



Supplemental Label

# ASSURE<sup>®</sup> II HERBICIDE

GROUP	1	HERBICIDE
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EMULSIFIABLE CONCENTRATE

GUARANTEE: Quizalofop P-Ethyl 96 g/L

**FOR SALE FOR USE ON CONDIMENT AND OILSEED TYPE ORIENTAL MUSTARD IN WESTERN  
CANADA**

AGRICULTURAL

READ THE LABEL AND ATTACHED BROCHURE BEFORE USING

REGISTRATION NO. 25462 PEST CONTROL PRODUCTS ACT

DANGER – CORROSIVE TO EYES  
WARNING - SKIN IRRITANT  
POTENTIAL SKIN SENSITIZER

NET CONTENTS 3 L OR 8 L

E. I. du Pont Canada Company  
Agricultural Products  
PO Box 2300 Streetsville  
Mississauga, Ontario L5M 2J4  
1-800-667-3925

**PRECAUTIONS:**

KEEP OUT OF REACH OF CHILDREN

DANGER – CORROSIVE TO EYES

WARNING – SKIN IRRITANT

POTENTIAL SKIN SENSITIZER

May be harmful if swallowed, inhaled or absorbed through skin. Causes eye irritation.

Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing vapours or spray mist. Use adequate ventilation.

Wear goggles or face shield, chemical resistant gloves and coveralls over long-sleeved shirt and long pants during mixing, loading, clean-up and repair.

For worker protection during application, wear a hat and coveralls over long-sleeved shirt and long pants.

When using, do not eat, drink or smoke. Wash skin thoroughly with soap and water after handling.

Remove contaminated clothing immediately after use. Store and wash contaminated clothing separately from household laundry before reuse.

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:**

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, poorly draining soil (e.g. soils that are compacted or fine textured such as clay).

Avoid application of this product when heavy rain is forecast.

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

This product contains a petroleum distillate at 78.6%, which is toxic to aquatic organisms. Avoid contamination of aquatic systems during application.

**FIRST AID:****INGESTION:**

This product contains petroleum distillates. If swallowed, DO NOT induce vomiting. IMMEDIATELY give two glasses of water. Never give anything by mouth to an unconscious person. Call a physician or contact a poison control centre IMMEDIATELY.

**SKIN CONTACT:**

In case of contact, IMMEDIATELY flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician or contact a poison control centre. Wash contaminated clothing before reuse.

**EYE CONTACT:**

In case of contact, IMMEDIATELY flush eyes with plenty of clean water for at least 15 minutes. Call a physician or contact a poison control centre.

**INHALATION:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician or contact a poison control centre.

Never give anything by mouth to an unconscious person. Remove victim to safe, uncontaminated area. If victim has ceased breathing, clear airway and start artificial respiration. Obtain medical attention or contact a poison control centre.

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

For medical emergencies, call 1-800-441-3637 (24 hours).

**TOXICOLOGICAL INFORMATION:** This product contains petroleum distillates. Do not induce vomiting.

### **GENERAL INFORMATION**

A 15-m buffer zone is required between the point of direct application and the closest downward edge of (1) sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, pastures, rangelands, and shrublands) and (2) sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, and wetlands.)

ASSURE<sup>®</sup> II Herbicide is a selective postemergence herbicide for the control of annual and perennial grasses in condiment and oilseed oriental mustard, flax (including low linolenic acid varieties), canola, soybeans (including varieties designated "STS"), seed alfalfa, lentils, peas (field and processing) and seedling legumes for seed production. Recommended rates and timing for ASSURE<sup>®</sup> II Herbicide application will provide control of the emerged grasses present.

ASSURE<sup>®</sup> II Herbicide does not control sedges or broadleaf weeds.

Grass crops, including wheat, barley, rye, oats, and corn are highly sensitive to ASSURE<sup>®</sup> II Herbicide.

When not in use, keep container closed to prevent evaporation or loss through spillage.

### **BIOLOGICAL ACTIVITY**

ASSURE<sup>®</sup> II Herbicide is a systemic herbicide which is rapidly absorbed and readily translocated from the treated foliage to the root systems and growing points of the plant.

Control Symptoms - Treated plants show a reduction in growth and a loss of competitiveness. An early yellowing or browning of the younger plant tissues is followed by a progressive collapse of the remaining foliage. These symptoms will generally be observed in one to three weeks depending on the grass species treated and the environmental conditions.

### **DIRECTIONS FOR USE**

DO NOT apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands), estuaries or marine habitats.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty.

DO NOT apply by air.

#### **ASSURE<sup>®</sup> II Herbicide Used Alone:**

For the control of grassy weeds listed on the label, apply ASSURE<sup>®</sup> II Herbicide as a single post-emergent spray at a rate of 0.38 L/ha to 0.75 L/ha with a recommended surfactant (MERGE\* or SURE-MIX<sup>™</sup>) at 5 litres per 1000 litres of spray (0.5% v/v).

Use ground application only. Use in a minimum of 100 litres of water/ha.

Refer to the appropriate sections of the ASSURE® II Herbicide label booklet for a complete list of grassy weeds, their stages of control, as well as additional application and/or use precaution instructions, and/or mixing instructions.

### **TANK MIXTURE WITH BROADLEAF HERBICIDES**

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.

### **CONDIMENT AND OILSEED TYPE ORIENTAL MUSTARD IN WESTERN CANADA**

For control of broadleaf weeds and grasses in condiment and oilseed type oriental mustard, apply a tank mixture of MUSTER® Herbicide plus ASSURE® II Herbicide. Use MUSTER® Toss-N-Go® Herbicide at 20 grams per hectare plus 0.38 - 0.5 litres per hectare ASSURE® II Herbicide plus MERGE\* at 5-10 litres per 1000 litres of spray solution or SURE-MIX™ at 0.5% (0.5 litres per 100 litres of spray solution). Refer to the "Mixing Instructions" section of this label for specific mixing instructions.

Additional surfactant is not required when using MERGE\* or SURE-MIX™. For best results, follow the timing restrictions and specific weed control recommendations stated on each product's label. After application follow the sprayer clean-out directions on the MUSTER® Toss-N-Go® Herbicide label. Consult the MUSTER® Toss-N-Go® Herbicide label for desired use rates, weeds controlled and additional restrictions regarding the use of MUSTER® Toss-N-Go® Herbicide.

#### **NOTE:**

When tank mixed with ASSURE® II Herbicide plus SURE-MIX™ or MERGE\* adjuvant, MUSTER® Toss-N-Go® Herbicide will control stinkweed at the 20 grams per hectare rate.

### **SPRAY PREPARATION:**

#### **EQUIPMENT - SPRAY VOLUME**

Apply the spray mixture with ground equipment only. Use a properly calibrated sprayer that will provide thorough coverage of the weeds with the spray. Apply a minimum of 100 litres per hectare total spray volume. Use flat fan nozzles. DO NOT USE FLOOD JET NOZZLES.

Use 50 mesh screens or larger. A spray pressure of 210-275 kPa is recommended. Under heavy weed pressure, use increased volumes up to 400 litres total spray volume per hectare.

Avoid overlapping. Shut off spray booms while starting, turning, slowing or stopping to prevent over application.

Use spray preparation of ASSURE® II Herbicide within 24 hours or product degradation may occur. If spray preparation is left without agitation, thoroughly agitate before using.

Do not apply when environmental conditions such as wind speed, temperature, relative humidity, etc. are favourable for drift to occur.

Do not apply to terrain where there is a potential for surface run-off to enter aquatic systems.

NOTE: Extreme care must be taken to prevent drift to desirable plants or non-target agricultural land.

### **MIXING INSTRUCTIONS**

1. Make sure that spray tank is thoroughly cleaned before mixing.
2. Fill tank half full with water. KEEP AGITATOR RUNNING.

3. If tank mixing ASSURE® II Herbicide with another herbicide, use the following sequence:
  - a) Add MUSTER® Toss-N-Go® Herbicide. Ensure that the herbicide is completely dissolved before proceeding to the next step.
  - b) Add the recommended quantity of ASSURE® II Herbicide
  - c) Once ASSURE® II Herbicide is completely dissolved, SLOWLY add MERGE\* or SURE-MIX™
4. Add the rest of the required water to the tank. Mix well before applying to the crop.

On repeat tank loads, ensure that the amount of spray solution left in the tank from the previous load is less than 10% of volume about to be mixed.

Do not mix, load or clean spray equipment where there is a potential to contaminate wells or aquatic systems.

### **SPRAYER CLEAN-OUT**

Thoroughly clean all traces of ASSURE® II Herbicide from application equipment immediately after use. Flush tank, pump, hoses, and boom with several changes of water after removing nozzle tips and screens (clean these parts separately). Failure to thoroughly clean the equipment may result in injury to subsequently sprayed grass crops.

### **USE PRECAUTIONS:**

- Do not apply to condiment and oilseed type oriental mustard within 64 days of harvest.
- Do not apply ASSURE® II Herbicide to plants stressed by severe conditions such as drought, low fertility, or cool weather as control of weeds may be reduced.
- Do not apply ASSURE® II Herbicide to crops stressed by severe conditions such as drought, low fertility, saline soils, water logged soils (soils at or near field capacity), disease or insect damage as crop injury may result.
- Drought, disease or insect damage following application may also result in crop injury.
- Rainfall within 1 hour of application may reduce effectiveness of the spray.
- Avoid drift to other crops and non-target areas. Grass crops such as corn and wheat etc. are highly sensitive to ASSURE® II Herbicide.
- Do not tank mix ASSURE® II Herbicide with any other pesticides, fertilizer, or additive except as directed in this label.
- Do not contaminate irrigation water.

### **CAUTION:**

Do not graze the treated crops or cut for hay; sufficient data are not available to support such use.

### **RESISTANCE-MANAGEMENT RECOMMENDATIONS:**

For resistance management, ASSURE® II Herbicide is a Group 1 herbicide. Any weed population may contain or develop plants naturally resistant to ASSURE® II Herbicide and other Group 1 herbicides. The resistance 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 ASSURE® II Herbicide or other Group 1 herbicides with different groups when such use is permitted.
- ◆ 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 DuPont representative or the DuPont hotline at 1-800-667-3925 for further information.

**STORAGE:**

Store product in original container only, away from fertilizer, seed, food or feed. Not for use or storage in or around the home. Keep container closed. DO NOT FREEZE.

**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 rinsing 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.

The seller warrants that the purchase by the buyer and the use of this product, as such, will not infringe any Canadian patent.

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