

**VELPAR® WEED KILLER HERBICIDE**

<b>GROUP</b>	<b>5</b>	<b>HERBICIDE</b>
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FOR SALE FOR USE ON LOWBUSH BLUEBERRIES ONLY  
Soluble Powder

COMMERCIAL

**NET CONTENTS:** 22.68 kg

READ THE LABEL BEFORE USING

Warning, contains the allergen sulfites.

GUARANTEE: Hexazinone 90%

REGISTRATION NO. 14163 PEST CONTROL PRODUCTS ACT

**PRECAUTIONS:**

- KEEP OUT OF REACH OF CHILDREN
- DANGER – IRRITATES EYES
- May irritate nose, throat and skin.
- Avoid breathing dust or spray mist.
- Avoid contact with skin, eyes and clothing.
- DO NOT APPLY BY AIR
- Wear a long-sleeved shirt, long pants and shoes plus socks during application. In addition, wear chemical-resistant gloves and goggles or a face shield during mixing/loading, clean-up or repair activities and when using handheld application equipment.
  
- FOR USE ON LOWBUSH BLUEBERRIES: Do not enter or allow entry into treated area until 48 hours after application.

Tessenderlo Kerly, Inc.  
2255 N. 44th Street - Suite 300  
Phoenix, AZ 85008-3279  
United States  
1-800-525-2803

**FIRST AID:**

**INHALATION:** 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.

**EYE CONTACT:** 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.

**SKIN OR CLOTHING CONTACT:** 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.

**INGESTION:** Call a poison control centre or doctor 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.

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

For medical emergencies call 1-800-525-2803 (24 hours).

**TOXICOLOGICAL INFORMATION:** Treat Symptomatically.

**IMPORTANT**

Injury to or loss of desirable trees or other plants 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 dry powder or spray to desirable plants. DO NOT contaminate any body of water. Keep from contact with fertilizers, insecticides, fungicides and seeds.

**GENERAL INFORMATION**

VELPAR® Weed Killer Herbicide is a water-soluble powder to be mixed in water and applied as a spray. It is non-volatile, non-flammable and non-corrosive to equipment.

VELPAR® Weed Killer Herbicide is an effective general herbicide for the control of many annual and biennial weeds, woody vines, and is particularly effective for control of most perennial weeds. VELPAR® Weed Killer Herbicide is readily absorbed through the foliage and usually exhibits a high degree of contact activity. The degree of control and duration of effect will vary with the amount of chemical applied, rainfall, temperature, soil texture and other conditions.

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

**DIRECTIONS FOR USE:**

Apply VELPAR® Weed Killer Herbicide as a postemergence spray during active plant growth. Do not apply when vegetation is dormant or semi-dormant as the treatment may not be effective. Before spraying, calibrate equipment to determine the quantity of water necessary to uniformly and thoroughly cover the vegetation in a measured area to be treated. Weigh the proper amount of VELPAR® Weed Killer Herbicide and mix into the necessary volume of water.

Use of concentrations greater than shown in the WATER TEMPERATURE/SOLUBILITY TABLE\* may result in nozzle plugging and uneven application.

WATER TEMPERATURE/SOLUBILITY TABLE\*

Water Degrees C	Maximum kg/1000 L
24	23
21	20
18	18
15.5	16
13	14
10	13
4.5	12

Use a fixed-boom power sprayer properly calibrated to a constant speed and rate of delivery. For application with a handgun sprayer, use at least 1600 L spray per ha. For treating small areas, a tank-type hand sprayer or sprinkling can may be used.

**LOWBUSH BLUEBERRIES:**

Apply VELPAR® Weed Killer Herbicide at 1.60 to 2.25 kg per hectare in the spring after burning operations but before blueberries emerge. VELPAR® Weed Killer Herbicide controls most common grasses and many perennial broadleaved weeds, and such woody weeds as trailing blackberry, lamb-kill and hardhack. Canada blueberry (*Vaccinium myrtilloides*) and some clones of the lowbush blueberry (*Vaccinium angustifolium*) are sensitive. Temporary defoliation of the lower leaves of the lowbush blueberry will occur but plants recover.

Apply 1.6 kg/ha to light soils and 2.25 kg/ha to heavier soils. Do not apply VELPAR® Weed Killer Herbicide to extremely sandy or gravelly soils, or where the terrain does not permit even and accurate application. Avoid treating fields that may be subject to erosion following improved weed control, or areas of fields that are wet or poorly drained. Overlapping applications or those made after blueberries emerge may cause severe crop injury.

**WEEDS CONTROLLED  
(in blueberries only)**

colonial bent grass	( <i>Agrostis capillaris</i> )
poverty oat grass	( <i>Danthonia spicata</i> )
blue grass	( <i>Poa pratensis</i> )
sheep fescue	( <i>Festuca ovina</i> )
Timothy	( <i>Phleum pratense</i> )
Boreal Panic-grass	( <i>Panicum boreale</i> )
yellow rattle	( <i>Rhinanthus crista-galli</i> )
Goldenrod	( <i>Solidago spp</i> )
Aster	( <i>Aster spp</i> )
Yarrow	( <i>Achillea millefolium</i> )
Cinquefoil	( <i>Potentilla spp</i> )
wild strawberry	( <i>Fragaria</i> )
Hawkweed	( <i>Hieracium spp</i> )
Fireweed	( <i>Epilobium angustifolium</i> )
pearly everlasting	( <i>Anaphalis margaritacea</i> )
ox-eye daisy	( <i>Chrysanthemum leucanthemum</i> )
black medic	( <i>Medicago lupulina</i> )
trailing blackberry	( <i>Rubus hispidus</i> )
Hardhack	( <i>Spiraea tomentosa</i> )
lamb-kill	( <i>Kalmia angustifolia</i> )
wild red raspberry	( <i>Rubus idaeus</i> )
Poplar	( <i>Populus spp</i> )

Field sprayer application: DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. DO NOT apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) coarse classification. Boom height must be 60 cm or less above the crop or ground.

**Buffer Zones:**

Use of the following spray methods or equipment DO NOT require a buffer zone: hand-held or backpack sprayer and spot treatment.

For application to rights-of-way, buffer zones for protection of sensitive terrestrial habitats are not required; however, the best available application strategies which minimize off-site drift, including meteorological conditions (e.g. wind direction, low wind speed) and spray equipment (e.g. coarse droplet sizes, minimizing height above canopy), should be used. Applicators must, however, observe the specified buffer zones for protection of sensitive aquatic habitats.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands) and sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

Method of application	Crop	Buffer Zones (metres) required for the protection of:		
		Freshwater Habitat of Depths:		Terrestrial habitat
		Less than 1 m	Greater than 1 m	
Field Sprayer*	Blueberries	1	1	5

\* For field sprayer application, buffer zones can be reduced with the use of drift reducing spray shields. When using a spray boom fitted with a full shield (shroud, curtain) that extends to the crop canopy, the labelled buffer zone can be reduced by 70%. When using a spray boom where individual nozzles are fitted with cone-shaped shields that are no more than 30 cm above the crop canopy, the labelled buffer zone can be reduced by 30%.

NOTE: Applicators may recalculate a site-specific buffer zone by combining information on current weather conditions and spray configuration for the following applications: all airblast applications, and for field and aerial applications which specify the following droplet size category wording on the product label: 'DO NOT apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) coarse classification.' To access the Buffer Zone Calculator, please visit the Pest Management Regulatory Agency web site.

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

For resistance management, VELPAR® Weed Killer Herbicide is a Group 5 herbicide. Any weed population may contain or develop plants naturally resistant to VELPAR® Weed Killer Herbicide and other Group 5 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 VELPAR® Weed Killer Herbicide or other Group 5 herbicides with different 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 Tessenlerlo Kerly, Inc representative or the Tessenlerlo Kerly Inc. hotline at 1-800-525-2803 for further information.

#### **ENVIRONMENTAL HAZARDS**

Toxic to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sandy soil) and/or the water table is shallow.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.

Avoid application when heavy rain is forecast.

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

**STORAGE:**

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

**DISPOSAL:**

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 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 spills and for cleanup 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.

In some cases, tank mixing a pest control product with another pest control product or a fertilizer can result in biological effects that could include, but are not limited to: reduced pest efficacy or increased host crop injury. The user should contact Tessenderlo Kerly Inc. at 1-800-525-2803 for information before mixing any pesticide or fertilizer that is not specifically recommended on this label. The user assumes the risk of losses that result from the use of tank mixes that do not appear on this label or that are not specifically recommended by Tessenderlo Kerly, Inc.

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