

Datapak

SIMAZINE 480  
HERBICIDE

COMMERCIAL



CAUTION POISON

READ THE LABEL AND ATTACHED BOOKLET BEFORE  
USING  
KEEP OUT OF REACH OF CHILDREN

GUARANTEE: Simazine Plus Related Actives 480 g/L  
Contains 1,2-benzisothiazolin-3-one at 0.010% as a preservative.

REGISTRATION NO. 23181  
PEST CONTROL PRODUCTS ACT

NET CONTENTS: 9.46 L

UNITED AGRI PRODUCTS CANADA INC.  
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Dorchester, Ontario  
N0L 1G5  
1-800-265-4624

08/08

## **GENERAL PRECAUTIONS**

### **KEEP OUT OF REACH OF CHILDREN.**

Harmful if swallowed. Avoid contact with eyes or prolonged contact with skin. Wear coveralls when applying the product. Wear coveralls and chemical-resistant gloves during mixing/loading operations, when servicing the sprayer and during cleanup. Avoid inhalation of vapours or spray mist and prevent contamination of food and feed. Do not apply, or allow drift to desirable vegetation. Do not contaminate domestic or irrigation water supplies, lakes, streams and ponds. Do not allow material to freeze.

### **RESISTANCE MANAGEMENT RECOMMENDATIONS:**

For resistance management, SIMAZINE 480 Herbicide is a Group 5 herbicide. Any weed population may contain or develop plants naturally resistant to SIMAZINE 480 Herbicide and other Group 5 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 SIMAZINE 480 Herbicide or other Group 5 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, 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 Technical Service at 1-800-265-4624 or at [www.uap.ca](http://www.uap.ca).

### **FIRST AID**

**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 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 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.

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

### **TOXICOLOGICAL INFORMATION**

If SIMAZINE is ingested accidentally, there is no specific antidote. Induce emesis, lavage stomach. Treat symptomatically.

### **DIRECTIONS FOR USE**

For weed control in certain fruit crops, Asparagus, Ornamentals, Shelter belts and corn.

### **GENERAL DIRECTIONS**

Weeds controlled: SIMAZINE controls the following weeds:

**Broadleaves:** Lady's Thumb, Lamb's quarters, Purslane, Ragweed, Volunteer clovers, Wild buckwheat, Smartweed.

**Annual Grasses:** Barnyard grass, Crabgrass, Wild oats, Yellow foxtail. SIMAZINE will also control most perennial species starting freshly from seed.

**Mixing:** Mix by adding the recommended amount of SIMAZINE to the spray tank while filling with clean water. Gentle agitation is required during mixing and spraying.

**Spraying:** Spray at pressures of 200-300 kPa. Use nozzle screens of 50 mesh size or larger. Keep SIMAZINE mixture well agitated and spray evenly to cover the surface to be treated. After any break in the spraying operations, agitate thoroughly. After using, wash sprayer thoroughly with clean water.

### **PRECAUTIONS**

SIMAZINE is a residual herbicide. Use the lower rates for coarse, sandy soil and the higher rates for clay soils and soil high in organic matter. After spraying with SIMAZINE do not plant any crop in the treated area in the same year except corn. Sugar beets are sensitive to SIMAZINE and should not be planted on land treated with SIMAZINE the previous year, if rotation is planned for the following year.

Observe these precautions:

1. Where rates in excess of 3.65 L/ha have been applied, do not plant rotational crops the following year.
2. Thorough tillage, including ploughing the land flat as opposed to setting the furrow on edge, should precede the planting of any rotational crop.
3. Uneven application of SIMAZINE may result in injury to succeeding crops.
4. When extended periods of dry weather occur during the year of treatment, there can be some injury to such succeeding crops as white beans, onions, peas,

- tomatoes, and turnips. Injury is most likely to occur when the seedling crop is subjected to periods of stress, eg: during periods of abnormally hot, dry weather. When the directions outlined on this label are followed, injury to these crops is unlikely to occur under normal weather conditions.
5. Where rainfall is sufficient to cause erosion, soil containing SIMAZINE may wash to lower areas of land and injure existing or subsequent crops.
  6. Do not graze, or cut for fodder, treated immature crops (In the case of corn, immature means before ear emergence). There are not sufficient data available to support such use. See other cautions for specific crops.
  7. DO NOT APPLY BY AIR.

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 website at: [www.croplife.ca](http://www.croplife.ca).

### **SPECIFIC CROPS**

**APPLES AND PEARS:** Bearing and non-bearing: Trees established one year or more. Apply 4.7-9.4 L in 300 L of water/ha prior to weed emergence in the spring. If weeds have emerged, hoe or cultivate prior to treatment.

**LOGANBERRY:** Established plantings only: Apply 7-11.2 L in 300 L of water/ha at base of canes in early spring prior to new cane growth.

**RASPBERRIES:** (Red) Established plantings only: Apply 3.8-4.7 L in 300 L of water/ha at base of canes in early spring. Do not spray young shoots.

**GRAPES:** Eastern Canada only. Only for vineyards established 3 years or more. Broadcast 7.5-9.4 L in 300 L of water/ha in fall or early spring prior to weed emergence. On light soils use 7.5 L/ha. On clay soils or soils high in organic matter use 9.4 L/ha.

**ASPARAGUS:** Established plantings only. Apply 4.7-7 L in 300 L of water/ha after discing in spring prior to weed and spear emergence and at least 7 days before first cutting. A second application may be applied after harvest completion if weeds are removed. Do not apply during cutting season.

**WOODY ORNAMENTALS and NURSERY STOCK:** Established one year or more. To control germinating weeds in Cedar (Arbor Vitae, Thuja spp.) Barberry, Apple (non-bearing), Flowering crabapple (Malus spp.) Boxwood, Cotoneaster, Dogwood, Holly, Rose, Yews (Taxus spp.), Chamaecyparis, Hemlock, Juniper, Multiflora rose, Peony, Blue spruce, Norway spruce, Red spruce, White spruce, Mugho pine, Black walnut, White ash. Apply 4.7-7 L in 300 L of water/ha in the fall or spring prior to weed emergence. Rainfall is required to move the chemical into the root zone. If weeds have emerged, hoe or cultivate before application.

Apply before buds break in spring. Apply as a directed spray only. Avoid spray contact with desired woody ornamental and nursery stock. Use 4.7 L for sandy or low organic matter soils. Use 7 L for clay or high organic matter soils.

**NOTE:** Do not use treated areas for nursery seed beds or cutting beds for at least 12 months after treatment. If application was uneven, or, if rates in excess of those recommended have been applied, a longer period should elapse before such use.

**SHELTER BELTS:** Established one growing season or more: Caragana, Green ash, Siberian elm, American elm, and Boxelder maple. Apply 9.4-14 L in 500 L of water/ha before weeds emerge. Apply in fall or early spring. Use as a directed spray only. Avoid spray contact with desired species. Injury may occur to trees grown in saline soils. Rainfall is required to move the chemical into the root zone.

**CORN:** Soil Preparation: As SIMAZINE is a residual herbicide even coverage of the soil surface is essential for good weed control. SIMAZINE should be applied to a firm, level seedbed. If the seedbed is rough or cloddy roll or cultipack before spraying.

**Cultivations:** SIMAZINE requires rainfall to be activated. If some seedlings escape the treatment in dry weather, a shallow cultivation may be necessary.

**Time of Application:** Apply SIMAZINE immediately after seeding, prior to weed emergence and not later than 3-4 days after seeding. SIMAZINE may also be applied one week before seeding and incorporated to a depth of 2.5 cm.

**Mixing Instructions:** Follow mixing instructions with water as outlined above.

APPLICATION RATE PER HECTARE	Soil Type	Overall Spray
	Light and Sandy	3.4-4.7 L
	Loam and Clay	4.7-8.3 L

**NOTE:** Where grass weeds predominate, use the 8.3 L rate

**NOTE TO USER:**

READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS:

The DIRECTIONS FOR USE for this product for the use(s) described below were developed by persons other than United Agri Products Canada Inc. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. United Agri Products Canada Inc. itself makes no representation or warranty with respect to performance (efficacy) or crop tolerance (phytotoxicity) claims for this product when used on the crop(s) listed below.

Accordingly, the Buyer and User assume all risks related to performance and crop tolerance arising, and agree to hold United Agri Products Canada Inc. harmless from any claims based on efficacy or phytotoxicity in connection with the use(s) described below.

**DIRECTIONS FOR USE****Established conifers for field production**

<b>Pest</b>	<b>When to Apply</b>	<b>Rate</b>	<b>Remarks</b>
All weeds listed on the labels of Simazine 480, Dual Magnum Herbicide or Dual II Magnum Herbicide	Pre-emergent or early post emergent (before 2-leaf stage) to weeds	4.7-7.0 L Simazine + 1.25-1.75 L Dual Magnum or Dual II Magnum Herbicide tank mix in 150 L of water per hectare	The lower rate (4.7 L/ha) of Simazine for use in sandy or low organic matter soils and 7.0 L/ha for use in clay or high organic matter soils  Higher rate of Dual Magnum or Dual II Magnum Herbicide for use with heavier weed infections  One ground application per year

**INDUSTRIAL****For total Weed Control and Bare Ground Maintenance on Non-Crop Land.**

Used as directed SIMAZINE kills and prevents regrowth of most annual and perennial broadleaf weeds and grasses that are found on non-cropped land. It is taken up by weeds through the roots. Rainfall assists in moving the chemical to the root zone, and its absence may delay the effect on weeds, especially where soil is dry at application. Being active through the roots only, SIMAZINE presents very little spray drift hazard to standing crops or ornamentals. Movement of SIMAZINE in the soil is negligible: damage to nearby shrubs and trees is unlikely: crops and flowers will not be affected unless their roots spread into the treated area. After the effect of SIMAZINE has worn off, treated land may be planted with trees, ornamentals or other plants. Heavy rain, falling before SIMAZINE has penetrated into the ground after spraying, may wash the chemical off the surface of the soil. This risk is normally limited to sloping ground. SIMAZINE is non-corrosive, non-flammable and has low electrical conductivity.

SIMAZINE is for liquid spray application only. Add the required rate of SIMAZINE to

the spray tank during filling with water. Provide gentle agitation during mixing and spraying, and especially after any break in spray operations, to ensure that the material is in suspension. Foaming, which is due to excessive agitation, may be eliminated by the addition of kerosene, diesel fuel, fuel oil or other similar materials at about 500 mL per 1000 L of spray. More may be required in very low volume spraying. Silicon antifoam agents may also be used. Apply with an efficient sprayer to obtain an even cover of the land. Do not use nozzle screens finer than 50 mesh size.

Rates of Application vary with the type of weeds to be controlled, as specified below. The higher rates should give protection for two seasons, especially under dry conditions.

	Per Hectare	mL per 100 m <sup>2</sup>
Annual weeds and perennial seedings	23.5 L	235 mL
Light growth of shallow-rooted perennials	36.5 L	365 mL
Well established perennials	47 L	470 mL

For fall application in Eastern Canada 36.5 L/ha (365 mL/100 sq m) is normally adequate to control weeds.

Spot Treatment for Total Vegetation Control: Use 47-57 mL of SIMAZINE in 5-10 L of water and apply to 10 sq m of infested area. This treatment will control most annual and perennial weeds and grasses.

**Timing of Application** depends on soil moisture and the type of weeds. SIMAZINE applied before or during weed emergence makes best use of available rainfall and leaves behind less unsightly and inflammable remains of dead weeds.

LOCATION	PERENNIAL WEEDS	ANNUAL WEEDS
Coastal, B.C.	January to March	January to March
Prairies, Interior B.C., Ontario Lakehead area	August – freeze up	
Ontario, Quebec	Mid-Sept freeze up OR Spring thaw – end May	Spring thaw – end June
Maritime Provinces	October freeze up OR Spring thaw – early June	Spring thaw – end June

When soil moisture is plentiful, spring treatments in Eastern Canada can be extended for a further month.

**Volume of Spray:** The recommended rates of SIMAZINE should be applied uniformly in 250-2000 L of water/ha (5-50 L/100 sq m). See note below. Use the higher volume where old vegetation is dense or obstructions frequent.

NOTES: Some weeds such as Horsetail, Milkweed and Sedges may require more than one treatment to give effective control. Do not spray when ground is frozen or covered with snow. Higher than normal doses may be required on cinders and surfaces rich in organic matter. After using, wash sprayer thoroughly with clean water.

**DISPOSAL**

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the 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 the clean-up of spills.

**NOTICE TO USER:** This pest control product is to be used only in accordance with the directions on this 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.