

{Booklet Label}

**SureGuard® Herbicide**

HERBICIDE  
Water Dispersible Granules  
COMMERCIAL

Pre-emergence weed control in container and field-grown ornamental deciduous and coniferous trees including non-bearing fruit and nut trees, Christmas trees and trees produced for reforestation, poplar, willow and aspen produced for short-rotation-intensive-culture, and to maintain bare ground non-crop areas.

**ACTIVE INGREDIENT:**

Flumioxazin.....51.1%

**READ THE LABEL BEFORE USE**

Warning: This product contains the allergen sulfite.

REGISTRATION NO.: 29236  
PEST CONTROL PRODUCTS ACT

GROUP	14	HERBICIDE
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**CAUTION - POISON**

**Net Contents: 2.27 kg**

Valent Canada, Inc.  
3-728 Victoria Road South  
Guelph, Ontario, Canada  
N1L 1C6  
(519)-767-9262  
[www.valent.ca](http://www.valent.ca)

## 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.

## FIRST AID

- 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 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 INHALED:** Move the person to fresh air. If the 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.
- IF SWALLOWED:** Call a poison control centre or doctor immediately for treatment advice. Have the 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.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL OR POISONING CALL  
1-800-682-5368***

## TOXICOLOGICAL INFORMATION

There is no specific antidote for this product. Apply symptomatic therapy.

## PRECAUTIONS

**KEEP OUT OF REACH OF CHILDREN.** Avoid breathing dust and spray mist. Avoid contact with skin, eyes or clothing. Harmful if inhaled.

Wear protective goggles or face-shield when handling the concentrated product. Do not eat, drink or smoke during work. Wash hands and face thoroughly before eating, drinking, smoking, chewing gum, or using the toilet. Immediately wash off accidental splashes of the concentrate or spray mixture from skin, clothing and out of eyes. Remove clothing immediately if pesticide gets inside. Wash thoroughly and put on clean clothing. After

work, change clothing and wash entire body thoroughly. Wash contaminated working clothes separately from other laundry before reuse.

Follow mixer/loader and applicator scenario, as appropriate in the chart below. In addition, wear coveralls over long-sleeved shirt and long pants, chemical-resistant gloves, socks and shoes, goggles or faceshield, during clean-up and repair activities.

Equipment	Personal Protective Equipment		Maximum amount of product handled per day
	Mixer/Loader	Applicator	
Groundboom	Chemical-resistant coveralls over long sleeved shirt and long pants, chemical-resistant gloves, socks and shoes, and goggles or faceshield	<b>Open cab:</b> coveralls over long-sleeved shirt, long pants, socks and shoes, and chemical-resistant gloves, and respirator with a NIOSH/MSHA/BHSE approved organic-vapour-removing cartridge with a prefilter approved for pesticides, or a NIOSH/MSHA/BHSE approved canister approved for pesticides	37 kg
		<b>Closed cab:</b> long-sleeved shirt, long pants, socks and shoes. (No gloves are required, but must be available for maintenance activities)	
Right-of-Way sprayer	Chemical-resistant coveralls over long-sleeved shirt and long pants, chemical-resistant gloves, socks and shoes. Mixers and loaders must also wear goggles or faceshield.		7.0 kg
Backpack or High-pressure handwand equipment	Coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes, and respirator with a NIOSH/MSHA/BHSE approved organic-vapour-removing cartridge with a prefilter approved for pesticides, or a NIOSH/MSHA/BHSE approved canister approved for pesticides. Mixers and loaders must also wear goggles or faceshield.		1.2 kg
Low-pressure Hand-held Equipment			0.315 kg

Do not apply when weather conditions favour spray drift from treated areas. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Keep all unprotected persons out of operating areas, or vicinity where there may be drift. Only protected handlers may be in the area during application.

Do not enter or allow entry into treated areas until the sprays have dried in non-crop bare ground use areas. Do not enter or allow worker entry into treated areas until the restricted entry interval of 12 hours for all crop uses.

Do not apply to fine-textured soils.

Do not graze treated fields or feed treated forage or hay to livestock.

Do not apply to farm alleys or roads where traffic may result in treated dust settling onto crops or other desirable vegetation.

Do not apply within 100 metres of non-dormant pears.

Do not apply to powdery soils or soils that are susceptible to wind displacement unless irrigation can be applied immediately after application.

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 Valent Canada, Inc.

Read and understand the entire label before opening this product. If you have any questions, call the manufacturer at 1-800-682-5368 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:

#### **ENVIRONMENTAL HAZARDS**

This product is toxic to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE. Toxic to small wild mammals. Toxic to certain beneficial insects. Minimize spray drift to reduce harmful effects on beneficial insects in habitats next to the application site such as hedgerows and woodland.

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.

#### **DISPOSAL/DECONTAMINATION**

**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 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.

#### **STORAGE:**

Do not contaminate water, food or feed by storage. Keep pesticide in original container. Store in a cool, dry, secure place. Do not put formulation or dilute spray solution into food or drink containers. Do not store or transport near feed or food. Not for use or storage in or around the home. To prevent contamination, store this product away from food or feed.

### **RESISTANCE MANAGEMENT RECOMMENDATIONS**

For resistance management SureGuard Herbicide contains a Group 14 herbicide. Any weed population may contain or develop plants naturally resistant to SureGuard Herbicide and other Group 14 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 SureGuard Herbicide or other Group 14 herbicides with different herbicide groups that control the same weeds in the 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 advisor for any additional pesticide resistance-management and/or or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information and to report suspected resistance, contact Valent Canada, Inc. at 1-800-682-5368 or at [www.valent.ca](http://www.valent.ca).

### **GENERAL INFORMATION**

SureGuard Herbicide provides residual control of susceptible weeds in field-grown ornamental deciduous and coniferous trees including Christmas trees and trees produced for reforestation, poplar, willow and aspen produced for short-rotation-intensive-culture, and to maintain bare ground non-crop areas in and around ornamental nurseries when used in

accordance with this label. SureGuard Herbicide is effective as a preemergence herbicide, for control of selected grass and broadleaf weeds. SureGuard Herbicide controls weeds by inhibiting protoporphyrinogen oxidase, an essential enzyme required by plants for chlorophyll biosynthesis. Seedling weeds are controlled preemergence when exposed to sunlight following contact with the soil applied herbicide. Preemergence weed control with SureGuard Herbicide is most effective when applied to clean, weed-free soil surfaces. Disturbing soil surfaces may reduce herbicide efficacy.

SureGuard Herbicide offers residual control of susceptible grass and broadleaf weeds listed on this label and assists in the control of acetolactate synthase (ALS) resistant weeds. The length of residual control is dependent on the application rate as well as on rainfall and temperature conditions. Length of residual control will decrease as temperature and precipitation increase and on soils of high organic matter and/or high clay content.

## **GENERAL DIRECTIONS FOR USE**

### **SPRAYER AND APPLICATION INFORMATION**

Apply using ground application equipment only. Before applying SureGuard Herbicide, start with clean, well maintained application equipment. Nozzles should be uniformly spaced on boom and frequently checked for accuracy. For broadcast application, apply SureGuard Herbicide with ground equipment using standard commercial sprayers equipped with nozzles designed to deliver the desired spray pressure and spray volume. When banding, use proportionately less water and SureGuard Herbicide per hectare.

Equipment with SureGuard Herbicide residues remaining in the system may result in crop injury to the subsequently treated crop. Spray equipment used to apply SureGuard Herbicide should not be used to apply other materials to any plant foliage. Spray equipment must be cleaned each day following SureGuard Herbicide application. After SureGuard Herbicide is applied, the following steps must be used to clean the spray equipment:

1. Completely drain the spray tank, rinse the sprayer thoroughly, including the inside and outside of the tank and all in-line screens. Fill the spray tank with clean water and flush all hoses, booms, screens and nozzles.
2. Top off tank, add 4 L of 3% household ammonia for every 400 L of water, circulate through sprayer for 5 minutes, and then flush all hoses, booms, screens and nozzles for a minimum of 15 minutes.
3. Drain tank completely.
4. Add enough clean water to the spray tank to allow all hoses, booms, screens and nozzles to be flushed for 3 minutes.
5. Remove all nozzles and screens and rinse them with clean water.
6. Do not contaminate water, food or feed by cleaning of equipment.

### **MIXING INSTRUCTIONS**

1. Fill clean spray tank 1/2 to 2/3 of desired level with clean water. Engage gentle agitation.
2. While agitating, slowly add SureGuard Herbicide to the spray tank. Agitation should create a rippling or rolling action on the water surface.

3. If tank mixing SureGuard Herbicide with other labelled herbicides, add water soluble bags first, followed by dry formulations, flowables, emulsifiable concentrates and then solutions. Prepare no more spray mixture than is required for the immediate spray operation.
  4. Add adjuvants or surfactants, if recommended.
  5. Fill spray tank to desired level with water. **Agitation should continue until spray solution has been applied.**
  6. Mix only the amount of spray solution that can be applied the day of mixing. SureGuard Herbicide should be applied within 6 hours of mixing.
- As this pesticide is not registered for the control of pests in aquatic systems, **DO NOT** use to control aquatic pests.
  - **DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

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 S572.1) medium classification. Boom height must be 60 cm or less above the crop or ground.

**DO NOT** apply by air.

Use caution when applying under circumstances where possible drift to unprotected persons or food, forage or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption can occur.

Use the largest droplet size consistent with acceptable efficacy. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much pressure.

Make application when the wind velocity favours on-target product deposition.

Do not make applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with increasing distance above the ground. Mist or fog may indicate the presence of an inversion in humid areas. Where permissible by local regulations, the applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift. Avoid spraying during conditions of low humidity and/or high temperatures.

All ground application equipment must be properly maintained and calibrated using appropriate carriers.

## **BUFFER ZONES:**

Use of the following spray methods or equipment **DO NOT** require a buffer zone: hand-held or backpack sprayer and spot treatment, or low-clearance hooded or shielded sprayers that ensure spray drift does not come in contact with orchard crop fruit or foliage.

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 terrestrial and 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), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of application	Crop	Buffer Zones (metres) Required for the Protection of:				
		Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:		Terrestrial habitat
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer	In-field ornamental trees	5	2	1	1	20
	Bare ground, non-crop uses	5	2	1	1	25*

\* Buffer zones for the protection of terrestrial habitats are not required for use on rights-of-way including railroad ballast, rail and hydro rights-of-way, and utility easements.

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

**The spray drift buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the Pest Management Regulatory Agency web site.**



**NOTE TO BUYER/USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR SPECIAL USE APPLICATIONS:**

The DIRECTIONS FOR USE for this product for the uses described in this section of the label were developed by persons other than Valent Canada, Inc. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Valent Canada, Inc. itself makes no representation or warranty with respect to performance (efficacy) and/or crop tolerance (phytotoxicity) claims for this product when used in accordance with this label. Accordingly, the user assumes risk of damage or loss resulting from such use and agrees to hold Valent Canada, Inc. harmless from any claims based on efficacy and/or phytotoxicity in connection with the use described on this label.

**DIRECTIONS FOR USE IN CONTAINER AND FIELD-GROWN ORNAMENTAL DECIDUOUS AND CONIFEROUS TREES INCLUDING NON BEARING FRUIT AND NUT TREES, CHRISTMAS TREES AND TREES PRODUCED FOR REFORESTATION, POPLAR, WILLOW, and ASPEN PRODUCED FOR SHORT-ROTATION-INTENSIVE-CULTURE, AND TO MAINTAIN BARE GROUND NON-CROP AREAS**

SureGuard Herbicide offers residual control of susceptible broadleaf and grass weeds listed on this label and assists in the control of acetolactate synthase (ALS) resistant weeds. The length of residual control is dependent on application rate as well as on rainfall and temperature conditions. Length of residual control will decrease as temperature and precipitation increase and on soils of high organic matter and/or high clay content.

- Do not apply to fine-textured soils.
- Do not apply in enclosed greenhouse structures as injury to plant foliage may occur.
- Do not apply when weather conditions favor spray drift from treated areas.
- Do not incorporate into soil after application.
- Do not apply this product through any type of irrigation system.
- Only apply to healthy established trees and ornamentals. Do not apply when plants are under stress from insects, diseases, animals or winter injury, planting shock or any other stresses.
- Do not make more than two applications in a growing season.
- Do not treat the same plants more than 1 time every 8 weeks.
- Do not apply to moist or wet plant foliage.
- Do not place treated containers in an enclosed structure until receiving 2.5 cm of irrigation or rainfall and for 7 days after treatment.
- Do not apply to concrete or other impermeable surfaces.
- Do not apply in residential or commercial landscapes.
- Do not apply to farm alleys or roads where traffic may result in treated dust settling onto crops or other desirable vegetation.
- Do not apply within 100 metres of non-dormant pears.
- Do not apply to powdery soils or soils that are susceptible to wind displacement unless irrigation can be applied immediately after application.
- Do not apply by air. Apply using ground application equipment only.

Ornamental tree species vary in their tolerance to SureGuard Herbicide. Only those trees listed as "tolerant" on this label have shown tolerance to this product. For the list of tolerant ornamental tree species refer to the Tolerant Coniferous Tree Species Table or the Tolerant Deciduous Tree Species Table of this label. SureGuard Herbicide is a very active herbicide and the user should exercise caution until gaining familiarity with this

product. For ornamental tree species not listed on this label, due to variability within and among species, crop growth stage, environmental conditions and application techniques, users should first test SureGuard Herbicide on a small number of actively growing plants under local conditions and their standard production practices. Prior to treating the entire crop, examine test plants for 4-8 weeks for symptoms of phytotoxicity. Testing SureGuard Herbicide on a small number of plants will determine whether the product is suitable for widespread application.

Spotting or speckling on ornamentals may be observed following an application of SureGuard Herbicide if the spray solution directly contacts actively growing plant foliage. Leaves that receive indirect (drift) spray contact may be affected in a similar manner. Translocation of SureGuard Herbicide is limited, thus established vigorous growing ornamentals outgrow this condition rapidly and develop normally.

Moisture is necessary to activate SureGuard Herbicide in soil for residual weed control. Dry weather following applications of SureGuard Herbicide may reduce effectiveness. However, when adequate moisture is received after dry conditions, SureGuard Herbicide will control susceptible germinating weeds. SureGuard Herbicide may not control weeds that germinate after application but before an activating rainfall/irrigation or weeds that germinate through cracks resulting from dry soil.

When adequate moisture is not received after a SureGuard Herbicide application, weed control may be improved by irrigation with at least ½ to 1 cm of water. Weed control will be reduced if there is mechanical incorporation into the soil or if emerged weeds are controlled by cultivation.

**BAND APPLICATION**

When banding, use proportionately less water and SureGuard Herbicide per hectare.

**BACKPACK APPLICATION**

When applying SureGuard Herbicide with a backpack sprayer follow all above sprayer and application information. Backpack sprayers should be calibrated to deliver approximately 1000 L of spray solution per hectare with 10 L of spray solution covering 100 m<sup>2</sup>.

SureGuard Herbicide RATES g/ha	SureGuard Herbicide RATES g/100m <sup>2</sup>	SureGuard Herbicide RATES g/10 L
280	2.8	2.8
420	4.2	4.2

**APPLICATION TO CONTAINER and FIELD-GROWN CONIFEROUS TREES, INCLUDING CHRISTMAS TREES AND TREES PRODUCED FOR REFORESTATION**

**SureGuard Herbicide** may be applied to established container and field-grown coniferous trees. The coniferous tree species listed in the “Tolerant Coniferous Trees” Section below have shown tolerance to applications of SureGuard Herbicide only when applied to hardened off plant material. All over the top applications of SureGuard Herbicide should be applied prior to bud swell in the spring or delayed until coniferous trees have sufficiently hardened off in the fall prior to herbicide application. During periods of cool, cloudy weather, use caution to ensure coniferous trees have hardened off prior to herbicide application. Do not apply to coniferous trees within 1 year of seedling emergence. Do not enter treated areas for handline irrigation for a period of 6 days after application.

For non-dormant coniferous ornamentals, applications may be made using a directed hooded or shielded spray.

Avoid direct spray onto plant surfaces, foliage and green bark. SureGuard Herbicide applications made after bud swell may result in injury if herbicide contacts foliage of trees. Splashing of herbicide treated soil onto foliage can result in injury and should be avoided.

SureGuard Herbicide will provide preemergence control of listed broadleaf weeds and grasses, and should be applied to a tilled, weed-free surface. SureGuard Herbicide may be incorporated with 1-2 cm of water following application. Mechanically incorporating SureGuard Herbicide will disturb soil surfaces, which may reduce herbicidal efficacy. Do not apply to moist or wet plant foliage.

#### **TOLERANT CONIFEROUS TREES**

<b>Common Name</b>	<b>Scientific Name</b>
Eastern White Cedar	<i>Thuja occidentalis</i>
Oriental Cedar	<i>Thuja orientalis</i>
Fir, Douglas	<i>Pseudotsuga menzesii</i>
Fir, Balsam	<i>Abies balsamea</i>
Fir, Fraser	<i>Abies fraseri</i>
Fir, Concolor	<i>Abies concolor</i>
Fir, Cork Bark	<i>Abies lasiocarpa</i>
Fir, Grand	<i>Abies grandis</i>
Fir, Noble	<i>Abies procera</i>
Hemlock, Eastern	<i>Tsuga canadensis</i>
Hemlock, Western	<i>Tsuga heterophylla</i>
Juniper, Blue Star	<i>Juniperus scopularum</i>
Juniper, Creeping	<i>Juniperus horizontalis</i>
Juniper, Japanese Garden	<i>Juniperus chinensis</i>
Juniper, Tamarix	<i>Juniperus sabina</i>
Pine, Austrian	<i>Pinus nigra</i>
Pine, Eastern White	<i>Pinus strobus</i>
Pine, Jack	<i>Pinus banksiana</i>
Pine, Lodgepole	<i>Pinus contorta</i>
Pine, Mugo	<i>Pinus mugo</i>
Pine, Ponderosa	<i>Pinus ponderosa</i>
Pine, Scotch	<i>Pinus sylvestris</i>
Spruce, Blue	<i>Picea pungens</i>
Spruce, Dwarf Alberta	<i>Picea glauca conica</i>
Spruce, Norway	<i>Picea abies</i>
Spruce, Sitka	<i>Picea sitchensis</i>
Yew, English	<i>Taxus baccata</i>
Yew, Japanese	<i>Taxus cuspidata</i>

## **APPLICATION TO CONTAINER AND FIELD-GROWN DECIDUOUS TREES, INCLUDING NON-BEARING FRUIT and NUT TREES**

SureGuard Herbicide may be applied to established container and field-grown deciduous trees. Preemergence applications of SureGuard Herbicide should be made to tilled, weed-free and deciduous tree plantings. The deciduous trees species listed in the “Tolerant Deciduous Trees” section below have shown tolerance to applications of SureGuard Herbicide only when applied to the soil and base of the plant.

For maximum safety to deciduous trees, directed applications of SureGuard Herbicide should be made to the soil surface prior to bud swell in the spring or after dormancy has initiated in the fall. Direct application of SureGuard Herbicide to the soil surface and away from plant material. Avoid direct spray onto plant surfaces, flowers, foliage and green bark. SureGuard Herbicide applications made after bud swell may result in injury if herbicide contacts foliage of trees. Splashing of herbicide treated soil onto foliage can result in injury and should be avoided.

Avoid making applications under environmental conditions that favour a drift to non-targeted areas. Do not apply to trees established less than 1 year, unless protected from spray contact by non-porous wraps, grow tubes or waxed containers. Newly established or transplanted trees should be sufficiently watered-in prior to application to settle soil around the plant.

Mechanically incorporating SureGuard Herbicide will disturb soil surfaces, which may reduce herbicidal efficacy. The use of spray shields that limit exposure of foliage and bark to SureGuard Herbicide is required.

### **TOLERANT DECIDUOUS TREES\***

<b>Common Name</b>	<b>Scientific Name</b>
Apricot*	<i>Prunus</i> spp.
Ash	<i>Fraxinus</i> spp.
Birch	<i>Betula</i> spp.
Buckeye	<i>Aesculus</i> spp.
Cherry*	<i>Prunus</i> spp.
Chestnut	<i>Castanea</i> spp.
Dogwood	<i>Cornus</i> spp.
Ginkgo	<i>Ginkgo</i> spp.
Hawthorn	<i>Crataegus</i> spp.
Honeylocust	<i>Gleditsia</i> spp.
Larch	<i>Larix</i> spp.
Lilac	<i>Syringa</i> spp.
Maple**	<i>Acer</i> spp.
Oak	<i>Quercus</i> spp.
Poplar	<i>Populus</i> spp.
Peach*	<i>Prunus</i> spp.
Plum*	<i>Prunus</i> spp.
Pecan*	<i>Carya</i> spp.
Redbud	<i>Cercis canadensis</i>
Sweetgum	<i>Liquidambar styraciflua</i>
Sycamore	<i>Platanus</i> spp.
Walnut, Black	<i>Juglans nigra</i>

Willow

*Salix* spp.

\*Non-bearing trees only.

\*\* Not for use on maple trees used for production of maple syrup or sap.

**APPLICATION TO BARE GROUND NON-CROP AREAS**

Apply SureGuard Herbicide only to:

- Bare ground in and around ornamental nurseries.
- Bare ground in parking and storage areas, plant sites, substations, pumping stations, oil yards/substations and tank farms.
- Bare ground areas of airports, brick yards, industrial plant sites, lumber yards, and storage areas.
- Bare ground areas around buildings and other structures. Do not apply within any enclosed structure.
- Bare ground along fence rows.
- Gravel surfaces and driveways.
- Do not apply by air. Apply using ground application equipment only.
- Do not make more than two applications in a growing season.

**CONTAINER AND FIELD-GROWN ORNAMENTAL DECIDUOUS AND CONIFEROUS TREES INCLUDING NON-BEARING FRUIT AND NUT TREES, CHRISTMAS TREES AND TREES PRODUCED FOR REFORESTATION, POPLAR, WILLOW, and ASPEN PRODUCED FOR SHORT-ROTATION-INTENSIVE-CULTURE, AND TO MAINTAIN BARE GROUND NON-CROP AREAS - Application Rates and Weed Claims**

<b>WEEDS CONTROLLED</b>	<b>Soil Type<sup>1</sup></b>	<b>RATE (g/ha)</b>	<b>COMMENTS</b>
Redroot pigweed ( <i>Amaranthus retroflexus</i> ) Green pigweed ( <i>Amaranthus powellii</i> ) Common chickweed ( <i>Stellaria media</i> ) Common ragweed ( <i>Ambrosia artemisiifolia</i> ) Common lamb's-quarters ( <i>Chenopodium album</i> ) Green foxtail ( <i>Setaria viridis</i> ) Hairy nightshade ( <i>Solanum sarachoides</i> ) Dandelion ( <i>Taraxacum officinale</i> ) Eastern black nightshade ( <i>Solanum ptycanthum</i> ) Kochia ( <i>Kochia scoparia</i> ) including Group 2, 4, and 9 resistant kochia Canada fleabane ( <i>Conyza canadensis</i> ) Common waterhemp ( <i>Amaranthus rudis</i> ) Palmer amaranth ( <i>Amaranthus palmeri</i> )	Coarse-textured, with <5% organic matter	280	Preemergence: Apply prior to weed emergence.
Suppression only Moss Volunteer canola ( <i>Brassica napus</i> ) including glyphosate, glufosinate and imidazolinone tolerant varieties Liverwort	Medium-textured, with <5% organic matter	420	Postemergence: When weeds are already emerged, apply SureGuard Herbicide as a tank mix <sup>2</sup> with a glyphosate product, present as isopropyl amine or potassium salt, at 1.2 kg a.i./ha. Apply only as a directed shielded or hooded spray to established trees.

<sup>1</sup>: Do not apply on soils with > 5% OM, or fine-textured soils.

<sup>2</sup>: Refer to the respective tank mix partner label for additional recommendations, restrictions and precautions. Follow the most restrictive application directions for each of the tank mix partners.

SureGuard® is a registered trademark of Valent U.S.A. LLC

{Base Container Label}

**SureGuard® Herbicide**

HERBICIDE  
Water Dispersible Granules  
COMMERCIAL

Pre-emergence weed control in container and field-grown ornamental deciduous and coniferous trees including non-bearing fruit and nut trees, Christmas trees and trees produced for reforestation, poplar, willow and aspen produced for short-rotation-intensive-culture, and to maintain bare ground non-crop areas.

<b>ACTIVE INGREDIENT:</b>	
Flumioxazin.....	51.1%

**READ THE LABEL BEFORE USE**

Warning: This product contains the allergen sulfite.

REGISTRATION NO.: 29236  
PEST CONTROL PRODUCTS ACT

GROUP	<b>14</b>	HERBICIDE
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**CAUTION - POISON**

**Net Contents: 2.27 kg**

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3-728 Victoria Road South  
Guelph, Ontario, Canada  
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## 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.

## FIRST AID

- 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 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 INHALED:** Move the person to fresh air. If the 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.
- IF SWALLOWED:** Call a poison control centre or doctor immediately for treatment advice. Have the 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.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL OR POISONING CALL  
1-800-682-5368***

## TOXICOLOGICAL INFORMATION

There is no specific antidote for this product. Apply symptomatic therapy.

## PRECAUTIONS

**KEEP OUT OF REACH OF CHILDREN.** Avoid breathing dust and spray mist. Avoid contact with skin, eyes or clothing. Harmful if inhaled.

Follow mixer/loader and applicator scenario on the attached label.

In addition, wear coveralls over long-sleeved shirt and long pants, chemical-resistant gloves, socks and shoes, goggles or faceshield, during clean-up and repair activities.



## **ENVIRONMENTAL HAZARDS**

This product is toxic to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE. Toxic to small wild mammals. Toxic to certain beneficial insects. Minimize spray drift to reduce harmful effects on beneficial insects in habitats next to the application site such as hedgerows and woodland.

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.

## **DISPOSAL/DECONTAMINATION**

**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 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.

### **STORAGE:**

Do not contaminate water, food or feed by storage. Keep pesticide in original container. Store in a cool, dry, secure place. Do not put formulation or dilute spray solution into food or drink containers. Do not store or transport near feed or food. Not for use or storage in or around the home. To prevent contamination, store this product away from food or feed.

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