

**CONTAINER LABEL FOR BOTTLE**

Group	<b>2</b>	Herbicide
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**PRE-PARE® Herbicide**  
**70% WATER DISPERSIBLE GRANULAR HERBICIDE**

**AGRICULTURAL**

**FOR PREPLANT AND PREEMERGENCE APPLICATION ON SPRING WHEAT  
(EXCLUDING DURUM WHEAT)**

**FOR SALE AND USE IN ALBERTA, MANITOBA, SASKATCHEWAN, AND  
PEACE RIVER REGION OF BRITISH COLUMBIA ONLY**

**ACTIVE INGREDIENT:**

**Flucarbazone... ..... 66%**  
**(present as flucarbazone-sodium)**

**REGISTRATION NUMBER 29500**

**PEST CONTROL PRODUCTS ACT**

**READ THE LABEL AND BOOKLET BEFORE USING**

**Warning, contains the allergen milk.**

**KEEP OUT OF REACH OF CHILDREN**

**STORE IN A COOL, DRY PLACE**

**NET CONTENTS: 300 GRAMS to 600 Kg**

**For product information call: 1-800-438-6071**

**UPL AgroSolutions Canada Inc.**  
**630 Freedom Business Center, Suite 402**  
**King of Prussia, PA 19406**

## **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.

## **PRECAUTIONS**

**KEEP OUT OF REACH OF CHILDREN.**

## **PROTECTIVE CLOTHING**

When handling (mixing and loading) PRE-PARE Herbicide, wear long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes.

Read and follow handling precautions and protective clothing recommendations on the glyphosate tank-mix partner label. Follow manufacturer's instructions for cleaning/maintaining PPE (Personal Protective Equipment). If no such instructions for washables, use detergent and hot water. Keep PPE apart from other laundry and wash separately.

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**Note:** 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 web site at: [www.croplife.ca](http://www.croplife.ca).

## **FIRST AID**

**If swallowed:** Call a poison control centre 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.

**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.

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

### **TOXICOLOGICAL INFORMATION**

No specific antidote is available. Treat the patient symptomatically.

### **STORAGE AND DISPOSAL**

**PESTICIDE STORAGE:** Store in cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, or feed. Store in original container and out of reach of children, preferably in a locked storage area. PRE-PARE Herbicide is not affected by freezing.

**SPILL CLEAN-UP:** Follow safety precautions as directed for handling the product. Sweep spilled product with a broom and shovel into tightly closable container. If on a floor or hard surface, wash the surface or floor with detergent and water, then rinse. If on soil, collect surface soil contaminated with the product. If the product is clean, it may be used; otherwise, follow the DISPOSAL instructions.

### **DISPOSAL/DECONTAMINATION:**

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 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.

<p><b>FOR CHEMICAL EMERGENCY: spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.</b></p>
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**BOOKLET LABEL FOR BOTTLE**

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## PRODUCT INFORMATION

PRE-PARE Herbicide is a selective herbicide for use at preplant and, preemergence timings in spring wheat (hard red spring, Canada Prairie spring, soft white spring, and extra strong or utility).

## PRE-PARE HERBICIDE

PRE-PARE Herbicide is absorbed by foliage and roots of wild oat, green foxtail and certain broadleaf weeds. These weeds cease growth soon after application, removing the competitive effects of susceptible weeds. However complete weed control may not be seen for one to two weeks.

PRE-PARE Herbicide will control wild oat biotypes which have developed resistance to ACCase (Group 1) and triallate (Group 8) herbicides. It will also control green foxtail biotypes resistant to ACCase (Group 1) and dinitroaniline (Group 3) herbicides.

## DIRECTIONS FOR USE

Read the entire ***DIRECTIONS FOR USE*** before using PRE-PARE Herbicide.

- **Ground Application only. DO NOT APPLY BY AIR.**
- Do not mix, load or clean spray equipment within 10 metres of well-heads or aquatic systems, including marshes, ponds, ditches, streams, lakes, etc.
- Buffer Zones: Overspray or drift to sensitive habitats should be avoided. A buffer zone of 20 metres is required between the downwind edge of the boom and the closest edge of sensitive terrestrial habitats including forested areas, shelter belts, woodlots, hedgerows, and shrublands. A buffer zone of 35 metres is required between the downwind edge of the boom and the closest edge of sensitive aquatic habitats including sloughs, coulees, ponds, prairie potholes, lakes, rivers, streams, wetlands, and wildlife habitat at the edge of these bodies of water. Do not contaminate these habitats when cleaning and rinsing spray equipment or containers.
- Consult the label of the glyphosate tank mix partner and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture.
- Do not apply during periods of dead calm, when winds are gusty or when wind speed is greater than 15 km/hr at 2 metres high above ground at the site of application.
- Do not graze treated fields or use green crop for feed. Wheat grain or straw from harvested treated fields may be fed to livestock.
- Do not allow this chemical to drift on to other crops, especially canola, tame oats, or other non target crops.
- Observe minimum interval to harvest of 80 days after treatment.

- Do not treat wheat underseeded to legumes.
- Apply glyphosate at registered rates when tank mixed with PRE-PARE Herbicide.

### TIMING OF APPLICATION

PRE-PARE Herbicide can be applied up to 1 week prior to planting, or immediately after planting prior to crop emergence in spring wheat (excluding durum wheat).

### PREPLANT, POSTPLANT PREEMERGENCE AND PREPLANT OR POSTPLANT PREEMERGENCE FOLLOWED BY POSTEMERGENCE USE DIRECTIONS FOR SPRING WHEAT (EXCLUDING DURUM WHEAT)

Use of PRE-PARE Herbicide as a preplant or postplant preemergence application only or in combination with an additional postemergence application of EVEREST 2.0 Herbicide allows for early weed removal and reduced weed competition with wheat.

Do not apply more than 43 g/ha of PRE- PARE Herbicide and/or EVEREST 2.0 Herbicide (30 g a.i/ha) per growing season.

Application Timing	Application Rate (g product/ha)	Weeds Controlled or Suppressed
Preplant or postplant preemergence <sup>1</sup>	21.5	Control: volunteer canola <b>excluding imidazolinone-tolerant (Clearfield) canola varieties</b> Suppression: wild oat
Preplant or postplant preemergence followed by Postemergence <sup>2,3</sup> Everest 2.0 Herbicide	14.5 + 28.5	Control: green foxtail, wild oat, volunteer canola <b>excluding imidazolinone-tolerant (Clearfield) canola varieties</b>
	21.5 + 21.5	
	28.5 + 14.5	

<sup>1</sup>Crop injury may be observed following preplant or postplant, preemergence applications, but yield should be unaffected

<sup>2</sup> For postemergence applications, use a registered non-ionic surfactant such as Agral 90, Ag-Surf, etc. at a rate of 0.25% v/v (0.25L per 100L total spray solution) according to use directions under **POSTEMERGENCE USE DIRECTIONS** and **MIXING INSTRUCTIONS** on the EVEREST 2.0 Herbicide label.

<sup>3</sup> For tank mix directions and control of other weeds using postemergence applications, refer to the **POSTEMERGENCE USE DIRECTIONS** on the EVEREST 2.0 Herbicide label.

### GLYPHOSATE TANK MIXTURE

PREPARE Herbicide may be tank mixed with glyphosate present as the isopropylamine or potassium salt when applied preplant or postplant preemergence. Refer to the appropriate product label for use directions.

### PRE-PARE HERBICIDE MIXING INSTRUCTIONS

Ensure the spray tank is clean. In-line strainers and nozzle screens should be clean and 50-mesh or coarser.

1. Fill the spray tank 1/3 to 1/2 full with clean water and begin agitation or bypass.

2. Add the appropriate PRE-PARE Herbicide rate directly to the spray tank. Vigorous agitation is required to dissolve the PRE-PARE Herbicide. Maintain sufficient agitation during both mixing and application.
3. Add glyphosate tank mix partner.
4. Complete filling tank with balance of water needed.

### SPRAYING INSTRUCTIONS

Apply in a spray volume of 50 – 100 L/ha ( 22.5 – 45 L/acre or 5 – 1 0 gallons/acre) at 207-345 kPa (30-50 PSI) pressure to ensure proper weed coverage.

Flat fan nozzles of 80 ° or 110 ° are recommended for optimum coverage. Do not use floodjet nozzle or control droplet application equipment. Nozzles may be oriented 45 ° forward to enhance crop penetration and to give better weed coverage.

### SPRAYER CLEAN-UP

1. Drain the tank and thoroughly rinse spray tank, boom and hoses with clean water. Pay particular attention to flushing out any visible deposits.
2. Fill the tank with clean water and 1% v/v (1 L/100L) household ammonia. Flush the hoses, boom and nozzles with the cleaning solution. Circulate for at least 15 minutes. Flush hoses, boom and nozzles once more, then drain the tank;
3. Clean nozzles and screens in a separate container using the ammonia and water;
4. Repeat #2;
5. Rinse tank, boom and hoses with clean water.
  - Do not clean sprayer near desirable vegetation, wells, or other water sources;
  - Dispose of all rinsings in accordance with provincial regulations;
  - Check tank mix partner label for any additional clean-up procedures.

### ROTATIONAL CROPS

The following crops may be planted 11 months after an application of PRE-PARE Herbicide.

<b>Soil Zones and Rotational Crops</b>			
<b>Gray-Wooded</b>	<b>Black</b>	<b>Dark Brown</b>	<b>Brown</b>
Spring wheat Barley Canola Field peas*	Spring wheat Barley Canola Field peas* Field bean Flax Durum wheat	Spring wheat Barley Canola Field peas* Flax Durum wheat	Spring wheat

\*Field peas may be grown the year following PRE-PARE Herbicide application providing the following are all met:

1. Soil pH must be below 7.5.
2. Organic matter must be above 4%.
3. Precipitation must be equal to or above 10 year average (minimum 100mm within 60 days of application in year of application).

Or, fields can be summerfallowed.

As PRE-PARE Herbicide is degraded by soil microbes, environmental conditions that decrease microbial activity must be considered when making rotational cropping decisions. These environmental conditions include prolonged drought and/or cold temperatures within the following cropping season, as well as soils with both low OM (less than 2%) and high pH (greater than 7.5). If these conditions exist, a soil bioassay may be necessary to ensure rotational crop safety.

Do not plant crops other than those listed above in the year following application of PRE-PARE Herbicide on wheat.

### **RESISTANCE MANAGEMENT RECOMMENDATIONS**

For resistance management, PRE-PARE Herbicide is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to PRE-PARE Herbicide and other Group 2 wild oat 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 PRE-PARE Herbicide or other Group 2 wild oat 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 UPL AgroSolutions Canada Inc at 1-800-438-6071.

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