes is SURE-MIX).

NOTE:

Refer to the appropriate tank mix section of this label for more detailed recommendations on the specific surfactant or adjuvant required. A surfactant or adjuvant recommended on this label must be added to improve wetting and contact activity. Anti-foaming agents may be required. Ensure that the herbicide is completely mixed before proceeding to the next step.

5. For repeat loads, reduce the tank heel to 10% or less of the previous load. Fill tank with fresh water as described in step 2, and continue as directed. Emulsifiable concentrates may make dispersion of VOLTA HERBICIDE more difficult. For that reason, tank heels of the previous tank mix should be kept to 10% or less of the spray tank volume.
6. Do not allow the spray mixture to remain in the tank for more than 24 hours before spraying or the effectiveness may be reduced. If the spray mixture has been allowed to stand in the tank, use vigorous agitation to thoroughly disperse before resuming spraying.
7. Use the spray preparation of VOLTA HERBICIDE within 24 hours or product degradation may occur. If spray solution is left standing without agitation, thoroughly agitate and resuspend any settled herbicide before resuming the spraying operation.

The volumetric measuring cylinder for VOLTA HERBICIDE is to be used only as a guide. For precise measurement, use scales calibrated in grams.

EQUIPMENT - SPRAY VOLUMES:

Apply the spray mixture uniformly with properly calibrated ground equipment only. Ensure thorough coverage and a uniform spray pattern. Flat fan nozzles are recommended (minimum 100 litres spray volume per hectare). When using flood jet or "Raindrop" nozzles, apply 225 litres per hectare total spray volume to ensure thorough coverage. Use 50 mesh filter screens or larger (metal or nylon). Continuous agitation is required to keep VOLTA HERBICIDE in suspension. Apply uniformly and avoid overlapping. Shut off spray boom while starting, turning, slowing or stopping to prevent crop injury from over application.

SPRAYER CLEANUP:

To avoid subsequent injury to crops other than wheat, barley, oats, soybeans, or imazamox and imazethapyr or sulfonyleurea tolerant canola (e.g. canola varieties with the CLEARFIELD* Trait or CIBUS SU CANOLA™ Trait) immediately after spraying and prior to spraying other crops thoroughly remove all traces of VOLTA HERBICIDE from mixing and spray equipment as follows:

1. Drain tank and flush tank, boom and hoses with clean water for a minimum of ten minutes. Visually inspect tank to assure removal of all visible residues of VOLTA HERBICIDE. If necessary, repeat step 1. DO NOT CLEAN SPRAYER NEAR WELL OR WATER SOURCE OR NEAR TO DESIRABLE VEGETATION.
2. Fill tank with clean water while adding 1 litre household ammonia (containing a minimum 3% ammonia) per 100 litres of water. Flush solution through boom and hoses, and then add more water to completely fill tank. Allow to sit for 15 minutes with agitation. Again flush the hoses, boom and nozzles with the cleaning solution and drain tank.
3. Remove the nozzles and screens and clean separately in a bucket containing cleaning agent and water.
4. Repeat Step 2.
5. Thoroughly rinse the tank with clean water for a minimum of 5 minutes, flushing water through the hoses and boom.

CAUTION:

Do not use ammonia with chlorine bleach. Using ammonia with chlorine bleach will release a gas with a musty chlorine odour which may cause eye, nose, throat, and lung irritation. Do not clean equipment in an enclosed area.

USE PRECAUTIONS:

Do not apply to wheat, barley, oats, soybeans, or imazamox and imazethapyr or sulfonylurea tolerant canola (e.g. canola varieties with the CLEARFIELD* Trait or CIBUS SU CANOLA™ Trait) that are or have been stressed prior to application by severe weather conditions, frost, low fertility, drought, water saturated soil, disease or insect damage as crop injury may result.

Do not apply to registered crops if the above stress conditions are expected within 3 days after application as crop injury may result.

Do not apply within 15 metres of a body of water or wetland area.

Do not apply to irrigated land where tail water will be used to irrigate crop land. Do not contaminate irrigation water.

Under certain environmentally stressful conditions (such as heavy rainfall, prolonged cool or hot weather, frost conditions, wide fluctuations in day/night temperatures), temporary lightening in crop colour and occasionally a slight reduction in crop height may occur.

Do not apply to crops underseeded to legumes, or grasses as injury to forage may result.

Because crop varieties differ in their tolerance to herbicides, limit first use of VOLTA HERBICIDE to a small area of each variety prior to adoption as a field practice.

Do not exceed a total of 20 g per hectare per crop year.

Do not plant any crop other than wheat or barley, oats, soybeans, or imazamox and imazethapyr or sulfonylurea tolerant canola (e.g. canola varieties with the Clearfield* trait or Cibus SU Canola™ trait) for 30 days after application of VOLTA HERBICIDE.

RESISTANCE MANGEMENT

For resistance management, VOLTA HERBICIDE is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to VOLTA HERBICIDE and other Group 2

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 VOLTA HERBICIDE or other Group 2 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 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 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 your local Rotam representative or at 1-866-927-6826 for further information.

STORAGE:

Store product in original container only, away from other pesticides, fertilizer, food or feed. Not for use or storage in or around the home. Keep container closed.

DISPOSAL:

For recyclable containers

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

1. Triple- or pressure-rinse the empty container. Add the rinsings

to the spray mixture in the tank.

2. Make the empty, rinsed container unsuitable for further use.

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

For returnable containers

DO NOT reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

For refillable containers

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

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 any way that is inconsistent with the directions on the label.