

VITERRA<sup>®</sup>

# Avert<sup>™</sup>

Herbicide

## AGRICULTURAL

### SUSPENSION

FOR SALE FOR USE IN PRAIRIE PROVINCES, PEACE RIVER REGION AND OKANAGAN VALLEY & CRESTON FLATS AREAS OF BRITISH COLUMBIA ONLY

### GUARANTEE:

Imazamethabenz-methyl ... 300 g ester/L  
(Contains 1,2-benzisothiazolin-3-one at 0.027% as a preservative)

### KEEP OUT OF REACH OF CHILDREN

### READ THE LABEL AND ENCLOSED BOOKLET BEFORE USING

REGISTRATION NO. 29618  
PEST CONTROL PRODUCTS ACT

GROUP	2	HERBICIDE
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WARNING - EYE IRRITANT

For product and use information contact:

Viterra,  
2625 Victoria Avenue,  
Regina, SK S4T 7T9  
1-800-569-4411

Registrant:  
Nufarm Agriculture Inc.  
5507 1st Street SE  
Calgary, Alberta T2H 1H9

24 Hour Emergency Response Number  
1-800-424-9300

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**PRECAUTIONS:**

KEEP OUT OF REACH OF CHILDREN. MAY BE HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN. DO NOT CONTAMINATE FOOD OR FEED PRODUCTS. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING VAPOUR OR SPRAY MIST. Causes eye irritation. May cause skin irritation. Use with adequate ventilation. Wear dust and/or splash-proof goggles or face shield and gloves when handling. Wash thoroughly with soap and water after handling. Wash all protective clothing separately from normal laundry in detergent and hot water before reuse. Wash protective eye wear upon removal with soapy water.

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).

**FIRST AID:**

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Have a 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 on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

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

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

**TOXICOLOGICAL INFORMATION:**

Treat symptomatically.

**STORAGE:**

Keep containers closed to avoid spills and contamination. DO NOT mix or store in unlined containers. DO NOT contaminate any body of water by cleaning of equipment or disposal of wastes. Store between 0° - 35° C. DO NOT freeze. Shake well before using.

**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 Returnable-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.

#### **EMERGENCY TELEPHONE NUMBERS:**

For spills or transportation accidents, Chemtrec, 1-800-424-9300.

For health or environmental emergencies, Prozar, 1-877-325-1840.

For product and use information, Viterra Inc., 1-800-569-4411.

#### **WARNINGS:**

- DO NOT APPLY BY AIR. APPLY WITH GROUND EQUIPMENT ONLY.
- DO NOT make more than one application of AVERT Herbicide per growing season.
- DO NOT apply to the same field in two successive years.
- DO NOT spray AVERT Herbicide if rain is predicted within 6 hours.
- DO NOT spray AVERT Herbicide when freezing temperatures are forecast.
- DO NOT graze treated fields or cut treated forage for silage or hay; sufficient data are not available to support such use. (Barley, wheat grain or straw from fields treated with AVERT Herbicide can be fed to livestock.)
- AVOID APPLICATION OF AVERT HERBICIDE WITHIN 15 METERS OF WATER BODIES.

#### **MIXING:**

Fill the spray tank 3/4 full with clean water. Add 1 package of Spray Water pH Adjuster per jug of AVERT Herbicide to your tank water before adding AVERT Herbicide. Shake AVERT Herbicide well, then add required quantity of AVERT Herbicide while agitating. When AVERT Herbicide is thoroughly mixed fill remainder of tank with water while agitating. To ensure thorough mixing circulate the spray mixture in the tank for 5 minutes before spraying begins.

#### **INSTRUCTIONS FOR TANK-MIXING:**

(2,4-D, MCPA Ester, ATTAIN®, CURTAIL® M, ESTAPROP®, EXPRESS® PACK

(EXPRESS + 2,4-D LV 700), PRESTIGE®, PUMA 120 SUPER HERBICIDE, REFINE® EXTRA, TURBOPROP® 600, UNITY®, SPECTRUM®, FRONTLINE®, or TROPHY® or INFINITY®):

Fill tank one-half to three-quarters full with clean water and start agitating.

If mixing with EXPRESS PACK, REFINE EXTRA or UNITY 75 WG, add the EXPRESS PACK, REFINE EXTRA or UNITY 75 WG to tank water now and agitate, mixing thoroughly.

Add 1 package of Spray Water pH Adjuster per jug of AVERT Herbicide to your tank water and agitate until dissolved.

Add AVERT Herbicide first to the partially filled tank while agitating.

If using PUMA 120 SUPER, or one of the following: MCPA Ester, 2,4-D Ester, ATTAIN, ESTAPROP, TURBOPROP 600, CURTAIL M, UNITY 280 EC, PRESTIGE, SPECTRUM, FRONTLINE, or TROPHY or INFINITY in the tankmix, add now when tank is three-quarters filled while agitating.

Fill tank and agitate, or, recycle for at least five minutes before spraying to ensure thorough mixing.

**Continue agitation until spraying is completed.**

**MIXING NOTE:** AVERT Herbicide and the dry flowable herbicides, REFINE EXTRA, EXPRESS PACK or UNITY 75 WG

When tank-mixing one of the above dry flowable herbicides with AVERT Herbicide, make sure the dry flowable is thoroughly dissolved in the water before adding AVERT Herbicide. On repeated tank-loads, if any tank-mix solution remains in the tank, prepare a dry flowable/water slurry and add it to the required water volume in the spray tank prior to adding AVERT Herbicide.

**SPRAYER INFORMATION:**

- Flat fan spray tips are recommended.
- Pressure at nozzle tips should be 275 kPa, lower pressures may result in poor control.
- Wash sprayer after spraying.

**FOLLOW CROP RESTRICTIONS:**

Rotation to the following crops can be made the year following application of AVERT Herbicide:

Black and grey wooded soil zones: spring wheat, durum wheat, barley, sunflower, canola, flax, peas.

Brown and dark brown soil zones: spring wheat, durum wheat, barley, sunflower, imazethapyr tolerant canola (e.g. canola varieties with the SMART® trait).

Two years after the application of AVERT Herbicide the following crops can be grown in all soil zones: spring wheat, durum wheat, barley, sunflower, peas, canola, flax, oats, canary grass.

To assess potential damage to crops not listed above for your soil zone, conduct a field bioassay (a test strip grown to maturity) the year before planting any crop.

The following crops have been observed to be particularly sensitive to AVERT Herbicide residues in the soil:

Lentils, sugarbeets

The additive effect of soil residues from the use of AVERT Herbicide and ALLY®, CURTAIL M, UNITY or PRESTIGE herbicides on the same land has not been determined. Crop rotation guidelines and minimum rotation intervals are not known and injury to rotational crops other than wheat (excluding durum) may occur. Wherever land will be treated with AVERT Herbicide and has been or will be treated with ALLY, CURTAIL M, UNITY or PRESTIGE herbicide, plant only wheat (excluding durum) after both herbicides have been used until a bioassay (see the Bioassay statement on the ALLY, CURTAIL M, UNITY or PRESTIGE label) demonstrates that other crops can be successfully grown.

#### **DIRECTIONS FOR USE IN CEREALS:**

##### **PRAIRIE PROVINCES and PEACE RIVER REGION OF BRITISH COLUMBIA ONLY**

AVERT Herbicide, a selective postemergence herbicide for use in cereals, is absorbed through the foliage and roots of wild oat plants and other susceptible weeds. Susceptible plants stop growing soon after spray application. Obvious signs of plant death may not be seen in some plants until 2 weeks later but the competitive effect of these plants will have been removed. Death may not occur for several weeks.

#### **WILD OAT CONTROL**

AVERT Herbicide used alone and in combination should only be applied when the majority of WILD OAT plants are at the 1 - 4 leaf stage of growth.

#### **BROADLEAF WEED CONTROL**

AVERT Herbicide used alone and applied at the cotyledon to six (6) leaf stage of weed growth will control:

Wild mustard  
Stinkweed

AVERT Herbicide used alone and applied at the cotyledon to four (4) leaf stage of weed growth provides partial control of and reduces competition from:

Wild buckwheat  
Tartary buckwheat  
Volunteer canola (EXCEPT imazethapyr tolerant varieties, i.e., varieties with the SMART® trait.)

## CROPS

AVERT Herbicide may be used either alone or in tank-mix combinations on:

- Spring wheat, durum wheat.
- Spring barley.

AVERT Herbicide may cause initial yellowing and temporary stunting on durum wheat but the crop will recover under normal growing conditions and yield will not be affected. Application can be made up to and including the 6-leaf stage of the crop (before the flag leaf).

## RATES:

### GROUND APPLICATION:

#### Spring wheat, durum wheat and spring barley

#### 1 to 4 leaf stage of wild oats:

Apply 1.3 litres of AVERT Herbicide (400 g active) in 50 - 100 litres spray per hectare if majority of wild oats are in the 1-3 leaf stage.

Use 1.6 litres of AVERT Herbicide (500 g active) if wild oats are in 4 leaf stage.

### TANK-MIXES:

#### Spring wheat, durum wheat and spring barley

For fields which contain weeds other than those listed under AVERT Herbicide alone, tankmixing may be required to provide broad spectrum weed control. Use ONLY those broadleaf herbicides listed below.

In order to ensure optimum herbicide broadleaf weed control, follow the label recommendations of the herbicide to be used with AVERT Herbicide. Follow the most restrictive precautions, directions, and recropping/rotation limitations that appear on both product labels.

Select the proper AVERT Herbicide application rate given on this label.

READ AND OBSERVE ALL RATES, TIMINGS, MIXING INSTRUCTIONS, PRECAUTIONS AND RESTRICTIONS ON THE LABEL OF THE TANK-MIX PARTNER.		
TANKMIX PARTNER	RATE	NOTES:
2,4-D ester or MCPA ester	up to 560 g active ingredient/ha	<b>For use on spring wheat, durum wheat and barley.</b> Apply only after the 4 leaf stage of the crop to avoid crop injury.
ATTAIN A + ATTAIN B	0.6 L/ha + 1.0 L/ha	<b>For use on spring wheat (including durum) and barley only.</b> Apply only after the 4 leaf stage of crop to avoid crop injury.
INFINITY	0.83 L/ha	<b>For use on spring wheat, durum wheat and spring barley only.</b> Apply from the 2 to 6 leaf stage of the crop.
CURTAIL M	2 L/ha	<b>For use on spring wheat, durum wheat and spring barley only.</b> Apply from the 4 to 6 leaf stage of the crop.

ESTAPROP	1.75 L/ha	<b>For use on spring wheat, durum wheat, and spring barley only.</b> Apply only after the 4 leaf stage of crop to avoid crop injury.
EXPRESS PACK: EXPRESS + 2,4-D LV 700	10 g/ha + 0.6 L/ha	<b>For use on spring wheat, durum wheat, and spring barley only.</b> Apply when crop is in the full 3-leaf stage.
PRESTIGE: PRESTIGE A + PRESTIGE B	0.8 L/ha + 2 L/ha	<b>For use on spring wheat (including durum) and barley.</b> Apply from the 3 to 6 leaf stage of the crop.
REFINE EXTRA	20 g/ha	<b>For use on spring wheat, durum wheat and spring barley only.</b> Apply from the 2 to 6 leaf stage of the crop. Use the spray preparation within 12 hours or product degradation may occur.
REFINE EXTRA plus MCPA ester	20 g/ha + 350 - 560 g active ingredient/ha	<b>For use on spring wheat, durum wheat and spring barley only.</b> Apply from the 4 to 6 leaf stage of the crop. Use the spray preparation within 12 hours or product degradation may occur.
TURBOPROP 600	1.75 L/ha	<b>For use on spring wheat, durum wheat.</b> Apply only after the 4 leaf stage of the crop to avoid crop injury.
UNITY 75 WG + UNITY 280 EC	11 g/ha + 0.5 L/ha	<b>For use on spring wheat, durum wheat and spring barley only.</b> Apply at the 2 to 6 leaf stage of the crop for control of wild oats, wild buckwheat, wild mustard, stinkweed, volunteer canola including imazethapyr-tolerant canola (rapeseed), lady's thumb, green smartweed, redroot pigweed, lamb's-quarters and shepherd's purse. NOTE: Control of additional weeds listed on the UNITY label, such as cleavers and chickweed, may be reduced relative to UNITY applied alone.
SPECTRUM: SPECTRUM A + SPECTRUM B + ACIDULATE	0.1 L/ha + 1.5 L/ha + 0.25 % v/v	<b>For use on spring wheat (including durum) and barley only.</b> Apply from the 2 to 6 leaf stage of the crop.
FRONTLINE: FRONTLINE A + FRONTLINE B + ACIDULATE	0.1 L/ha + 0.84 L/ha + 0.25 % v/v	<b>For use on spring wheat (including durum) and barley only.</b> Apply from the 2 to 6 leaf stage of the crop.
TROPHY: TROPHY A + TROPHY B + ACIDULATE	0.6 L/ha + 1.12 L/ha + 0.25% w/w	<b>For use on spring wheat (including durum) and barley only.</b> Apply from the 2 to 4 leaf stage of the crop.
<p><b>RATES OF AVERT HERBICIDE WITH THESE TANKMIXES:</b>  Black and grey wooded soil zones: tank-mix 1.6 L (500 g a.i.) AVERT Herbicide per hectare.  Brown and dark brown soil zones: tank-mix 1.3 L (400 g a.i.) AVERT Herbicide per hectare if the majority of wild oats are in the 1-3 leaf stage; 1.6 L (500 g a.i.) AVERT Herbicide per hectare if wild oats are in the 4-leaf stage.  Use a spray volume of 50 - 100 L/ha for tankmix combinations of AVERT Herbicide plus ESTAPROP or AVERT Herbicide plus 2,4-D ester or MCPA ester. Use a spray volume of 100 L/ha for tank-mix combinations of AVERT Herbicide plus ATTAIN, REFINE EXTRA, or REFINE EXTRA plus MCPA ester, or EXPRESS PACK, or CURTAIL M, UNITY, PRESTIGE, TURBOPROP 600, SPECTRUM, FRONTLINE, or TROPHY or INFINITY.</p>		

For the additional control of green foxtail, tank mix with PUMA 120 SUPER HERBICIDE as shown in the table below. Apply at the 1 - 6 leaf stage of the weed and when weeds are actively growing.

Refer to the PUMA 120 SUPER HERBICIDE label for additional recommendations, precautions and restrictions.

TANKMIX PARTNER	RATE	NOTES:
PUMA 120 SUPER HERBICIDE (120 g/L)	0.29 L/ha (35 g a.i./ha)	<b>For use on spring wheat and durum wheat only.</b> Application can be made from the 2-leaf stage up to and including the 6-leaf stage of the crop.
PUMA 120 SUPER HERBICIDE (120 g/L)	0.29 L/ha (35 g a.i./ha)	<b>For use on barley only.</b> Application can be made from the 2-leaf stage up to and including the 6-leaf stage of the crop.
PUMA 120 SUPER HERBICIDE + MCPA Ester	0.29 L/ha (35 g a.i./ha) + 420 g a.i./ha	<b>For use on spring wheat, durum wheat and barley.</b> Apply only after the 4-leaf stage of the crop to avoid crop injury, up to and including the 6-leaf stage of the crop.
PUMA 120 SUPER HERBICIDE + REFINE EXTRA	0.29 L/ha (35 g a.i./ha) + 15 g a.i./ha	<b>For use on spring wheat, durum wheat and barley.</b> Application can be made from the 2-leaf stage up to and including the 6-leaf stage of the crop. Use the spray preparation within 12 hours or product degradation may occur.
<b>RATE OF AVERT HERBICIDE FOR TANKMIXING WITH PUMA 120 SUPER HERBICIDE:</b> All soil zones: tankmix 1.3 L (400 g a.i.) AVERT Herbicide per hectare. Apply the tankmix combination at the rate of 100 litres spray per hectare.		

## FOR USE IN THE OKANAGAN VALLEY AND CRESTON FLATS AREAS OF BRITISH COLUMBIA

CROP	PEST	RATE	DIRECTIONS:
Spring wheat and barley	Wild oats	1.3 L/ha (400 g a.i./ha)	One application per year; post-emergent; ground application; apply when the majority of wild oat plants are in the 1-3 leaf stage; use 1.6 L/ha (500 g a.i./ha) when the wild oats are in the 4 leaf stage.

### DIRECTIONS FOR USE IN SUNFLOWERS: (PRAIRIE PROVINCES ONLY)

AVERT Herbicide, a selective postemergence herbicide for use in sunflowers is absorbed through the foliage and roots of wild mustard and stinkweed plants. Susceptible plants stop growing soon after spray application. Obvious signs of plant death may not be seen in some plants until 2 weeks later but the competitive effect of these plants will have been removed. Death may not occur for several weeks.

### WILD MUSTARD AND STINKWEED CONTROL:

Apply AVERT Herbicide alone at the cotyledon to 6 leaf stage of growth of wild mustard or stinkweed.

**CROP:**

AVERT Herbicide can be applied to sunflowers not under drought stress, from the 2 - 8 leaf stage of growth (sunflowers must be less than 38 cm high for regular varieties and less than 30 cm high for semi-dwarf varieties, and less than 10 cm for dwarf varieties).

Crop injury in the form of head deformation and stunting can occur from applications made after the 8 leaf stage.

**RATES:**

AVERT Herbicide should be applied at 0.85 litres of product (250 grams active) in 100 litres spray per hectare when the sunflowers are in the 2 - 8 leaf stage.

**DIRECTIONS FOR USE IN ANNUAL RYEGRASS GROWN FOR SEED:**

AVERT Herbicide can be applied to annual ryegrass grown for seed, from the 4 to 6 leaf stage of the crop.

**RATES:**

AVERT Herbicide should be applied at 1.3 to 1.6 L/ha (390 to 480 g a.i./ha) in 100 litres of spray solution per hectare. Only one application of AVERT Herbicide to annual ryegrass grown for seed is permitted per year.

Do not use the seed or hay for feed or forage.

**RESISTANCE-MANAGEMENT RECOMMENDATIONS:**

For resistance management, AVERT Herbicide is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to AVERT 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 AVERT Herbicide or other Group 2 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 Nufarm Agriculture Inc. at 1-800-868-5444 or at [www.nufarm.ca](http://www.nufarm.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. The user assumes the risk to persons or property that arises from any such use of this product.

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