



2008-1046  
06-OCT-2008

GROUP	<b>5</b>	HERBICIDE
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# CONVERGE 480 HERBICIDE

SUSPENSION

FOR SELECTIVE WEED CONTROL IN FIELD CORN

DO NOT USE IN THE PROVINCE OF BRITISH COLUMBIA

AGRICULTURAL

**GUARANTEE:**

Atrazine and related triazines ..... 480 g/L

Contains 1,2-benzisothiazolin-3-one at 0.019% as a preservative

REGISTRATION NO. 26277  
PEST CONTROL PRODUCTS ACT

KEEP OUT OF REACH OF CHILDREN

**READ THE LABEL AND ATTACHED BOOKLET BEFORE USING**

**Product Information:** 1-888-283-6847

**Bayer CropScience Inc.**  
Suite 100, 3131 114<sup>th</sup> Ave. SE  
Calgary, Alberta T2Z 3X2

**IN CASE OF SPILLS, POISONING OR FIRE, TELEPHONE EMERGENCY  
RESPONSE NUMBER 1-800-334-7577 (24 hours a day)**

**NET CONTENTS:**  
8.85 L – Bulk

## **PRECAUTIONS:**

**KEEP OUT OF REACH OF CHILDREN.** Harmful if swallowed. May cause eye irritation. Avoid contact with eyes or prolonged contact with skin. Avoid inhalation of vapours or spray mist. Wear freshly laundered clothes daily. During mixing and loading and otherwise handling the concentrate, wear a face shield in addition to chemical-resistant gloves, coveralls over a long-sleeved shirt and long pants, and shoes and socks. Wash the outside of the gloves before removing. Wash splashes from skin and eyes **IMMEDIATELY** with plenty of water. During application, cleanup and repair activities, wear chemical-resistant gloves and coveralls over a long-sleeved shirt and long pants, and shoes and socks. Wear chemical-resistant gloves if contact with spray nozzles is necessary. Avoid working in spray mist. Avoid all drift or contact with other vegetation. After spraying, wash hands and shower thoroughly with soap and water. While using product, do not eat, drink or use tobacco (including smoking). Wash hands and exposed skin with soap and water thoroughly before eating, drinking, smoking, applying cosmetics or using the toilet. Store and wash all protective clothing separately from household laundry. Wear freshly laundered clothes daily. Do not wear contaminated shoes. Wash in detergent and hot water before reuse. Keep product away from food, drink and animal feed. Store product in original container, tightly closed, and in a safe place.

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).

## **ENVIRONMENTAL HAZARDS:**

Avoid over-spray or drift to sensitive aquatic habitats. An appropriate buffer zone is required between the downwind point of direct application and the closest edge of sensitive aquatic habitats including sloughs, coulees, ponds, prairie potholes, lakes, rivers, streams, reservoirs, and wetlands that are situated on the periphery of the treated area. Do not apply during periods of dead calm or when winds are gusty. Do not apply this product through any type of irrigation system. **USE ONLY ON LABELLED CROPS.**

Toxic to non-target terrestrial plants and aquatic organisms. Observe the buffer zones and precautionary measures specified under Directions for Use.

Atrazine is persistent and will carry over. It is recommended that any products containing atrazine not be used in areas treated with this product during the previous season.

### **Surface Runoff**

To reduce runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before treatment. Site characteristics and conditions that may lead to runoff include, but are not limited to, heavy rainfall, moderate to steep slope, bare soil and poorly draining soil (e.g., soils that are compacted, fine textured or low in organic matter such as clay).

Avoid applying this product when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip (buffer zone) between the treated area and the edge of the water body.

### **Leaching**

The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g., sand, loamy sand and sandy loam soils) and/or the depth to the water table is shallow.

Avoid applying this product when heavy rain is forecast.

### **DO NOT APPLY BY AIR**

Bulk sites must be diked around and under the bulk tank with an impermeable non-earthen dike. The dike must be large enough to hold and contain 110 percent of the capacity of the largest tank.

**CAUTION:** Do not graze treated immature crops or cut for fodder. In the case of corn, immature means before ear emergence. Sufficient data are not available to support such use. Do not harvest within 60 days of application on field corn.

### **FIRST AID:**

**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 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.

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

### **TOXICOLOGICAL INFORMATION:**

Treat symptomatically. When large amounts have been ingested, gastric lavage may be required.

### **DECONTAMINATION AND DISPOSAL:**

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.

## **CONTAINER DISPOSAL OR REFILLING:**

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

**Refillable Container Disposal:** For disposal, this empty 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.

**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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# **CONVERGE 480**

## **HERBICIDE**

SUSPENSION

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**AGRICULTURAL**

**GUARANTEE:**

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## **PRECAUTIONS:**

KEEP OUT OF REACH OF CHILDREN. Harmful if swallowed. May cause eye irritation. Avoid contact with eyes or prolonged contact with skin. Avoid inhalation of vapours or spray mist. Wear freshly laundered clothes daily. During mixing and loading and otherwise handling the concentrate, wear a face shield in addition to chemical-resistant gloves, coveralls over a long-sleeved shirt and long pants, and shoes and socks. Wash the outside of the gloves before removing. Wash splashes from skin and eyes IMMEDIATELY with plenty of water. During application, cleanup and repair activities, wear chemical-resistant gloves and coveralls over a long-sleeved shirt and long pants, and shoes and socks. Wear chemical-resistant gloves if contact with spray nozzles is necessary. Avoid working in spray mist. Avoid all drift or contact with other vegetation. After spraying, wash hands and shower thoroughly with soap and water. While using product, do not eat, drink or using tobacco (including smoking). Wash hands and exposed skin with soap and water thoroughly before eating, drinking, smoking, applying cosmetics or using the toilet. Store and wash all protective clothing separately from household laundry. Wear freshly laundered clothes daily. Do not wear contaminated shoes. Wash in detergent and hot water before reuse. Keep product away from food, drink and animal feed. Store product in original container, tightly closed, and in a safe place. Mixing and loading is not permitted within 30 m from aquatic habitats.

## **SPRAY DRIFT MANAGEMENT FOR GROUND APPLICATIONS:**

### **GENERAL INFORMATION:**

Use good pesticide practices and apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and parks is minimal. Take into consideration wind speed, wind direction, temperature, application equipment and sprayer settings used for applications.

For the protection of non-target habitats, over-spray or drift to any body of water or other environmentally sensitive habitats must be avoided. The interaction of many equipment and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making application decisions.

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).

### **ENVIRONMENTAL HAZARDS:**

Avoid over-spray or drift to sensitive aquatic habitats. An appropriate buffer zone is required between the downwind point of direct application and the closest edge of sensitive aquatic habitats including sloughs, coulees, ponds, prairie potholes, lakes, rivers, streams, reservoirs, and wetlands that are situated on the periphery of the treated area. Do not apply during periods of dead calm or when winds are gusty. Do not apply this product through any type of irrigation system. **USE ONLY ON LABELLED CROPS.**

Toxic to non-target terrestrial plants and aquatic organisms. Observe the buffer zones and precautionary measures specified under Directions for Use.

Atrazine is persistent and will carry over. It is recommended that any products containing atrazine not be used in areas treated with this product during the previous season.

**GROUND APPLICATION:**

Do not apply Converge 480 Herbicide at rates greater than 2.22 L/ha. This product is used only in tank mix applications listed on this label. Refer to the tank mix partners listed on this label for complete instructions.

DO NOT APPLY BY AIR

STORE IN A DRY PLACE

Bulk sites must be diked around and under the bulk tank with an impermeable non-earthen dike. The dike must be large enough to hold and contain 110 percent of the capacity of the largest tank.

**CAUTION:** Do not graze treated immature crops or cut for fodder. In the case of corn, immature means before ear emergence. Sufficient data are not available to support such use. Do not harvest within 60 days of application on field corn.

**FIRST AID:**

**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.

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

**TOXICOLOGICAL INFORMATION:**

Treat symptomatically. When large amounts have been ingested, gastric lavage may be required.

## **DECONTAMINATION AND DISPOSAL:**

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.

## **CONTAINER DISPOSAL OR REFILLING:**

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

**Refillable Container Disposal:** For disposal, this empty 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.

**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.

## **DIRECTIONS FOR USE:**

CONVERGE 480 Herbicide provides selective control of broadleaf weeds and wild oats in corn.

### **TIMING OF APPLICATION:**

Can be applied pre-plant surface or after planting but prior to crop emergence in either conventional tillage or minimum tillage programs.

**CONSULT TANK-MIX PARTNER LABELS FOR COMPLETE INSTRUCTIONS AND RESTRICTIONS, ALWAYS USE MOST RESTRICTIVE DIRECTIONS ON TANKMIX PARTNER LABELS OF THE TANK MIX USED.**

### **MIXING AND SPRAYING INSTRUCTIONS:**



Protect sprayer operators from drift or mist. Additional information on spray drift management for GROUND APPLICATION is provided in the section “SPRAY DRIFT MANAGEMENT FOR GROUND APPLICATIONS”. When low volumes of spray are applied, complete coverage and thorough application are essential for the most effective results. Schedule applications in accordance with local conditions. Consult your local agricultural authorities for specific use information. Where possible, use a nurse tank to fill your spray tank.

• **Mixing Steps:**

- (1) Spray equipment should be thoroughly flushed with clean water before mixing CONVERGE 480 Herbicide.
- (2) Fill tank 3/4 full with carrier and add the CONVERGE 480 Herbicide and other liquid products if applicable.
- (3) Finish filling tank. Maintain gentle agitation during mixing and spraying operations.
- (4) Do not let stand without agitation.
  - Spray pressure 200 - 300 kPa
  - Spray volume - minimum 150 litres per hectare
  - Use 16 mesh suction screen. 50 mesh screens elsewhere on sprayer.

**APPLICATION INFORMATION – CORN**

**PRE-EMERGENT TANK MIXES:**

Weeds Controlled	Product Rates	
Annual Grasses, Broadleaf Weeds and Triazine and ALS Tolerant Weeds	1.67 L/ha Converge 480 Herbicide	+ 165 mL/ha Converge Pro Suspension Herbicide <sup>(1)</sup> <i>or</i> + 220 mL/ha Converge Pro Suspension Herbicide <sup>(1)</sup>
Annual Grasses, Broadleaf Weeds and Triazine and ALS Tolerant Weeds, Emerged Annual and Perennial Weeds	1.67 L/ha Converge 480 Herbicide	+ 165 mL/ha Converge Pro Suspension Herbicide + 2.5 L/ha Roundup Original, Roundup Transorb, Touchdown IQ or Vantage <sup>(1)</sup> <i>or</i> + 220 mL/ha Converge Pro Suspension Herbicide + 2.5 L/ha Roundup Original, Roundup Transorb, Touchdown IQ or Vantage <sup>(1)</sup>
2.22 L/ha Converge 480 Herbicide		

(1) DO NOT APPLY TO SWEET CORN. For Use in Eastern Canada Only.

DO NOT apply tank mixes to field corn grown on loamy sands or sands and/or soils with less than 2 % O. M.

## CONSULT TANK-MIX PARTNER LABELS FOR COMPLETE INSTRUCTIONS AND RESTRICTIONS

Do NOT apply by air.

Do NOT apply during periods of dead calm or when winds are gusty.

Do NOT overspray non-target terrestrial or aquatic habitats.

Do NOT contaminate aquatic habitats when cleaning and rinsing spray equipment or containers.

When a tank mixture is used, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture.

A firm, level seedbed free from large clumps and surface trash must be prepared to ensure uniform weed control.

**Do not use CONVERGE 480 Herbicide on loose and rough seedbeds.**

**Buffer Zones:** The 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) or aquatic habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, wetlands and estuarine/marine habitats).

Application Method	Buffer Zone for Protection of:	
	Terrestrial Habitats (m)	Aquatic Habitats (m)
Field sprayer <sup>a</sup>	10	10

<sup>a</sup> For field sprayer application, buffer zones can be reduced with the use of drift-reducing spray shields. When using a spray boom fitted with a full shield (shroud, curtain) that extends to the crop canopy or ground, the labelled buffer zone can be reduced by 70%. When using a spray boom where individual nozzles are fitted with cone-shaped shields that are no more than 30 cm above the crop canopy or ground, the labelled buffer zone can be reduced by 30%.

**Surface Runoff:** To reduce runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before treatment. Site characteristics and conditions that may lead to runoff include, but are not limited to, heavy rainfall, moderate to steep slope, bare soil and poorly draining soil (e.g. soils that are compacted, fine textured or low in organic matter such as clay).

Avoid applying this product when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip (buffer zone) between the treated area and the edge of the water body.

**Leaching:** The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sand, loamy sand and sandy loam soils) and/or the depth of the water table is shallow.

Avoid applying this product when heavy rain is forecast.

**WARNING:**

Injury may occur if land treated with CONVERGE 480 Herbicide is planted to any crop other than corn in the same season. One year after application there is virtually no hazard to most rotational crops when annual weed label rates are applied. Sugar beets and tobacco are sensitive to CONVERGE 480 Herbicide and should not be planted on land treated with CONVERGE 480 Herbicide the previous year. When extended periods of dry weather occur during the year of treatment, there can be some injury to succeeding crops such as white beans, onions, peas, tomatoes and turnips. Injury is most likely to occur when the seedling crop is subjected to periods of stress e.g., during periods of abnormally hot, dry weather.

Under conditions of heavy rainfall sufficient to cause erosion, soil containing CONVERGE 480 Herbicide may wash to lower areas of land and injury to existing or subsequent crops other than corn may result.

THOROUGH TILLAGE INCLUDING PLOUGHING SHOULD PRECEDE THE PLANTING OF CROPS OTHER THAN CORN. PLOUGH THE LAND FLAT AS OPPOSED TO SETTING THE FURROW ON EDGE. UNEVEN APPLICATION OF CONVERGE 480 HERBICIDE OR APPLICATION IN EXCESS OF RECOMMENDED RATES WILL NOT INJURE CORN BUT MAY RESULT IN THE INJURY OF SUCCEEDING CROPS OTHER THAN CORN.

**HERBICIDE RESISTANCE MANAGEMENT RECOMMENDATIONS:**

For resistance management, Converge 480 Herbicide is a Group 5 herbicide. Any weed population may contain or develop plants naturally resistant to Converge 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 Converge 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 (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 your local Bayer representative, or call Bayer CropScience Inc. toll-free at 1-888-283-6847.

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