

2023-6644
2024-01-08

{Base Container Label}

GROUP	14	HERBICIDE
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SureGuard EZ Herbicide

HERBICIDE
Suspension Concentrate
COMMERCIAL

Pre-emergence weed control in labelled crops and to maintain bare ground non crop areas.

ACTIVE INGREDIENT:

Flumioxazin.....479.2 g/L

Contains 1,2-benzisothiazolin-3-one at 0.02% or 0.05% as a preservative OR 5-Chloro-2-methyl-4-isothiazolin-3-one at 0.0017% or 0.00113% and 2-methyl-4-isothiazolin-3-one at 0.0006% or 0.00037% as a preservative.

READ THE LABEL BEFORE USE

READ ACCOMPANYING BOOKLET BEFORE USING

REGISTRATION NO.: 34035
PEST CONTROL PRODUCTS ACT

Net Contents: 0.5-bulk Litres

Valent Canada, Inc.
201-230 Hanlon Creek Blvd.
Guelph, Ontario, Canada
N1C 0A1 (519)-767-9262
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.

Follow the personal protective equipment, engineering controls, and restriction requirements for the appropriate mixer/loader and applicator scenario as described in the table on the attached label.

ENVIRONMENTAL PRECAUTIONS

[OPTIONAL STATEMENT FOR SMALLER CONTAINER SIZE] [
[TOXIC to aquatic organisms, non-target terrestrial plants, small wild mammals and

certain beneficial arthropods. Observe spray buffer zones specified under DIRECTIONS FOR USE. See booklet for full user precautions and restrictions.]

]

Toxic to aquatic organisms and non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE. Toxic to small wild mammals. Toxic to certain beneficial arthropods (which may include predatory and parasitic insects, spiders, and mites). Minimize spray drift to reduce harmful effects on beneficial arthropods 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 filter strip between the treated area and the edge of the water body.

DISPOSAL

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. Store this product away from food or feed.

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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.

Follow the personal protective equipment, engineering controls, and restriction requirements for the appropriate mixer/loader and applicator scenario as described in the table below:

Equipment	Personal Protective Equipment	
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	Mixer/Loader/ Clean-up and Repair	Applicator	Maximum amount of product handled per day
Groundboom	Long-sleeved shirt and long pants, chemical-resistant gloves, socks and shoes.	Open cab: Long-sleeved shirt and long pants, chemical-resistant gloves, socks and shoes.	48 L
	Chemical-resistant coveralls over long-sleeved shirt and long pants, chemical-resistant gloves, socks and chemical-resistant footwear.	Closed Cab: Long-sleeved shirt, long pants, socks and shoes. Gloves are not required.	125 L
Right-of-Way-sprayer	Long-sleeved shirt and long pants, chemical-resistant gloves, socks and shoes.	Coveralls over a long-sleeved shirt and long pants, chemical-resistant gloves, socks and shoes.	8 L
Mechanically-pressurized handgun	Chemical-resistant coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear. A respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides, or a NIOSH-approved canister approved for pesticides, is also required.		2.7 L
Backpack	Long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes.		Not applicable
Manually-pressurized handwand	Long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes.		Not applicable

Apply only when the potential for drift beyond the area to be treated is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

In non-crop areas, **DO NOT** enter or allow entry into treated areas until the sprays have dried.

For crop uses, **DO NOT** enter or allow worker entry into treated areas during the intervals specified in the following table:

Crop	Postapplication Activity	REI
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Coniferous trees	Hand-set irrigation	6 days
	All other activities	12 hours
All other registered crops	All other activities	12 hours

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.

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 PRECAUTIONS

Toxic to aquatic organisms and non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE. Toxic to small wild mammals. Toxic to certain beneficial arthropods (which may include predatory and parasitic insects, spiders, and mites). Minimize spray drift to reduce harmful effects on beneficial arthropods 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 filter strip between the treated area and the edge of the water body.

DISPOSAL

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:

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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. Store this product away from food or feed.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management SureGuard EZ Herbicide contains a Group 14 herbicide. Any weed population may contain or develop plants naturally resistant to SureGuard EZ 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 EZ Herbicide or other Group 14 herbicides within a growing season (sequence) or among growing seasons 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. To delay resistance, the less resistance-prone partner should control the target weed(s) as effectively as the more resistance-prone partner.
- Herbicide use should be based on an integrated weed management program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural (for example, higher crop seeding rates; precision fertilizer application method and timing to favour the crop and not the weeds), biological biological (weed-competitive crops or varieties) and other chemical control practices.
- Monitor treated weed populations for resistance development (for example, only one weed species on the herbicide label not controlled). If resistance is suspected, prevent weed seed production in the affected area if possible by an alternative herbicide from a different group. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.
- Have suspected resistant weed seeds tested by a qualified laboratory to confirm resistance and identify alternative herbicide options.
- 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.

GENERAL INFORMATION

SureGuard EZ Herbicide provides residual control of susceptible weeds in labelled crops when used in accordance with this label. SureGuard EZ Herbicide is effective as a preemergence herbicide, for control of selected grass and broadleaf weeds. SureGuard EZ

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 EZ Herbicide is most effective when applied to clean, weed-free soil surfaces. Disturbing soil surfaces may reduce herbicide efficacy.

SureGuard EZ 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

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.

SPRAYER AND APPLICATION INFORMATION

Shake SureGuard EZ Herbicide well before use.

Apply using ground application equipment only. Before applying SureGuard EZ 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 EZ 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 EZ Herbicide per hectare.

Equipment with SureGuard EZ Herbicide residues remaining in the system may result in crop injury to the subsequently treated crop. Spray equipment used to apply SureGuard EZ Herbicide should not be used to apply other materials to any plant foliage. Spray equipment must be cleaned each day following SureGuard EZ Herbicide application. After SureGuard EZ 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 EZ Herbicide to the spray tank. Agitation should create a rippling or rolling action on the water surface.
3. If tank mixing SureGuard EZ Herbicide with other labelled herbicides follow the WAMLEGS [Wettable powders/ flowable, Agitate Anti-flowing compounds/buffers, Microcapsule suspension, Liquid and soluble, Emulsifiable concentrates, High load Glyphosates, Surfactants] mixing order system:
 - 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 EZ Herbicide should be applied within 6 hours of mixing.

CARRIER VOLUME AND SPRAY PRESSURE

Preemergence Application: To ensure uniform coverage, use between 100 to 300 L of spray solution per hectare for preemergence applications. Use higher water volumes if significant crop residue is present. Nozzle selection should meet manufacturer's volume and pressure recommendations for preemergence herbicide application.

Apply the spray mixture uniformly with properly calibrated ground equipment only. Ensure thorough coverage and a uniform spray pattern. Use 50 mesh filter screens or larger (metal or nylon). A spray pressure of 210 - 275 kPa is recommended for flat fan nozzles.

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.

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.

SPRAY BUFFER ZONES:

A spray buffer zone is NOT required for:

- uses with hand-held application equipment permitted on this label,
- low-clearance hooded or shielded sprayers that prevent spray contact with orchard crop, fruit or foliage.

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

*Spray 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.

When tank mixes are permitted,, consult the labels of the tank-mix partners and observe the largest (most restrictive) spray 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 buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Spray Buffer Zone Calculator on the Pesticides portion of the Canada.ca website.

SureGuard EZ 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 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.

Crop injury may occur from applications made to poorly drained soil and/or applications made under cool, wet conditions. Severe crop injury will result when soils are flooded following applications of SureGuard EZ Herbicide. Treated soil that is splashed onto newly emerged crops may result in temporary crop injury.

Moisture is necessary to activate SureGuard EZ Herbicide in soil for residual weed control. Dry weather following applications of SureGuard EZ Herbicide may reduce effectiveness. However, when adequate moisture is received after dry conditions, SureGuard EZ Herbicide will control susceptible germinating weeds. SureGuard EZ 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 EZ Herbicide application, weed control may be improved by irrigation with at least ½ to 1 cm of water.

Do not perform any tillage operations after application or weed control will be reduced. Weed control will be reduced if there is mechanical incorporation into the soil or if emerged weeds are controlled by cultivation.

TANK MIXING

This product may be tank mixed with a fertilizer, a supplement or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Valent Canada Inc. at www.valent.ca (519-767-9262) for information before applying any tank mix that is not specifically recommended on this label.

Tank Mix Restrictions

Do not tank mix SureGuard EZ Herbicide, or use in the same field, with flufenacet, metolachlor or s-metolachlor, dimethenamid or dimethenamid-p, alachlor, or acetochlor, as crop injury may occur.

TABLE 1. WEEDS CONTROLLED

Application Rate (mL/ha)	Weed Claims
298-448	Redroot pigweed (<i>Amaranthus retroflexus</i>) Green pigweed (<i>Amaranthus powellii</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 chickweed (<i>Stellaria media</i>) Volunteer canola (<i>Brassica napus</i>) including glyphosate, glufosinate and imidazolinone tolerant varieties Common waterhemp (<i>Amaranthus rudis</i>), including biotypes resistant to herbicide groups 2, 5 and 9 Palmer amaranth (<i>Amaranthus palmeri</i>) Annual sowthistle (<i>Sonchus oleraceus</i>) <i>Suppression only:</i> Moss Liverwort Cleavers (<i>Galium aparine</i>) Russian thistle (<i>Salsola spp.</i>) Wild buckwheat (<i>Polygonum convolvulus</i>)

The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than Valent Canada, Inc. under the User Requested Minor Use Label Expansion program. For these uses, Valent Canada, Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

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

- 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.
- Do not enter or allow entry into treated areas until the restricted entry interval of 6 days for hand-set irrigation of coniferous trees.

Ornamental tree species vary in their tolerance to SureGuard EZ 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 EZ 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 EZ 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 EZ 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 EZ 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 EZ Herbicide is limited, thus established vigorous growing ornamentals outgrow this condition rapidly and develop normally.

BAND APPLICATION

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

BACKPACK APPLICATION

When applying SureGuard EZ 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 m².

SureGuard EZ Herbicide RATES mL/ha	SureGuard EZ Herbicide RATES mL/100m²	SureGuard EZ Herbicide RATES mL/10 L
298	2.98	2.98
448	4.48	4.48

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

SureGuard EZ 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 EZ Herbicide only when applied to hardened off plant material. All over the top applications of SureGuard EZ 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.

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

TOLERANT CONIFEROUS TREES

Common Name	Scientific Name
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 EZ Herbicide may be applied to established container and field-grown deciduous trees. Preemergence applications of SureGuard EZ 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 EZ Herbicide only when applied to the soil and base of the plant.

For maximum safety to deciduous trees, directed applications of SureGuard EZ 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 EZ Herbicide to the soil surface and away from plant material. Avoid direct spray onto plant surfaces, flowers, foliage and green bark. SureGuard EZ 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 EZ Herbicide will disturb soil surfaces, which may reduce herbicidal efficacy. The use of spray shields that limit exposure of foliage and bark to SureGuard EZ Herbicide is required.

TOLERANT DECIDUOUS TREES*

Common Name	Scientific Name
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	<i>Salix</i> spp.

*Non-bearing trees only.

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

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 - Application Rates

Soil Type ¹	RATE (mL/ha)	COMMENTS
Coarse-textured, with <5% organic matter	298	Preemergence: Apply prior to weed emergence.
Medium- and fine-textured, with <5% organic matter	448	Postemergence: When weeds are already emerged, apply SureGuard EZ Herbicide as a tank mix with a glyphosate product, present as isopropyl amine or potassium salt, at 1.2 kg a.e./ha. Apply only as a directed shielded or hooded spray to established trees.

¹: Do not apply on soils with > 5% OM.

DIRECTIONS FOR USE IN BARE GROUND NON-CROP AREAS

SureGuard EZ Herbicide, when used as directed, can be used for non-selective vegetation control to maintain bare ground non-crop areas that must be kept weed-free. Apply SureGuard EZ Herbicide to:

- Bare ground in and around ornamental nurseries.
- Bare ground areas around buildings and other structures. Do not apply within any enclosed structure.
- Bare ground around farm buildings and along fence rows.
- Gravel surfaces and driveways.
- Road surfaces and gravel shoulders.
- 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 by air. Apply using ground application equipment only.
- Do not make more than two applications in a growing season.

TO MAINTAIN BARE GROUND NON-CROP AREAS - Application Rates

Soil Type ¹	RATE (mL/ha)	COMMENTS
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Coarse-textured, with <5% organic matter	298	Preemergence: Apply prior to weed emergence. Postemergence: When weeds are already emerged, apply SureGuard EZ Herbicide as a tank mix with a glyphosate product, present as isopropyl amine or potassium salt, at 1.2 kg a.e./ha. Apply only as a directed shielded or hooded spray to established trees.
	448	
Medium- and fine-textured, with <5% organic matter		

¹: Do not apply on soils with > 5% OM.

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