

2008-5732  
05-FEB-2009

(Booklet)

Group	4	Herbicide
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# VITERRA

## MCPA AMINE 500

### LIQUID HERBICIDE

#### AGRICULTURAL

READ THE LABEL BEFORE USING

GUARANTEE: MCPA 500 g/L  
(Present as Amine)

WARNING CONTAINS THE ALLERGEN SOY  
REGISTRATION NO: 29244  
PEST CONTROL PRODUCTS ACT

NETCONTENTS 10 litres



WARNING

POISON

Manufactured for:

Viterra Inc.  
2625 Victoria Avenue  
Regina, SK S4T 7T9  
For emergencies call: 1-877-943-2876

By:

Interprovincial Cooperative Limited  
P.O. Box 1050, Saskatoon, Saskatchewan S7K 3M9  
For Technical Support Call: 1-204-233-3461

## LABEL INDEX VITERRA MCPA AMINE 500 LIQUID HERBICIDE

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### SECTION 1

**Crop:** WHEAT, BARLEY, RYE, OATS

**Treatment Stage:**

Wheat, Barley, Spring Rye: Ground or air application. Treat from 4th leaf stage to just before the flag leaf (shot blade) stage.

Oats: Ground or air application. Oats may be treated from emergence. Use lowest rate on oats treated in the 3-6 leaf stage.

**NOTE: Do not treat cereals underseeded to legumes.**

**Susceptible Weeds:** Burdock, Cocklebur, Mustards (except Dog Mustard), Ragweed, Flixweed\*, Kochia, Lamb's-quarters, Russian Pigweed, Shepherd's Purse, Stinkweed.

*\*Flixweed susceptible only at seedling stage. Use rates for harder to kill weeds to kill fall germinated flixweed in the spring.*

**Rates to Use on Susceptible Weeds:**

Small seedlings, good growing conditions: 700 mL/ha

Weeds in bud, dry or cool conditions, heavy infestation: 1.1 L/ha

**Harder to Kill Weeds:** Annual Sow Thistle\*, Bluebur, Blue Lettuce\*, Canada Thistle\*, Peppergrass, Curled Dock, Dog Mustard, Goosefoot, Hempnettle (Suppression Only), Redroot Pigweed, Russian Thistle\*, Perennial Sow Thistle\*, Leafy Spurge\*.

*\*Top growth control only.*

**Rates to use on Harder to Kill Weeds:**

Small seedlings, good growing conditions: 1.25 L/ha

Weeds in bud, dry or cool conditions, heavy infestations: 1.75 L/ha

**NOTE: Rates above 1.1 L/ha may cause crop injury.**

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## SECTION 2

**Crop:** **FLAX (LINSEED) (Excluding low-linolenic acid varieties)**

**Treatment Stage:** Ground or air application. Treat after plants reach 5 cm in height and before budding.

**Susceptible Weeds:** Burdock, Cocklebur, Mustards (except Dog Mustard), Ragweed, Flixweed\*, Kochia, Lamb's-quarters, Russian Pigweed, Shepherd's Purse, Stinkweed.

*\*Flixweed susceptible only at seedling stage. Use rates for harder to kill weeds to kill fall germinated flixweed in the spring.*

### Rates to Use on Susceptible Weeds:

Small seedlings, good growing conditions: 700 mL/ha

Weeds in bud, adverse weather, heavy infestation: 1.1 L/ha

**NOTE:** Rates above 850 mL/ha may cause injury.

**GO TO SECTION 8**

## SECTION 3

**Crop:** **WINTER WHEAT, FALL RYE**

**Treatment Stage:** Ground or air application. Treat in Spring from time crop commences growth to flag leaf stage.

**NOTE:** 1. Do not treat crops underseeded to legumes.  
2. Doses above 500 mL/ha applied between the 3rd and 6th leaf **may** cause injury.

**Susceptible Weeds:** Burdock, Cocklebur, Mustards (except Dog Mustard), Ragweed, Flixweed\*, Kochia, Lamb's-quarters, Russian Pigweed, Shepherd's Purse, Stinkweed.

*\*Flixweed susceptible only at seedling stage. Use rates for harder to kill weeds to kill fall germinated flixweed in the spring.*

### Rates to Use on Susceptible Weeds:

Susceptible weeds, good growing conditions: 550 mL/ha

Weeds in bud, adverse conditions, heavy infestations: 1.1 L/ha

**GO TO SECTION 8**

## SECTION 4

**Crop:** **GRASS PASTURES (Established)**

**Treatment Stage:** Ground or air application. Treat in Spring or Fall (good growing conditions) for best results.

**Susceptible Weeds:** Bluebur, Cocklebur, Plaintain, Creeping Buttercup, Flixweed, Kochia, Horsetail, Lamb's-quarters, Mustards, Prickly Lettuce, Ragweed, Russian Pigweed, Shepherd's Purse, Stinkweed, Wild Radish.

**Rates to Use on Susceptible Weeds:** 2 L/ha

**Harder to Kill Weeds:** Blue Lettuce\*, Canada Thistle\*, Curled Dock, Dandelions, Dog Mustard, Goatsbeard, Goosefoot, Hempnettle (Suppression), Leafy Spurge, Peppergrass, Redroot Pigweed, Sow Thistle\*, Tumbleweed.

*\*Top Kill Only.*

**Rates to use on Harder to Kill Weeds:** 3.5 L/ha

**GO TO SECTION 8**

## SECTION 5

<b>Crop:</b>	CORN
<b>Treatment Stage:</b>	Ground Application ONLY. Treat before corn is 15 cm high.
<b>Susceptible Weeds:</b>	Controls Atrazine resistant and other susceptible broadleaf weeds. (See Section 1 for list of weeds.)
<b>Rates to Use:</b>	
Small seedlings, good growing conditions:	750 mL/ha
Larger weeds, adverse conditions, heavy infestation:	1.25 L/ha

**GO TO SECTION 8**

## SECTION 6

<b>Crop:</b>	PEAS, FIELD AND CANNING (Except Nova Scotia). Do not combine with Malathion.
<b>Treatment Stage:</b>	Spray when vine length is 10-20 cm. <b>DO NOT APPLY BY AIR.</b>
<b>Susceptible Weeds:</b>	Mustards (except Dog Mustard), Ragweed, Flixweed, Kochia, Lamb's-quarters, Russian Pigweed, Shepherd's Purse, Stinkweed.
<b>Rates to Use:</b>	
Small seedlings, good growing conditions:	330 mL/ha
Larger weeds, adverse conditions, heavy infestations:	550 mL/ha

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## SECTION 7

### Tank Mixes with Viterra MCPA Amine 500 Liquid Herbicide

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

<b>1. TANK MIX</b>	<b>Viterra MCPA Amine 500 Liquid Herbicide + Banvel® 480</b>
<b>Crop:</b>	<b>WHEAT, BARLEY</b>
<b>Treatment Stage:</b>	See MCPA and Banvel labels.
<b>Susceptible Weeds:</b>	Weeds susceptible to MCPA plus Canada and Sow Thistle, Wild Buckwheat, Green Smartweed, Cow Cockle, Hempnettle, Lady's-thumb.
<b>Rates to Use:</b>	
Wheat:	Viterra MCPA Amine 500 Liquid Herbicide
	+ Banvel® 480
	+ 290 mL/ha
Barley:	Viterra MCPA Amine 500 Liquid Herbicide
	+ Banvel® 480
	+ 230 mL/ha

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## 2. TANK MIX

### Viterra MCPA Amine 500 Liquid Herbicide + Linuron 480

**Crop:**

**WHEAT, OATS, BARLEY**

**Treatment Stage:**

Apply in the 3-4 leaf stage. Damage may occur if this combination is applied beyond the 4 leaf stage.

**Susceptible Weeds:**

MCPA susceptible broadleaf weeds **plus** Hempnettle, Chickweed, Buckwheat, Smartweed, Lady's-thumb.

**Rates to Use:**

Viterra MCPA Amine 500 Liquid Herbicide	1.1 L/ha
+ Linuron 480	+ 470-570 mL/ha

**GO TO SECTION 8**

## 3. TANK MIX

### Viterra MCPA Amine 500 Liquid Herbicide Plus TCA

**Crop:**

**OATS AND BARLEY**

**Treatment Stage:**

Apply at the 2-4 leaf stage. Do not apply to barley planted less than 5 cm deep.

**Susceptible Weeds:**

MCPA susceptible weeds plus Green Foxtail.

**Rates to Use:**

Viterra MCPA Amine 500 Liquid Herbicide	1.25 L/ha
+TCA on barley and sandy soil.	+ 1.1 kg/ha
Or on oats and heavier soil, use	or 2.25 kg/ha

**NOTE:** Use 110 litres of water per hectare. Add and dissolve TCA before mixing in MCPA.

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## 4. TANK MIX

### IN WESTERN CANADA ONLY

### Viterra MCPA Amine 500 Liquid Herbicide + Sencor® 500

**Crop:**

**SPRING BARLEY, SPRING WHEAT**

**Treatment Stage:**

After weeds emerge and crop is in the 3-5 leaf stage.

**Susceptible Weeds:**

MCPA susceptible weeds plus, Hempnettle, Chickweed, Volunteer Rape, Tartary Buckwheat.

**Rates to Use:**

Barley:	Viterra MCPA Amine 500 Liquid Herbicide	1 L/ha
	+ Sencor 500	+ 275-500 mL/ha
Wheat:	Viterra MCPA Amine 500 Liquid Herbicide	1 L/ha
	+ Sencor 500	+275-425 mL/ha

**GO TO SECTION 8**

## SECTION 8

### MIXING AND APPLICATION INSTRUCTIONS

1. Fill tank 1/2 full with water. Start agitation.
2. Add Viterra MCPA Amine 500 Liquid Herbicide. For tank mixes, add MCPA first (except when combining with TCA), then the second herbicide.
3. Complete filling of tank with water.
4. Use 100-240 litres of water per hectare for application by ground equipment unless otherwise specified.
5. Do not exceed 275 kPa pressure for ground application.

### Use Precautions for Aerial Application (to cereal crops, flax and established pastures):

1. Use special care in aerial application where damage from drift can be greater.
2. Avoid direct applications to any body of water. Do not contaminate water through spray drift or by cleaning of equipment or disposal of wastes.
3. A minimum volume of 30 L per hectare of spray solution should be used. Use boom pressure of 235 kPa or less. Avoid placing nozzles where spray will enter wing tip vortices.
4. Do not apply this product directly to, or otherwise permit it to come into direct contact with desirable crops or other desirable broadleaf plants or non-target species and do not permit spray mists to drift onto them.
5. Coarse sprays are less likely to drift. Use only nozzles or nozzle configuration which minimize the production of fine spray drops. Do not angle nozzles forward into the airstream and do not increase spray volume by increasing nozzle pressure. When spraying avoid combinations of pressures and nozzle type that will result in fine particles (mist) which are more likely to drift. A spray thickening agent or drift retardant may be used with this product to aid in reducing spray drift.
6. Do not use human flaggers.
7. Avoid spray drift: Apply only when there is little or no hazard from spray drift. Small quantities of the spray, which may not be visible, may seriously injure susceptible crops and damage sensitive non-target habitat. A method must be used to detect air movement, lapse conditions, or temperature inversions (stable air) such as the use of balloons or a continuous smoke column at or near the spray site or a smoke generator on the spray equipment. If the smoke develops into layers or indicates a potential for hazardous spray drift, do not spray. Do not spray in winds exceeding 8 km per hour.
8. Buffer zones: Appropriate buffer zones should be established between treatment areas and aquatic systems and treatment areas and significant wildlife habitat.

**GO TO SECTION 9**

## SECTION 9

### PRECAUTIONS:

1. KEEP OUT OF REACH OF CHILDREN.
2. Avoid contact with eyes, skin and clothing. May cause skin irritation.
3. Do not breathe spray mist or vapors. Avoid spray or vapor drifts onto susceptible plants such as grapes, tomatoes, tobacco, sugar beets, sunflowers, beans, turnips, cauliflower, cabbage, alfalfa, clover, peas, potatoes, ornamental trees, shrubs or flowers, fruit trees, lawns, most vegetable crops or other desirable vegetation.
4. Do not spray when there is any danger of wind or on exceptionally hot days over 27°C.
5. Drift from spray may be reduced by using high volume sprays under low pressure, coarse sprays, and drop nozzles where possible.
6. Do not contaminate any body of water. Avoid contamination of foods.
7. Do not use in a greenhouse.
8. Keep in original container during storage.
9. Do not store near seeds, feeds, fertilizers or pesticides used on crops sensitive to this product.
10. Clean spray equipment thoroughly after use and rinse with clean water. Do not use spray equipment to apply other pesticides to crops sensitive to this product. Do not re-use empty containers.
11. Allow 7 days between application of product and grazing/cutting for hay.
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](http://www.croplife.ca).

### RESISTANCE MANAGEMENT RECOMMENDATIONS:

For resistance management, Viterra MCPA Amine 500 Liquid Herbicide is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to MCPA Amine 500 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.

**To delay herbicide resistance:** Where possible, rotate the use of Viterro MCPA Amine 500 Liquid 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.

**GO TO SECTION 10**

## **SECTION 10**

### **FIRST AID:**

1. **If on skin or clothing**, remove contaminated clothing and wash skin thoroughly with soap and water.
2. **If in eyes**, flush with water IMMEDIATELY and continue for 15 minutes. Obtain medical attention or contact a poison control centre immediately IMMEDIATELY.
3. **If swallowed**, induce vomiting, then take patient to nearest hospital or doctor's office or contact a poison control centre IMMEDIATELY.
4. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**GO TO SECTION 11**

## **SECTION 11**

### **TOXICOLOGICAL INFORMATION:**

No specific antidote. Treatment of any systemic intoxication should be primarily symptomatic and supportive.

**GO TO SECTION 12**

## **SECTION 12**

### **DISPOSAL INFORMATION:**

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

### **NOTICE TO USER:**

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

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(Base Label)

Group	4	Herbicide
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# VITERRA

## MCPA AMINE 500

### LIQUID HERBICIDE

#### AGRICULTURAL

READ THE LABEL BEFORE USING

GUARANTEE: MCPA 500 g/L  
(Present as Amine)

REGISTRATION NO: 29244  
PEST CONTROL PRODUCTS ACT

NETCONTENTS 10 litres



WARNING

POISON

Manufactured for:

Viterra Inc.  
2625 Victoria Avenue  
Regina, SK S4T 7T9  
For Emergencies Call: 1-877-943-2876

By:  
Interprovincial Cooperative Limited  
P.O. Box 1050, Saskatoon, Saskatchewan S7K 3M9  
For Technical Support Call: 1-204-233-3461

**(Back Panel)**

**PRECAUTIONS:**

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3. Do not breathe spray mist or vapors. Avoid spray or vapor drifts onto susceptible plants such as grapes, tomatoes, tobacco, sugar beets, sunflowers, beans, turnips, cauliflower, cabbage, alfalfa, clover, peas, potatoes, ornamental trees, shrubs or flowers, fruit trees, lawns, most vegetable crops or other desirable vegetation.
4. Do not spray when there is any danger of wind or on exceptionally hot days over 27°C.
5. Drift from spray may be reduced by using high volume sprays under low pressure, coarse sprays, and drop nozzles. Use special care in airplane application where danger from drift is greater.
6. Do not contaminate any body of water. Avoid contamination of foods.
7. Do not use in a greenhouse.
8. Keep in original container during storage.
9. Do not store near or in same room as seeds, feeds, fertilizers or pesticides used on crops sensitive to this product.
10. Clean spray equipment thoroughly after use and rinse with clean water. Do not use spray equipment for other purposes. Do not re-use empty containers.
11. Allow 7 days between application of product and grazing/cutting for hay.
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](http://www.croplife.ca).
13. For aerial application, exercise special care: 1) Do not spray in winds exceeding 8 km per hour. 2) Do not spray in dead calm near sensitive plants. A cloud of suspended droplets may drift onto sensitive plants when the wind comes up. 3) Spray only when the wind is blowing away from a sensitive crop, shelter belt or garden.

**FIRST AID:**

1. **If on skin or clothing**, remove contaminated clothing and wash skin thoroughly with soap and water.
2. **If in eyes**, flush with water IMMEDIATELY and continue for 15 minutes. Obtain medical attention or contact a poison control centre IMMEDIATELY.
3. **If swallowed**, induce vomiting. Rush patient to nearest hospital or doctor's office or contact a poison control centre IMMEDIATELY.
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No specific antidote. Treatment of any systemic intoxication should be primarily symptomatic and supportive.

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