



ASSURE[®] II HERBICIDE

GROUP	1	HERBICIDE
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EMULSIFIABLE CONCENTRATE

GUARANTEE: Quizalofop P-Ethyl 96 g/L

FOR SALE FOR USE IN WESTERN CANADA ON CHICKPEAS

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: 1-10 LITRES

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.
- When applied as a tank-mix combination, read and observe all label directions, including rates, restrictions, and grazing limitations for each product used in the tank-mix. Follow the more stringent label precautionary measures for mixing, loading and applying stated on product labels.
- Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature, application equipment and sprayer settings.

- 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., contact www.cropro.org/.

ENVIRONMENTAL PRECAUTIONS:

This product contains a petroleum distillate at 78.6%, which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning equipment.

FIRST AID:

INGESTION:

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 and transportation emergencies such as spills, leaks or fire, call 1-613-348-3616 (24 hours).

TOXICOLOGICAL INFORMATION: "THIS PRODUCT CONTAINS PETROLEUM DISTILLATES".

Vomiting may cause aspiration pneumonia.

IMPORTANT

Injury to or loss of desirable trees or vegetation may result from failure to observe the following: Do not apply, drain or flush equipment on or near desirable trees or plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots. Do not use on lawns, walks, driveways, tennis courts, or similar areas. Prevent drift of spray to desirable plants. Do not contaminate any body of water including irrigation water that may be used on other crops.

DO NOT APPLY BY AIR. APPLY WITH GROUND EQUIPMENT ONLY.

This product is toxic to fish. Overspray or drift to fish-bearing water must be avoided. Overspray or drift to important wildlife habitats such as shelterbelts, wetlands, sloughs or dry slough borders and woodlots should be avoided. Leave a 15-metre buffer zone between the last spray swath and the edge of any of these habitats.

GENERAL INFORMATION

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

ASSURE® II Herbicide does not control sedges or broadleaf weeds.

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

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

BIOLOGICAL ACTIVITY

ASSURE® 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

POSTEMERGENCE APPLICATIONS – CHICKPEAS

For the control of grassy weeds listed on the label, apply ASSURE® 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™) 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.

Do not apply within 85 days of harvest.

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.

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. Ensure that the herbicide is completely mixed before proceeding to the next step.
3. 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 chickpeas within 85 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 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 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 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 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 a control product under unsafe conditions.

NOTICE TO BUYER:

Seller's guarantee shall be limited to the terms set out on the label and, subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

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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