

03-MAY-2004 Notification received of label changes. See below for these changes.

10-SEP-2002

GROUP	5	HERBICIDE
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VELPAR® ULW HERBICIDE

For sale for use in Woodland Management Areas Of Less Than 500 Hectares Only

SOLUBLE GRANULES

COMMERCIAL

This product is to be used only in the manner authorized. Consult local pesticide regulatory authorities about permits which may be required

READ THE LABEL AND THIS BROCHURE BEFORE USING

GUARANTEE: Hexazinone 75%

REGISTRATION NUMBER: 24587 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 22.68 kg

Notification Change

KEEP OUT OF REACH OF CHILDREN
DANGER - CORROSIVE TO EYES

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

E.I. DU PONT CANADA COMPANY

PRECAUTIONS:

- ◆ Do not get in eyes.
- ◆ Wear goggles or face shield and chemical resistant gloves when handling.
- ◆ Avoid contact with skin and clothing.
- ◆ Wear long-sleeve shirt and pants or coveralls during mixing, loading applications, cleanup and repairs activities.
- ◆ Harmful if swallowed.
- ◆ Keep container closed.

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:

EYE CONTACT: Flush eyes IMMEDIATELY with plenty of clean water for 15 minutes. Call a physician or contact poison control centre IMMEDIATELY.

SKIN CONTACT: Wash skin with plenty of soap and water. Get medical attention if skin irritation persists. Remove and wash contaminated clothing before re-use.

INGESTION: Drink 1-2 glasses of water and induce vomiting. Never induce vomiting or give anything by mouth to an unconscious person. Keep head lower than chest to avoid aspiration into lungs. Call physician or contact a poison control centre IMMEDIATELY.

INHALATION: Remove to fresh air. If breathing is difficult, administer oxygen; if breathing stops, administer artificial respiration. Get medical attention IMMEDIATELY.

For medical emergencies or spills, leaks or fires involving this product, call, 1-613-348-3616 (24 hours.)

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

TOXICOLOGICAL INFORMATION

Treat Symptomatically

RESTRICTED USE

NOTICE TO USER: This control product is to be used only in accordance with the directions of this label. It is an offence under the PEST CONTROL PRODUCTS ACT to use a control product under unsafe conditions.

NATURE OF RESTRICTION: This product is to be used only in the manner authorized; consult local pesticide regulatory authorities about use permits which may be required.

Aerial application:

(For Woodland Management Areas of Less Than 500 ha for site preparation prior to planting conifers)

Apply only by fixed wing or rotary aircraft equipment, which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label. Use only DuPont ULW Aerial Applicator equipment or other equipment approved by DuPont Canada, Inc. Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment. Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices. The granules should be released as close to the ground as possible.

Use Precautions: Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the Basic Knowledge Requirements for Pesticide Education in Canada: Applicator Core and Aerial Module, developed by CAPCO. Do not apply to any body of water. Avoid drifting of spray onto any body of water or other non-target areas. Specified buffer zones should be observed. Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in fine particles (mist). Do not apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift. Do not spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

Operator Precautions: Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted. It is desirable that the pilot have communication capabilities at each treatment site at the time of application. The field crew and the mixer/loaders must wear chemical resistant gloves, coveralls and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label. All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

Product Specific Precautions: Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-800-667-3925 or obtain technical advice from the distributor or your provincial agricultural representative. Application of this specific product must meet and/or conform to the following: Apply 2.5 - 5.3 kg of VELPAR® ULW HERBICIDE per hectare. DO NOT apply by air within 100 metres of water bodies. DO NOT apply when wind speed at the 10 metre height is greater than 15 kph.

IMPORTANT

Injury to or loss of desirable trees or other plants may result from failure to observe the following: DO NOT clean or wash 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 granules to desirable plants. Keep from contact with other pesticides, fertilizers, seed, food or feed. DO NOT contaminate any body of water.

DO NOT use VELPAR® ULW Herbicide on gravelly or rocky soils, or soils, which are sandy or coarse, textured. DO NOT apply to sites whose physical state will prevent penetration of VELPAR® ULW Herbicide into the root zone of the target species. This includes frozen and snow-covered soils, sites which are water saturated, or sites in which the water table is close to the surface. DO NOT apply to sloped sites where there is potential for run-off to sensitive areas. To allow sufficient soil penetration, do not apply late in the season close to freeze up. For further definitions of soil type, refer to the "SOIL DEFINITIONS" section. If help is required to identify soil conditions of environmental concern, contact the DuPont Canada representative.

DO NOT apply by ground application within 50 metres of water bodies.

Observe provincial guidelines or regulations that regulate treatment on slopes, establishment of buffer zones around water bodies and guidelines that prescribe the manner in which treatments may be applied. In the absence of such guidelines or regulations, read and observe the section "TREATMENT ON SLOPES".

SOIL DEFINITIONS

Gravelly soils are soils having more than 70% by volume of coarse fragments (gravel, cobbles or stones) with too little fine fraction to fill spaces larger than 1 mm.

Rocky soils are soils where 25-90% is occupied by rock outcrops and most of the remainder by shallow soils.

Light or coarse textured soils consist of sand, loamy sand, sandy loam.

Medium textured soils consist of loam, silt loam, silt, sandy clay, and sandy clay loam.

Heavy or fine textured soils consist of silty clay, silty clay loam, clay, and clay loam.

TREATMENT ON SLOPES

To reduce down-slope movement of the herbicide or treated soil particles into sensitive areas (for example aquatic systems or wetlands) consider the characteristics/conditions of the site before treatment. Site characteristics/ conditions that may lead to such occurrences following heavy rainfall include compacted soils, fine textured soils, absence of organic layer, absence of harvest residue or forest floor litter and angle of slope. Potential for contamination of sensitive areas as a result of runoff will be reduced by inclusion of a buffer-zone at or near the bottom of the slope.

GENERAL INFORMATION

VELPAR® ULW Herbicide is a granular herbicide to be distributed in a uniform broadcast pattern for selective control of certain weeds in woodland management areas of less than 500 ha for site preparation prior to planting conifers.

Rainfall dissolves the chemical (hexazinone) from the granules and moves the herbicide into the root zone where it is absorbed during periods of active plant growth.

- VELPAR® ULW Herbicide provides preemergence and postemergence control of undesirable vegetation.
- Applications to plants before leaves are fully expanded are more effective than later treatments.
- Best results are obtained when VELPAR® ULW Herbicide is present in the root zone during the period of active growth of the target vegetation.
- Symptoms usually appear in herbaceous broadleaf weeds and grasses within 2 weeks after application under warm, humid conditions, while 4 to 6 weeks may be required when weather is cool. If rainfall after application is inadequate to activate VELPAR® ULW Herbicide in the soil, plants may continue to grow until sufficient rainfall moves VELPAR® ULW Herbicide into the root zone.
- Symptoms usually appear within 3 weeks in actively growing woody plants after sufficient rainfall has carried the herbicide into the root zone.
- Defoliation and subsequent refoliation may occur until root reserves are exhausted at which time susceptible plants die. The degree of control and duration of effect will vary with amount of chemical applied, soil texture, depth of organic layer, rainfall, temperature, weed species, soil moisture, soil type and season of application.
- Moisture is required to activate VELPAR® ULW Herbicide in the soil.
- The effectiveness of VELPAR® ULW Herbicide may be reduced as the level of organic

matter in the soil increases.

DIRECTIONS FOR USE

VELPAR® ULW Herbicide may be applied by aerial or ground equipment. Calibrate equipment before application.

VELPAR® ULW Herbicide should be used only in accordance with directions on this label.

GROUND APPLICATION:

The Ground Application of VELPAR® ULW Herbicide is to be conducted using only DuPont approved ground application equipment that is capable of distributing the granules uniformly over the area to be treated. Consult with DuPont Canada Inc. for equipment that will distribute the granules uniformly. DO NOT apply within 50 meters of water bodies. DO NOT use on gravelly soils, rocky soils or soils, which are sandy or coarse, textured.

Apply 2.5-5.3 kg of VELPAR® ULW Herbicide per hectare on medium to fine textured soils. For medium textured soils, use the lower rate. Use the higher rate on fine textured soils or those higher in organic matter.

SPECIES CONTROLLED:	Brome Grass	(<i>Bromus</i> spp.)
	Blue Joint Grass	(<i>Calamagrostis</i> spp.)
	Goldenrod	(<i>Solidago</i> spp.)
	Raspberries	(<i>Rubus</i> spp.)

PLANTING GUIDELINES

Black spruce, white spruce, red pine and bare root jack pine stock may be planted into newly treated sites on medium and fine textured soils where the organic layer has not been removed, following an application of 2.8 kg/ha of VELPAR® ULW Herbicide. A delay in planting is recommended until there is adequate moisture to activate the herbicide in the soil. Generally, once the symptoms of the herbicide are showing in plants, then it is safe to plant the above-noted crop trees. DO NOT plant into the above treated areas if conditions are not favourable for the crop trees to establish themselves immediately. If rates greater than 2.8 kg/ha were used, or if the organic layer has been removed or severely disturbed, or if lodgepole pine or container jackpine stock is to be planted, delay planting until the season following treatment.

RESISTANCE MANAGEMENT

For resistance management VELPAR® ULW Herbicide, is a Group 5 herbicide. Any weed population may contain or develop plants naturally resistant to VELPAR® ULW Herbicide and other Group 5 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 used of VELPAR® ULW Herbicide or other Group 5 herbicides with different group when such use is permitted.
- ◆ 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, fertilizers, seed, food or feed. Not for use or storage in or around the home. Keep container closed when not in use.

DECONTAMINATION

Clean equipment by thoroughly rinsing with water and disposing of the rinsings by burying them in a non-crop, non-grazed area away from water supplies.

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.

Purchase of this material does not confer any rights under the patents of countries outside Canada.

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