

29-APR-2008 Sub. No. 2008-1347

28-NOV-2008 Notification - Product Name Change

(Base Label)

GROUP 4 HERBICIDE

Viterra MCPA Ester 600 Herbicide

~~**MCPA Ester 600**~~

~~**HERBICIDE**~~

~~**EMULSIFIABLE CONCENTRATE**~~

Notification Change

AGRICULTURAL

READ THE LABEL AND THE BOOKLET BEFORE USING

GUARANTEE: MCPA, present as 2-ethylhexyl ester: 600 g/L

REGISTRATION NO: 29001
PEST CONTROL PRODUCTS ACT

Net Contents: **10 litres**



WARNING

POISON

Interprovincial Cooperative Limited
P.O. Box 1050, Saskatoon, Saskatchewan S7K 3M9
1-204-233-3461

T.M. Reg'd.

RC 000-0308

(Front Panel)

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DETACH LABEL INSTRUCTIONS AT PERFORATION. THIS PORTION MUST REMAIN ATTACHED TO THE CONTAINER

PRECAUTIONS

KEEP OUT OF THE REACH OF CHILDREN. Harmful or fatal if swallowed. Wear long-sleeved shirt and long pants during mixing, loading, application, clean-up and repair. Do not get in eyes, on skin or clothing. Wear suitable chemical resistant gloves and protective clothing while handling. Rinse gloves before removal. After use, wash hands and other exposed skin. AVOID INHALING VAPOURS OR MIST. **When tank-mixing, observe the most stringent precautionary measures for handling and mixing stated on both product labels.** When handling, do not eat, drink or smoke. Take a shower daily, immediately after application. Wear freshly laundered clothing daily. Handle with care and mix only in a closed container. Use only in a well ventilated area. May cause damage to susceptible crops, ornamentals and other plants, in minute quantities. Avoid drift to desirable vegetation. Do not spray during periods of high wind. Coarse sprays are less likely to drift. Do not contaminate any body of water. Avoid contamination of foods. Keep in original container during storage. Do not re-use container unless otherwise specified. Clean spray equipment thoroughly after use. If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web-site at www.croplife.ca. Store the container tightly closed away from seeds, fertilizers, plants and foodstuffs. May be stored at any temperature. SHAKE WELL BEFORE USING.

FIRST AID: In case of poisoning, call a physician or contact poison control centre IMMEDIATELY. **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 swallowed**, call a poison control centre or doctor IMMEDIATELY for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person. **If inhaled**, move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: No specific antidote. Treatment of any systemic intoxication should be primarily symptomatic and supportive. Contains petroleum distillates. Do not induce vomiting. Vomiting may cause aspiration pneumonia.

DISPOSAL

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.

Returnable Containers:

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

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.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER:

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

DETACH LABEL INSTRUCTIONS AT PERFORATION

GROUP 4 HERBICIDE

Viterra MCPA Ester 600 Herbicide

Notification Change

~~MCPA Ester 600~~

HERBICIDE

EMULSIFIABLE CONCENTRATE

AGRICULTURAL

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GUARANTEE: MCPA, present as 2-ethylhexyl ester: 600 g/L

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LABEL INDEX MCPA Ester 600 Herbicide

Wheat, Barley, Rye	GO TO Section 1	Woody Growth	GO TO Section 8
Oats and Mixed Grains	GO TO Section 2	Tank-Mixes	GO TO Section 9
Fall Rye, Winter Wheat	GO TO Section 3	Mixing and Application	GO TO Section 10
Flax	GO TO Section 4	General Precautions	GO TO Section 11
Established Forages	GO TO Section 5	First Aid	GO TO Section 12
Weeds Controlled/Rates of Application	GO TO Section 6	Toxicological Information	GO TO Section 13
Stubble Land, Pastures, Roadsides,		Rinsing/Disposal Information	GO TO Section 14
Uncropped Land	GO TO Section 7		

SECTION 1 - WHEAT, BARLEY, RYE

Treatment Stage: For ground or aerial application. Treat from the 3 leaf expanded to the early flag leaf or between the milk stage and full maturity stage of the crop.

GO TO SECTION 6

SECTION 2 - OATS AND MIXED GRAIN

Treatment Stage: For ground or aerial application. Spray from 1 leaf expanded to the early flag leaf stage of the crop.

GO TO SECTION 6

SECTION 3 - FALL RYE, WINTER WHEAT

Treatment Stage: For ground application only. Spring application only between full tillering and the shot blade stage. Do not apply to seedling winter cereals in the fall or during and after the flag leaf stage.

GO TO SECTION 6

SECTION 4 - FLAX (Excluding low-linolenic acid varieties)

Treatment Stage: For ground application ONLY. Spray after plant reaches 5 cm in height and before the bud stage. Caution: Early crop injury may be observed, but yield should not be affected.

GO TO SECTION 6

SECTION 5 - Established Forages (Alfalfa, Alsike and Red Clover, Grasses).

Treatment Stage: For ground application only. Apply very early in the spring, before the growth of perennial forages has begun. In pure stands of grasses, applications may be made in the fall (for susceptible winter annual and perennial weeds).

GO TO SECTION 6

SECTION 6 - WEEDS CONTROLLED AND RATES OF APPLICATION

Susceptible Weeds: Burdock (before the 4 leaf stage), Cocklebur, Common plantain, Common ragweed, False ragweed, Flixweed*, Giant ragweed, Lamb's-quarters, Mustards (except Dog and Tansy mustard), Prickly lettuce, Russian pigweed**, Shepherd's purse**, Stinkweed, Vetch, Wild radish, Wild (annual) sunflower.

*Flixweed susceptible only at seedling stage. Use higher rate for fall germinated seedlings.

**Use higher rate only, on these species.

Rates to Use On Susceptible Weeds:

Small seedlings, good growing conditions:	580 mL/ha
Weeds in bud, dry or cool weather or heavy infestations:	900 mL/ha

For best results apply at the 2 to 4 leaf stage of seedling weeds when weeds are actively growing. Weed resistance increases with age.

Harder-to-Control Weeds:

Annual sow-thistle, Biennial wormwood, Blue lettuce*, Bluebur, Canada thistle*, Corn spurry*, Curled dock, Dandelion, Dog mustard, Field bindweed*, Field Horsetail*, Field peppergrass, Goat's-beard, Gumweed, Hairy galinsoga, Hedge bindweed*, Hemp-nettle (before 4 leaf stage), Hoary cress*, Kochia, Lady's-thumb*, Leafy spurge*, Oak-leaved goosefoot, Perennial sow-thistle*, Purslane, Redroot pigweed, Russian knapweed*, Russian thistle, Smartweed*, Sweet clover (seedling), Tansy mustard, Tartary Buckwheat.

*Top Growth Control Only

Rates To Use on Harder-to-Control Weeds:

Small Seedlings growing rapidly, good growing conditions:	1.05 L/ha
Weeds in bud, dry or cool weather, or heavy infestations:	1.50 L/ha

For best results apply at the 2 to 4 leaf stage of seedling weeds when weeds are actively growing. Weed resistance increases with age.

Maximum Rates of Application:

Cereals (including spring and winter wheat, barley, spring and fall rye):	1.05 L/ha
Oats:	900mL/ha
Flax:	700mL/ha
Established Forages:	1.65 L/ha

Use the dose recommended to control the weeds present. Rates applied above those recommended can result in significant crop injury and should only be used when injury can be tolerated, such as heavy infestations of harder-to-control weeds. Apply in warm weather when the weeds and crop are growing actively and the weeds are at a susceptible stage. Avoid application during drought or during exceptionally hot weather.

DO NOT GRAZE OR CUT TREATED CROPS FOR FORAGE UNTIL 7 DAYS AFTER APPLICATION.

GO TO SECTION 10

SECTION 7 - STUBBLE LAND, PASTURES (without legumes), ROADSIDES AND UNCROPPED LAND (Ground or aerial application on stubble land and pastures only)

Apply at the time of most rapid growth (usually May, June, and/or September). Spray thoroughly using 1.4 to 2.8 litres of product per hectare in 100 to 300 litres of water. Use the higher rate for perennial weeds. A second application may be required. Cultivating grain stubble and spraying after re-growth may aid in control. Do not apply on recently seeded grasses and pasture until the crop is established. Under good growing conditions and adequate moisture, weeds can be treated up to 2 weeks prior to normal frost time (see Section 6 for a more complete list of weeds controlled).

DO NOT GRAZE OR CUT CROPS FOR FORAGE UNTIL 7 DAYS AFTER APPLICATION.

GO TO SECTION 10

SECTION 8 - WOODY GROWTH (non-grazing/ground application only):

Apply at the time of rapid growth (usually May, June and/or September). Apply 1.8 to 3.7 litres of product per hectare in 100 or more litres of water per hectare. Use the lower rate for species that are more susceptible such as chokecherry, western snowberry and willow.

Spray brush species up to 3 metres tall after foliage is well developed. Applications soon after leaves are fully open usually give the best results. Apply sufficient spray volume to thoroughly wet all plant parts to the ground line. Brush or trees above 3 metres tall should be cut close to the ground and sprayed when re-growth is over 0.6 metres tall. With good growing conditions and adequate soil moisture, sprays may be applied up to 2 to 3 weeks before normal frost time.

To reduce potential drift hazard in non-crop location a drift control agent may be added. Follow all directions on the drift control label for the correct mixing sequence.

Notification Change

Viterra MCPA Ester 600 Herbicide

GO TO SECTION 10

SECTION 9 - TANK-MIXES WITH ~~MCPA Ester 600 Herbicide~~

Use tank -mixes only when they are registered and recommended. Read and follow the directions, warnings, precautions and grazing limitations on both products used in a tank-mix. Ensure all components of tank-mix are registered for aerial application.

GO TO SECTION 10

SECTION 10 - MIXING AND APPLICATION

1. Fill tank 1/2 full of water. Start agitation. Viterra MCPA Ester 600 Herbicide
2. Add ~~MCPA Ester 600 Herbicide~~.
3. When tank-mixes are used, consult the tank-mix product label for full mixing instructions.
4. Complete filling of the tank.
5. Use 50-200 litres of water per hectare for ground application unless otherwise specified on tank-mix product labels. Higher water volumes can reduce the risk of crop injury, particularly on oats and flax.
6. Do not exceed 275 kpa of pressure for ground application.
7. TRANSFER SYSTEM: FOR CONTAINERS LARGER THAN 20 L: Use a transfer system that avoids open pouring when transferring the liquid concentrate from such containers into the spray tank.

Use Precautions for Aerial Application (to cereal crops, established forages, stubble land and pastures)

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 for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.

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

Use Precautions

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

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.

Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in fine particles (mist). Do not apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift. Do not spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelterbelt) or aquatic habitat.

Operator Precautions

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

The field crew and the mixer/loaders must wear chemical resistant gloves, coveralls, and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label.

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.

GO TO SECTION 11

SECTION 11 - GENERAL PRECAUTIONS

Notification Change

ENVIRONMENTAL PRECAUTIONS

This product contains a petroleum distillate, which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning of equipment.

Viterra MCPA Ester 600 Herbicide

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, ~~MCPA Ester 600 Herbicide~~ is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to ~~MCPA Ester 600 Herbicide~~ and other Group 4 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.

Viterra MCPA Ester 600 Herbicide

To delay herbicide resistance:

- Where possible, rotate the use of ~~MCPA Ester 600 Herbicide~~ or other Group 4 herbicides 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.
- Herbicide use should be based on an IPM program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control practices.
- Monitor treated weed populations for resistance development
- Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.
- 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 Interprovincial Cooperative Ltd. at 1-204-233-3461.

PRECAUTIONS

1. KEEP OUT OF THE REACH OF CHILDREN.
2. Harmful or fatal if swallowed.
3. Wear long-sleeved shirt and long pants during mixing, loading, application, clean-up and repair.
4. Do not get in eyes, on skin or clothing. Wear suitable chemical resistant gloves and protective clothing while handling. Rinse gloves before removal. After use, wash hands and other exposed skin. AVOID INHALING VAPOURS OR MIST.
5. **When tank-mixing, observe the most stringent precautionary measures for handling and mixing stated on both product labels.**
6. When handling, do not eat, drink or smoke. Take a shower daily, immediately after application. Wear freshly laundered clothing daily.
7. Handle with care and mix only in a closed container. Use only in a well ventilated area.
8. May cause damage to susceptible crops, ornamentals and other plants, in minute quantities. Avoid drift to desirable vegetation. Do not spray during periods of high wind. Coarse sprays are less likely to drift.
9. Do not contaminate any body of water. Avoid contamination of foods.

10. Keep in original container during storage. Do not re-use container unless otherwise specified
11. Clean spray equipment thoroughly after use.
12. If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web-site at www.croplife.ca.
13. Store the container tightly closed away from seeds, fertilizers, plants and foodstuffs. May be stored at any temperature. **SHAKE WELL BEFORE USING.**

GO TO SECTION 12

SECTION 12 - FIRST AID

1. **FIRST AID: In case of poisoning**, call a physician or contact poison control centre IMMEDIATELY.
2. **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.
3. **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.
4. **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.
5. **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.
6. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

GO TO SECTION 13

SECTION 13 - TOXICOLOGICAL INFORMATION

No specific antidote. Treatment of any systemic intoxication should be primarily symptomatic and supportive. Contains petroleum distillates. Do not induce vomiting. Vomiting may cause aspiration pneumonia.

GO TO SECTION 14

SECTION 14 - DISPOSAL

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 emptied container. Add the rinsings to the spray mixture in the tank.
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NOTICE TO USER:

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This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.