

2002/2007

[Water soluble bag]

ELIM® EP 75 DF HERBICIDE

KEEP OUT OF REACH OF CHILDREN

SEE DIRECTIONS FOR USE BROCHURE FOR COMPLETE PRECAUTIONARY STATEMENTS

GUARANTEE: Rimsulfuron 75.0%

DRY FLOWABLE

NET CONTENTS: 20 GRAMS

DANGER - EYE IRRITANT

GROUP	2	HERBICIDE
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ELIM® EP HERBICIDE 75% DRY FLOWABLE

REGISTRATION NO. 25200 PEST CONTROL PRODUCTS ACT

FOR SALE FOR USE ON FIELD CORN IN EASTERN CANADA ONLY

AGRICULTURAL

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

GUARANTEE: Rimsulfuron 75.0%

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.
DANGER - EYE IRRITANT.

NET CONTENTS: 160 GRAMS
(8 x 20 gram water soluble bags)

Notification Change

~~DUPONT CANADA INC.~~
AGRICULTURAL PRODUCTS
BOX 2300, STREETSVILLE
MISSISSAUGA, ONTARIO
L5M 2J4
1-800-667-3925

E.I. DU PONT CANADA COMPANY

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.

Avoid breathing spray mist.
Avoid contact with skin, eyes and clothing.
Do not contaminate any body of water.
Do not sell water soluble bags separately.

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 1-866-375-4648 or www.cropro.org/.

FIRST AID:

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

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

SKIN CONTACT: In case of contact, flush skin with water. Wash contaminated clothing before reuse.

INGESTION: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. Consult a physician, or poison control centre (if necessary).

Take container, label or 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 fires call 1-613-348-3613 (24 hours).

STORAGE:

Store product in original container only, away from other pesticides, fertilizer, food or feed. Not for use or storage in or around the home. Keep container closed.

DISPOSAL:

1. Triple- or pressure-rinse the container thoroughly. 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 empty 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 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 offense 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 on any Canadian patent

[DFU Pamphlet]

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INGESTION: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. Consult a physician or poison control centre (if necessary).

IMPORTANT

Injury to or loss of desirable trees or vegetation may result from failure to observe the following: Do not apply or drain or flush equipment on or near desirable trees or other 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. Keep from contact with fertilizers, insecticides, fungicides and seeds.

APPLY ELIM EP WITH A RECOMMENDED SURFACTANT.

DO NOT APPLY BY AIR.

Do not handle pesticides with bare hands. Chemical-resistant gloves significantly reduce hand exposure. Wear gloves and protective goggles for mixing/loading/clean-up operations and when making sprayer and nozzle repairs and adjustments. Do not use leather or cloth gloves.

Carefully observe sprayer cleanup instructions, as spray tank residue may damage crops other than corn.

GENERAL INFORMATION

ELIM EP Herbicide is a dry flowable granular formulation to be mixed in water and applied post-emergence to field corn in Eastern Canada for control of annual grasses and redroot pigweed. ELIM EP Herbicide is pre-packaged in water soluble bags; each 20 gram water soluble bag treats 1 hectare. Use gloves when handling the water soluble bags. Reseal unused water soluble bags into outer bag when not in use. Keep water soluble bags away from excess moisture or physical damage during storage and prior to mixing in the spray tank. Do not reuse outer bag.

DIRECTIONS FOR USE

ENVIRONMENTAL CONDITIONS AND BIOLOGICAL ACTIVITY

- o A rapid fluctuation in temperature (greater than 20 deg C difference within 24-36 hours) will stress the corn crop. For maximum crop safety, allow 48-72 hours for the corn to acclimatize before spraying ELIM(R) EP.
- o For ELIM(R) EP used alone or in a tankmix, apply ONLY when the temperature in the 24 hours before AND after application ranges between 5 deg C and 28 deg C. Temperatures beyond this range increase the potential for crop injury. Separate applications of ELIM(R) EP followed by a broadleaf herbicide (minimum 12 hours later) will reduce the potential for injury.
- o Ensure that the boom is set at the proper height in relation to the corn plants to apply ELIM(R) EP accurately and uniformly, and to AVOID excessive application into the corn whorl.
- o WARNING: Crop injury may result if application is made to corn that has been stressed by abnormally hot, humid or cold weather conditions, frost, low fertility, drought, water saturated soil, compacted soil, previous pesticide applications, disease or insect damage. If corn has been injured by frost, wait 48-72 hours before applying ELIM(R) EP.
- o When tank mixing ELIM(R) EP with a broadleaf herbicide, always read the broadleaf herbicide label before using and follow all precautions.
- o ELIM(R) EP Herbicide rapidly stops growth of susceptible species; typical symptoms usually appear within 5-7 days, but may not be noticeable for 2-3 weeks after application, depending on growing conditions and weed susceptibility.
- o Warm, moist conditions following application promote the activity of ELIM(R) EP Herbicide, while cool and/or dry conditions may reduce or delay activity. Weeds hardened off by cold weather or drought stress may not be controlled.
- o ELIM(R) EP Herbicide is a contact herbicide, and will not give residual control of grass or broadleaf weed seedlings that may germinate after application. Weed control may be reduced if the corn canopy has closed in over the weeds, intercepting the spray.

CORN HYBRID SENSITIVITY

Corn hybrids with corn-heat-unit (CHU) ratings of 2500 or less have shown some sensitivity to ELIM EP. **DO NOT USE ELIM EP ON CORN HYBRIDS WITH CHU RATINGS OF 2500 OR LESS OR IN GEOGRAPHIC REGIONS HAVING 2500 OR LESS AVERAGE SEASONAL CORN HEAT UNITS.**

Corn hybrids of 2550 CHU or greater that have shown considerable crop injury from applications of ELIM EP are listed below. ELIM EP should not be sprayed for weed control in fields planted with these hybrids.

PIONEER(R) Brand 3897
PIONEER Brand 3936
PIONEER Brand 3941
MAX 78
G-4120
G-4034
G-4160

Do not use on sweet corn. Do not use on seed corn.

ELIM EP USED ALONE

SPRAY ADJUVANTS

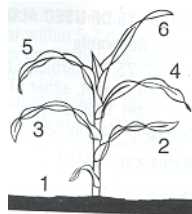
ELIM EP Herbicide must be applied with a recommended non-ionic surfactant, either Citowett(R) Plus, Agral(R) 90 or Ag-surf(R) at 2 L per 1000 L spray solution (0.2% v/v).

RATES AND TIMING

Apply ELIM EP at 20 grams/ha (1 water soluble bag) as a broadcast spray, with a recommended surfactant to corn and weeds according to the following chart:

Crop or Weed	Leaf Staging at Application
Corn	spike-3 leaves (2 visible collars or 20 cm in height - leaf extended)
Annual Grasses	1-4 leaves (up to early tillering)
Redroot Pigweed Lamb's-quarters	2-4 leaves (5 - 10 cm tall or across)

CORN LEAF STAGING



Apply ELIM® EP from the spike to 3 leaf stage (2 visible collars or 20 cm in height - leaf extended).

The coleoptile (short, blunt leaf) is counted as the first leaf. A corn leaf is counted as a full leaf when the next leaf is visible in the corn whorl.

If using ELIM(R) EP with a tank mix partner, refer to the section on TANK MIX INSTRUCTIONS below for correct timing.

Weeds Controlled By 20 g/ha (1 water soluble bag):

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Barnyard Grass	Lamb's-quarters*	Yellow Foxtail*
Fall Panicum	Redroot Pigweed(including triazine resistant)	
Green Foxtail	Old Witchgrass	

* Suppression only. Weed suppression is a visual reduction in weed competition (reduced population or vigour) as compared to an untreated area. Degree of suppression will vary with size of weed and environmental conditions prior to and following treatment.

NOTE: Weeds which emerge after application of ELIM EP will not be controlled. Application should be made when the majority of weeds have emerged.

Annual grasses and pigweed are most sensitive when small and actively growing.

Early crop establishment and a good crop stand (minimum of 50,000 plants per hectare) are important in providing competition for weeds and effective postemergence control of annual grasses.

TANK MIX INSTRUCTIONS

ELIM EP + BANVEL

ELIM EP may be tank mixed with BANVEL to control annual grasses and many broadleaf weeds. Tank mix 20 grams/ha of ELIM EP and 625 mL/ha of BANVEL with a non-ionic surfactant at 0.2% v/v (2 L/1000 L) and apply postemergence to corn from spike up to the 3 leaf stage (2 visible collars or 20 cm in height - leaf extended). This tank mixture will control the weeds as listed for control by ELIM EP alone, plus the weeds listed on the BANVEL label. Refer to the "ELIM EP USED ALONE" section of this label for more application instructions and restrictions on the use of ELIM EP. Refer to the BANVEL label for weeds controlled by BANVEL and consult the label for additional application instructions and use precautions.

ELIM(R) EP, alone or in a tank mixture, must not be applied after the 3 leaf stage (2 visible collars or 20 cm in height - leaf extended) of corn.

If the correct leaf stage of annual grasses does not coincide with the correct leaf stage of broadleaf weeds, separate applications of ELIM EP and BANVEL are required. Refer to the BANVEL label for correct timing and rates for use of BANVEL alone.

NOTE: Weeds which emerge after application of the ELIM EP tankmix will not be controlled. Application should be made when the majority of weeds have emerged.

MIXING INSTRUCTIONS

1. Fill clean tank about 1/4 full with fresh water.
2. Turn on full agitation.

3. Add the proper amount of ELIM EP to the water in the spray tank with the agitator running. Maintain full agitation until water soluble bags are completely dissolved and product is fully dispersed. Continuous agitation is required to keep the product in suspension.
4. After ELIM EP has been well mixed and is in suspension add the proper amount (if applicable) of BANVEL to the spray tank with the agitator running.
5. After ELIM EP (and tank mixed herbicide if applicable) has been well mixed and is in suspension add a recommended non-ionic surfactant such as Citowett Plus, Agral 90, or Agsurf at 2 L per 1000 L spray solution (0.2 % v/v).
6. Fill the remainder of the spray tank.

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

Agitation is required for uniform mixing and application. The optimum water volume for ELIM EP application is 140 - 190 litres of water per hectare (minimum of 100 litres of water per hectare). Use a spray pressure of 175-275 kPa. Flat fan nozzles are recommended. Use 50 mesh filter screens or larger. Use spray preparation of ELIM EP within 24 hours or product degradation may occur resulting in a loss of weed control. Use vigorous agitation to thoroughly disperse spray mixtures that have been allowed to stand in the tank.

NOTE: ELIM EP will degrade in acidic or highly alkaline water. Mix no more than can be used in one day. If spraying is interrupted, thoroughly re-agitate the spray mixture before resuming spraying.

NOTE: Do not mix the soluble bags with liquid fertilizers, substances that contain boron or substances that release free chlorine. Mixing the water soluble bags with any of these compounds will result in an insoluble substance in the tank.

SPRAYER CLEANUP

To avoid subsequent injury to desirable crops, thoroughly clean all mixing and spray equipment immediately following applications of ELIM EP as follows:

1. Drain tank; thoroughly hose down the interior surfaces of the tank; then flush tank, boom and hoses with clean water for a minimum of 5 minutes.
2. Fill the tank with clean water while adding one litre of household ammonia (containing a minimum of 3% ammonia) for every 100 litres of water. Flush the hoses, boom and nozzles with the cleaning solution and then add more water to completely fill the tank. Circulate the cleaning solution through the tank and hoses for at least 15 minutes. Again flush the hoses, boom and nozzles with the cleaning solution and then drain the tank.
3. Remove the nozzles and screens and clean separately in a bucket containing cleaning agent and water.
4. Repeat step 2.
5. Thoroughly rinse the tank with clean water for a minimum of 5 minutes, flushing the water through the hoses and boom.
6. PRIOR to using the sprayer for the next application, flush the tank, boom and hoses for 5 minutes with fresh water.

CAUTION: DO NOT mix ammonia with chlorine bleach. Using ammonia with chlorine bleach will release a gas with a musty chlorine odour which may cause eye, nose, throat and lung irritation. DO NOT clean equipment in an enclosed area.

USE OF INSECTICIDES

For maximum crop safety, ELIM EP should be applied only to corn which has NOT been treated with a highly systemic organophosphorus soil insecticide, such as Counter®, Cygard®, Thimet®, or Di-Syston®. Application of ELIM EP to corn previously treated with Dyfonate® may cause some temporary yellowing of the corn leaves, and/or temporary stunting. Application of ELIM EP to corn previously treated with Force® (pyrethroid) or Furadan® (carbamate) will allow maximum crop safety. DO NOT tank mix ELIM EP with any organophosphorus insecticide. DO NOT apply a foliar organophosphorus insecticide within 7 days before or after applying ELIM EP.

REPLANTING TO OTHER CROPS

ELIM EP is degraded by natural soil processes, and field tests have shown that the following crops may safely be planted at the prescribed interval following corn that has been treated with ELIM EP.

Crop	Replanting Interval
Winter wheat	4 months
Spring barley, Canola, Soybeans, White beans, Red Clover, Sorghum, Field Corn	10 months

For other crops, a field bioassay is recommended before planting. A successful field bioassay means growing to maturity a test strip of the crop(s) intended for production the following year.

FIELD BIOASSAY

Select a representative area or areas of the field previously treated with ELIM EP herbicide to plant your bioassay crop(s). Be sure to consider factors such as size of field, soil texture, drainage and turn-around areas when selecting the site(s) that are most representative of the soil conditions in the field. On large fields, more than one site may be needed in order to obtain reliable results.

Plant the test strips perpendicular to the direction in which the field was sprayed. The strips should be long enough to cross the width of several spray swaths. Large test strip areas are more reliable than small ones.

Use standard tillage and seeding equipment to plant the bioassay. Prepare a seed bed and plant the crops and varieties you want the option of growing the following year. It is important to use the same planting time, conditions, techniques and cultural practices you normally use to plant and grow the bioassay crop(s). Also plant into an adjacent area not treated with ELIM EP to use as a comparison.

As the crop(s) emerges and grows, examine these key points in ELIM EP treated and non-treated areas:

-crop stand -root development -rate of growth
-plant colour and vigour -yield

Allow the bioassay crop(s) to grow to maturity while making your observations. Do not overspray the test strips with herbicides that may damage the bioassay crop(s). If the bioassay indicates that ELIM EP residues are still present, continue cropping only to those crops listed on the label and do not rotate to other crops until bioassay results indicate that susceptible crops are growing normally.

USE PRECAUTIONS

Do not apply ELIM EP during periods of intense rainfall or to soils saturated with water. Do not apply directly to standing or running water. Do not apply in areas where surface water from the treatment site can run off to adjacent cropland, either planted or to be planted, or into streams, irrigation water or wells. Applications should only be made when there is no hazard of spray drift contaminating non-target land areas since very small quantities of the ELIM EP spray solution may severely injure susceptible crops during both growing and dormant periods.

As with any herbicide, overlaps or starting, stopping, slowing and turning while spraying may result in crop injury.

Crop injury may result if application is made to corn that has been stressed by abnormally hot, humid or cold weather conditions, frost, low fertility, drought, water saturated soil, compacted soil, previous pesticide applications, disease or insect damage.

Under extreme weather conditions, such as hot, dry weather, excessive moisture, or frost, weed control may be reduced.

Rainfall within 2 to 4 hours after application of ELIM EP may reduce weed control.

Because corn hybrids differ in their tolerance to herbicides, limit first use of ELIM EP to a small area of each hybrid prior to adoption as a field practice.

Overspray or drift to important wildlife habitats such as ponds, wetlands, streams, woodlots and shelterbelts should be avoided. Leave a 10 metre buffer zone between the last spray swath and bodies of water or wetlands. Leave a 5 metre buffer zone between the last spray swath and the terrestrial habitats listed above.

ELIM EP Herbicide must not be applied within 30 days of harvest.

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

RESISTANCE-MANAGEMENT RECOMMENDATIONS:

For resistance management, ELIM® EP 75% Herbicide is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to ELIM® EP75%Herbicide and other Group 2 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 ELIM® EP 75% Herbicide or other Group 2 herbicides with different herbicide groups that control the same weeds in a field.
- ◆ Use tank mixtures with herbicides from 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 other pesticides, fertilizer, food or feed. Not for use or storage in or around the home. Keep container closed.

DISPOSAL:

1. Triple- or pressure-rinse the container thoroughly. 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.
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