SureGuard® Herbicide is a water dispersible granule containing 51% active ingredient.
EPA Reg. No. 59639-120
EPA Est. 11773-TX-01®, 5905-IA-01®
Superscript is first letter of lot number.
Hazardous to Humans & Domestic Animals

Caution

If inhaled or absorbed through the skin, causes moderate eye irritation. Avoid breathing dust and spray mist. Avoid contact with skin, eyes, or clothing.

First Aid

If Inhaled:

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.

Call a poison control center or doctor for further 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 center or doctor for treatment advice.

If in Eyes:

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

Call a poison control center or doctor for treat ment advice.

If swallowed:

Call a poison control center 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 the poison control center or doctor.

Do not give anything by mouth to an unconscious person.

Contact Information

Have the product container or label with you when calling a poison control center or doctor, going for treatment. You may also contact 800-929-0099 for emergency medical treatment information.

Personal Protective Equipment (PPE):

Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear:

A long-sleeved shirt and long pants, chemical-resistant gloves made of any water-proof material such as polyethylene or polyvinyl chloride, shoes and socks.

Follow manufacturer’s instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should:

• Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

• Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Environmental Hazards

This product is toxic to non-target plants and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to non-target plants and aquatic organisms in neighboring areas. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwater.

This pesticide is toxic to plants and should be used strictly in accordance with the label and run-off precautions on this label in order to minimize off-site effects.

Under some conditions this product may have a potential to run off to surface water or adjacent land. Where possible, use methods which reduce soil erosion, such as no-till, limited till and contour plowing; these methods also reduce pesticide run-off. Use of vegetation filter strips along rivers, creeks, streams or wetlands or on the downwind edges of fields where run-off could occur will minimize water run-off and is recommended.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read Entire Label, Use Strictly in Accordance with Precautionary Statements and Directions, and with Applicable State and Federal Regulations.

Do not apply this product in a way that will contaminate food or water sources, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 190. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

A grower or owner worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is: coveralls, chemical-resistant gloves made of waterproof material, shoes, and socks.

Agricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standards for agricultural pesticides (40 CFR Part 170). The WPS applies when pesticides are used to protect food or agricultural plants on farms, forest, nurseries, or greenhouses.

Keep all unprotected persons out of operating areas, or vicinity where there may be treated areas.

Do not enter or allow others to enter treated areas until sprays have dried.

Disclaimer, Risks of Using This Product, Limited Warranty, and Limitation of Liability

Important:

Read the entire label including this Disclaimer, Risks of Using This Product, and Limitation of Liability before using this product. If the terms are not acceptable, then do not use the product, return the unopened product within 15 days of purchase for a refund of the purchase price.

Risks of Using This Product

The Buyer and User (referred to collectively herein as “Buyer”) of this product should be aware that there are inherent unintended risks associated with the use of this product which are impossible to eliminate. These risks include, but are not limited to, injury to plants and crops to which this product is applied, lack of control of the target pests or weeds, resistance of the target pest or weeds to this product, injury caused by drift, and injury to other non-target organisms such as wildlife.

The Buyer should be aware that these inherent unintended risks may reduce the harvest yield of the crop in all or a portion of the treated acreage, or otherwise affect crops such that additional care, treatment, and related expenses are required to take the crop to harvest. If the Buyer chooses not to accept these risks, THEN THIS PRODUCT SHOULD NOT BE APPLIED. By applying this product Buyer acknowledges and agrees that these inherent unintended risks, AND TO THE FULLEST EXTENT ALLOWED BY LAW, AGREES THAT ALL SUCH RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER.

Valent shall not be responsible for losses or damages (including, but not limited to, loss of yield, increased expenses of farming the crop or such incidental, consequential or special damages that may be claimed) resulting from use of this product in any manner not specifically directed or approved on the label.

Limited Warranty

Valent warrants only that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label, under average use conditions, when used strictly in accordance with the label and subject to the Risks of Using This Product as described above. To the extent consistent with applicable law AND AS SET FORTH ABOVE, VALENT MAKES NO OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED. No agent or representative of Valent or Seller is authorized to make or create any other express or implied warranty.

Limitation of Liability

To the fullest extent allowed by law, Valent or Seller is not liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. The limitation includes, but is not limited to, loss of yield on all or any portion of the treated acreage, increased care, treatment or other expenses required to take the crop to harvest, increased finance charges or altered finance ratings, emotional or mental distress and/or exemplary damages. TO THE FULLEST EXTENT ALLOWED BY LAW, THE EXCLUSIVE REMEDY OF THE BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF VALENT OR SELLER FOR ANY AND ALL CLAIMS, LOSS, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT OR, AT THE ELECTIO N OF VALENT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

Prompt Notice of Claim

To the extent consistent with applicable law allowing such notices, Valent must be provided notice as soon as Buyer has reason to believe it may have a claim, but in no event later than twenty-one days from date of planting, or twenty-one days from the date of application, whichever is later, so that an immediate inspection of the affected property and growing crops can be made.

To the extent consistent with applicable law, if Buyer does not notify Valent of any claims, in such period, it shall be barred from obtaining any remedy.

No Amendments

Valent and Seller offer this product, and Buyer accepts it, subject to the foregoing terms and conditions. There are no modifications or amendments to this Agreement by Buyer, except in writing and signed by Valent or Seller.

Tank Mixes

Notice: Tank mixing or use of this product with any other products is not specifically and expressly authorized by the label and shall be the exclusive risk of user, applicator and/or application advisor, to the extent allowed by applicable law.

Read and follow the entire label of each product to be used in the tank mix with this product.
**PRODUCT INFORMATION**

**Use Restrictions**

5-1/2”  

**Restrictions and Limitations**

5-1/2”

**Preemergence Application**

5-1/2”  

Pasture Application.

5-1/2”

**Postemergence Application**

5-1/2”  

Additives

5-1/2”

**Jar Test to Determine Compatibility of Adjuvants and SureGuard Herbicide**

5-1/2”

**STORAGE AND DISPOSAL**

12

**PRODUCT INFORMATION**

SureGuard Herbicide is a preemergence and early postemergence herbicide for control of selected grass and broadleaf weeds in and around ornamental woody shrubs, deciduous trees and conifers grown outdoors in or in the field (in ground), to maintain bare ground non-crop areas and dormant warm season turfgrasses.

**SureGuard Herbicide** is a very active herbicide and the user should exercise great care in the use of this product. When used in accordance with label instructions, SureGuard Herbicide is effective against weeds actively growing foliage or green bark. Leaves that receive indirect (drift) spray contact may be affected in a similar manner. Translocation of 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.

**Restrictions and Limitations**

- Do not apply more than 24 oz of SureGuard Herbicide per acre.
- Do not use any herbicide that has a similar target site and mode of action. Resistance management may result in failures. Other resistance mechanisms that are not linked to site of action, such as enhanced metabolism, may also exist. Appropriate resistance management strategies should be followed.
- To Delay Herbicide Resistance
- Avoid the use of herbicides that have a similar target site mode of action in consecutive years.
- Herbicide resistance is caused on an Integrated Pest Management (IPM) program that includes scouting, record keeping, and consideration of cultivation practices, water management, weed free crop seed, crop rotation, and other chemical or cultural control practices.
- Monitor treated weed population for resistance development and report suspected resistance.
- Contact your local extension or crop expert (advisor) for any additional pesticide resistance management and/or IPM recommendations for specific crops and weed species.
- For further information contact Valent U.S.A. Corporation at the following toll free number 800-898-2558.

**PREEMERGENCE APPLICATION**

Preemergence weed control with SureGuard Herbicide is most effective when applied to clean, weed-free soil surfaces prior to weed emergence. Moisture is necessary to activate SureGuard Herbicide on soil for residual weed control. Dry weather following application may reduce the effectiveness. However, when adequate moisture is received after dry conditions, SureGuard Herbicide will control susceptible germinating weeds.

When adequate moisture is not received soon after SureGuard Herbicide is applied to soil, weed control may be improved by utilizing shallow cultivation. If weeds begin to emerge, irrigate (1/2” of water) or cultivate uniformly with shallow tillage equipment that will not damage the crop. Deep cultivation reduces the effectiveness of SureGuard Herbicide and should be avoided.

**POSTEMERGENCE APPLICATION**

The most effective postemergence weed control with SureGuard Herbicide occurs when applied in combination with a surfactant to weeds less than 2 inches in height. Apply SureGuard Herbicide only to actively growing weeds. Applying SureGuard Herbicide under conditions that do not promote active weed growth will result in reduced weed control. SureGuard Herbicide is most effective when applied under sunny conditions at temperatures above 65°F.

SureGuard Herbicide is rainfast one hour after application. Applications should not be made if rain is expected within one hour of application. Weed control may be reduced.

**SOIL CHARACTERISTICS**

Application of SureGuard Herbicide to soils with high organic matter and/or high clay content may require higher dosages than with soils with low organic matter and/or low clay content. Application to clayey subsoils can result in reduced weed control.

**CARRIER VOLUME AND SPRAY PRESSURE**

**PREEMERGENCE APPLICATION**

When using boom sprayers, use at least 10 gals of spray solution per acre. When making backpack applications to make 10 to 15 gals of spray solution per acre. Nozzle selection should meet manufacturer's gallonage and pressure recommendations for preemergence herbicide application.

**POSTEMERGENCE APPLICATION**

To ensure thorough coverage when using boom sprayers apply at least 15 gals of spray solution per acre. Apply at least 20 gals per acre when using a boom sprayer if dense vegetation or heavy residue is present on the soil surface. When applying with a backpack sprayer apply 1 gal per 500 to 1,000 sq ft. Nozzle selection should meet manufacturer’s gallonage and pressure recommendations for postemergence herbicide application.

**ADDITIONAL**

When applying SureGuard Herbicide after weeds emerge, mix with an agriculturally approved adjuvant. When an adjuvant is to be used with this product, Valent recommends the use of a Chemical Producers and Distributors Association certified adjuvant. Mix SureGuard Herbicide with a crop oil concentrate that contains at least 15% emulsifiers and 88% oil or a non-ionic surfactant containing at least 80% active ingredient when applying SureGuard Herbicide as part of a postemergence weed control program. Mixing compatibility should be verified by a jar test before using. Do not mix SureGuard Herbicide with a surfactant when applying over the top of dormant woody ornamentals or conifer trees.

A spray-grade nitrogen source (either ammonium sulfate at 2.0 to 2.5 lb/A or a 28 to 32% nitrogen fertilizer at 1 to 2 qt/A) may be added to the spray mix to increase the concentration of non-ionic surfactant to enhance weed control. The addition of a nitrogen source is not necessary if the crop oil concentrate or non-ionic surfactant is sufficient for weed control.

**JAR TEST TO DETERMINE COMPATIBILITY OF ADJUVANTS AND SureGuard Herbicide**

A jar test should be performed before mixing commercial quantities of SureGuard Herbicide and other surfactants. The SureGuard Herbicide for the first time, when using new adjuvants or when a new water source is being used.

1. Place crop or a quart jar. The water should be from the same source and have the same temperature as the water used in the field.
2. Add 3 grams (approximately 1 level tsp) of SureGuard Herbicide for the 8% rate or 4 grams (approximately 1 1/2 tsp) for the 12 rate to the jar. Gently mix until product disperses.
3. Add 60 ml (4 Tbsp or 8 oz) of additive to the quart jar and gently mix.
4. If nitrogen is being used, add 16 ml (1 Tbsp) of the 28 to 32% nitrogen fertilizer to the jar. If Sulfur is being used, add 19 grams of AMS to the quart jar in place of the 28 to 32% nitrogen.
5. Place crop to the jar, invert 10 times, let stand for 15 minutes, evaluate.
6. An ideal tank mix combination will be uniform and free of suspended particles. If any of the following conditions are
SPRAY DRIFT REDUCTION
Do not apply under circumstances where possible drift to unprotected persons or to 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 as possible and by avoiding excessive spray boom pressure. For ground boom and aerial applications, use medium or coarser spray nozzles according to ASAE S272 definition for standard nozzles or a volume mean diameter (VMD) of 500 microns or greater for spinning atomizer nozzles.

• Make or aerial or ground applications when the wind velocity is less than or equal to 40 mph. For all non-aerial applications, wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application.

• Do not make aerial or ground applications into areas of temperature inversions. Inversions are characterized by stable air and increasing temperatures with increasing distance above the ground. Dust 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 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 aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.

• For ground boom applications, apply with nozzle height no more than 4 ft above the ground or crop canopy.

WEEDS CONTROLLED
When SureGuard Herbicide is applied preemergence or postemergence at recommended rates and weed stages, the following weeds and broadleaf weeds are controlled.

Nozzles and Nozzle Operation
Use nozzles that produce flat or hollow cone spray patterns. Use non-drip type nozzles such as diafilm type nozzles to avoid unwanted discharge of spray solution. The nozzle must be oriented parallel to the aircraft, at an angle between 0 and 15° downward. Do not place nozzles on the outer 25% of the wings or rotors.

Adjuvants
Refer to the additive section or the tank mix partners label for admittance recommendation.

CALIBRATION TABLE

<table>
<thead>
<tr>
<th>SUREGUARD HERBICIDE RATES (GAL)</th>
<th>SUREGUARD HERBICIDE RATES (PER AC)</th>
<th>SUREGUARD HERBICIDE RATES (PER GAL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>2.3</td>
<td>3/4 tsp</td>
</tr>
<tr>
<td>10</td>
<td>2.8</td>
<td>1 level tsp</td>
</tr>
<tr>
<td>12</td>
<td>3.4</td>
<td>1-1/4 tsp</td>
</tr>
</tbody>
</table>

For Backpack Applications of SureGuard Herbicide at 10 oz per acre:

<table>
<thead>
<tr>
<th>Application Volume</th>
<th>Amount of SureGuard Herbicide to mix in 1 gal of water</th>
<th>Amount of SureGuard Herbicide to mix in 2 gals of water</th>
<th>Amount of SureGuard Herbicide to mix in 3 gals of water</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 gal per 500 sq ft (≈ 57 GPA)</td>
<td>1-1/4 tsp</td>
<td>2-1/2 tsp</td>
<td>3-3/4 tsp</td>
</tr>
<tr>
<td>1 gal per 750 sq ft (≈ 58 GPA)</td>
<td>1-3/4 tsp</td>
<td>3-1/2 tsp</td>
<td>5-1/4 tsp</td>
</tr>
<tr>
<td>1 gal per 1,000 sq ft (≈ 43.5 GPA)</td>
<td>2-1/2 tsp</td>
<td>5 tsp</td>
<td>7-1/2 tsp</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Application Volume</th>
<th>Amount of SureGuard Herbicide to mix in 1 gal of water</th>
<th>Amount of SureGuard Herbicide to mix in 2 gals of water</th>
<th>Amount of SureGuard Herbicide to mix in 3 gals of water</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 level teaspoon (tsp)</td>
<td>2.8 grams of SureGuard Herbicide</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Example: Applicator wants to spray 1 gal of SureGuard Herbicide per acre. Therefore, applicator should mix 5 teaspoons of SureGuard Herbicide in 2 gals of water.

AERIAL APPLICATION
To obtain satisfactory weed control with aerial application of SureGuard Herbicide, coverage must be uniform. Do not spray when wind is too high or when wind velocity is more than 10 mph. Avoid spraying SureGuard Herbicide within 200 ft of dwellings, adjacent sensitive crops or environmentally sensitive areas. To obtain satisfactory application and drift, the following directions must be observed:

Volume Pressure
Apply SureGuard Herbicide in 5 to 10 gallons of water per acre, with a maximum spray pressure of 40 PSI. Application at less than 5 gals per acre may not provide adequate weed control. Higher gaffeon applications generally provide more consistent weed control.

MIXING INSTRUCTIONS
1. Fill clean spray tank 1/2 to 2/3 of desired level with clean water.
2. To ensure a uniform spray mixture, pre-slurry the required amount of SureGuard Herbicide with water prior to addition to the spray tank. Use a minimum of 1 gal of water per 10 oz of SureGuard Herbicide.
3. While agitating, slowly add the pre-slurried SureGuard Herbicide to the spray tank. Agitation should create a rippling or rolling action on the water surface.
4. If tank mix partners other than SureGuard Herbicide are applied with other labeled herbicides, add water solubles first, followed by dry formulations, flowables, emulsifiable concentrates and then water.
5. Prepare no more spray mixture than is required for the immediate spray operation.
6. Add any required adjuvants.
7. Fill spray tank to desired level with water. Continue agitation until spray solution has been applied.
8. Mix only the amount of spray solution that can be applied the day of mixing.

SUREGUARD HERBICIDE TABLE

<table>
<thead>
<tr>
<th>COMMON NAME</th>
<th>SCIENTIFIC NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alyssum, Hoary</td>
<td>Berteroa incana</td>
</tr>
<tr>
<td>Amaranth</td>
<td>Amaranthus palmeri</td>
</tr>
<tr>
<td>Amaranth</td>
<td>Amaranthus spinosus</td>
</tr>
<tr>
<td>Bachelor Button</td>
<td>Echinochloa crus-galli</td>
</tr>
<tr>
<td>Bittercress, Hair</td>
<td>Cardamine hirsuta</td>
</tr>
<tr>
<td>Bluegrass, Annual</td>
<td>Desmodium tortuosum</td>
</tr>
<tr>
<td>Burdocks, California</td>
<td>Eclipta prostrata</td>
</tr>
<tr>
<td>Carpetweed</td>
<td>Eclipta prostrata</td>
</tr>
<tr>
<td>Chamberbitter</td>
<td>Helianthus annuus</td>
</tr>
<tr>
<td>Chickweed</td>
<td>Eclipta prostrata</td>
</tr>
<tr>
<td>Common</td>
<td>Eclipta prostrata</td>
</tr>
<tr>
<td>Mouseear</td>
<td>Eclipta prostrata</td>
</tr>
<tr>
<td>Creeping</td>
<td>Eclipta prostrata</td>
</tr>
<tr>
<td>Large</td>
<td>Eclipta prostrata</td>
</tr>
<tr>
<td>Smooth</td>
<td>Eclipta prostrata</td>
</tr>
<tr>
<td>Strong</td>
<td>Eclipta prostrata</td>
</tr>
<tr>
<td>Spear</td>
<td>Eclipta prostrata</td>
</tr>
<tr>
<td>Spur</td>
<td>Eclipta prostrata</td>
</tr>
<tr>
<td>Venus</td>
<td>Eclipta prostrata</td>
</tr>
<tr>
<td>Venetian</td>
<td>Eclipta prostrata</td>
</tr>
<tr>
<td>Liverwort</td>
<td>Eclipta prostrata</td>
</tr>
<tr>
<td>Lambsquarters, Little</td>
<td>Eclipta prostrata</td>
</tr>
<tr>
<td>Ladysthumb</td>
<td>Eclipta prostrata</td>
</tr>
<tr>
<td>Knapweed, Common</td>
<td>Eclipta prostrata</td>
</tr>
<tr>
<td>Lovage, California</td>
<td>Eclipta prostrata</td>
</tr>
<tr>
<td>Mallow</td>
<td>Eclipta prostrata</td>
</tr>
<tr>
<td>Common</td>
<td>Eclipta prostrata</td>
</tr>
<tr>
<td>Little</td>
<td>Eclipta prostrata</td>
</tr>
<tr>
<td>Venice</td>
<td>Eclipta prostrata</td>
</tr>
<tr>
<td>Marsh Parsley</td>
<td>Eclipta prostrata</td>
</tr>
<tr>
<td>Marsh Yellowcress</td>
<td>Eclipta prostrata</td>
</tr>
<tr>
<td>Mayweed</td>
<td>Eclipta prostrata</td>
</tr>
</tbody>
</table>

(continued)
### TABLE 1. WEEDS CONTROLLED BY SUREGUARD HERBICIDE

<table>
<thead>
<tr>
<th>SCIENTIFIC NAME</th>
<th>COMMON NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amaranthus blitoides</td>
<td>Waterhemp</td>
</tr>
<tr>
<td>Amaranthus rudis</td>
<td>Pigweed</td>
</tr>
<tr>
<td>Arabidopsis thaliana</td>
<td>Ivyleaf Cress</td>
</tr>
<tr>
<td>Barbarea vulgaris</td>
<td>Mustard Capsularis</td>
</tr>
<tr>
<td>Brachiaria platypoda</td>
<td>Spikegrass</td>
</tr>
<tr>
<td>Canthium arvense</td>
<td>Purslane, Common</td>
</tr>
<tr>
<td>Cassia occidentalis</td>
<td>Senna, Coffee</td>
</tr>
<tr>
<td>Chenopodium album</td>
<td>Sugarbush Weed</td>
</tr>
<tr>
<td>Chenopodium hybridum</td>
<td>Tumbleweed</td>
</tr>
<tr>
<td>Chenopodium quinoa</td>
<td>Spinach Weed</td>
</tr>
<tr>
<td>Cirsium arvense</td>
<td>Ragweed-waterhemp</td>
</tr>
<tr>
<td>Cirsium arvense</td>
<td>Common Ragweed</td>
</tr>
<tr>
<td>Cirsium arvense</td>
<td>Field Waterhemp</td>
</tr>
<tr>
<td>Cirsium arvense</td>
<td>Western Waterhemp</td>
</tr>
</tbody>
</table>
| Cirsium arvense | Waterhemp-

**DIRECTIONS FOR USE IN ESTABLISHED CONTAINER AND FIELD GROWN CONIFERS**

Apply SureGuard Herbicide as a directed spray, taking care to minimize direct contact or drift of sprays onto foliage. Mechanically incorporating SureGuard Herbicide after application will disturb soil surfaces, which may reduce herbicidal efficacy. When applied before wood germination, SureGuard Herbicide will control broadleaf and grassy weeds listed in Table 1.

**POSTEMERGENCE APPLICATION**

Apply 8 to 12 oz (0.25 to 0.38 lb ai/A) of SureGuard Herbicide per broadcast acre after weeds have emerged. SureGuard Herbicide may be sprayed directly over conifers listed in Table 2, provided bud break has not occurred or plants are hardened off. Needle burn may be observed on new flush if plants are actively growing at time of application. However, SureGuard Herbicide will typically not effect subsequent growth. If conifers are not dormant or hardened off at time of application, and foliar injury cannot be tolerated, apply SureGuard Herbicide as a directed spray, taking care to minimize direct contact or drift of sprays onto foliage. Mechanically incorporating SureGuard Herbicide after application will disturb soil surfaces, which may reduce herbicidal efficacy. When applied before wood germination, SureGuard Herbicide will control broadleaf and grassy weeds listed in Table 1.

**RESTRICTIONS AND LIMITATIONS**

- Do not apply more than 3 applications at 12 oz/A or 3 applications at 8 oz/A per year.
- Do not reapply SureGuard Herbicide within 30 days.

**TABLE 2. TOLERANT CONIFERS**

<table>
<thead>
<tr>
<th>SCIENTIFIC NAME</th>
<th>COMMON NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thuja occidentalis</td>
<td>Arborvitae American</td>
</tr>
<tr>
<td>Thuja orientalis</td>
<td>Arborvitae Oriental</td>
</tr>
</tbody>
</table>

**DIRECTIONS FOR USE IN CONTAINER AND FIELD GROWN DECIDUOUS TREES AND NON-BEARING FRUIT AND NON-BEARING NUT TREES**

SureGuard Herbicide may be applied as single or split applications to container and field grown deciduous trees with an established root system. The deciduous trees listed in Table 3 have exhibited tolerance to SureGuard Herbicide only when applied to the soil and base of plants. Application of SureGuard Herbicide to deciduous foliage or green bark may result in unacceptable injury.

**DIRECT APPLICATION**

SureGuard Herbicide may be applied to established (or transplanted) container and field grown deciduous trees. Do not apply to trees that are less than one year old or have been transplant- less than one year, unless completely protected by non-porous wraps, grow tubes, waxed protectors or other forms of protection to young foliage and/or bark. Do not harvest fruit or nuts from treated trees within one year of application.

**DIRECT APPLICATION**

Direct application of SureGuard Herbicide to the soil surface and away from plant foliage and bark. Avoid direct spray contact on plant surfaces, foliage and green bark or injury may result. Application of SureGuard Herbicide after bud swell may cause injury if herbicide contacts foliage. Avoid application under environmental conditions that favor drift to non-targeted areas.
PREEMERGENCE APPLICATION
Apply from 8 to 10 lb/A (2.3 to 3.8 lb/A) of SureGuard Herbicide per broadcast acre as a preemergence (to weed emergence) application. Apply SureGuard Herbicide to weed free deciduous trees grown in containers or in the field (in-ground). For possible, irrigate the treated area with 0.5 to 0.75 inch of water immediately following application. SureGuard Herbicide may be applied to the soil surface and base of deciduous trees, provided that direct and indirect (drift) applications to plant foliage, flowers and green brown does not occur. 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 suggested. When applied before weed germination, SureGuard Herbicide will control broadleaf and grassy weeds listed in Table 1.

TABLE 1. TOLERANT DECIDUOUS TREE SPECIES

<table>
<thead>
<tr>
<th>COMMON NAME</th>
<th>SCIENTIFIC NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apricot*</td>
<td>Prunus spp.</td>
</tr>
<tr>
<td>Ash</td>
<td>Fraxinus spp.</td>
</tr>
<tr>
<td>Birch</td>
<td>Betula spp.</td>
</tr>
<tr>
<td>Buckeye</td>
<td>Aesculus spp.</td>
</tr>
<tr>
<td>Cherry*</td>
<td>Prunus spp.</td>
</tr>
<tr>
<td>Chestnut</td>
<td>Castanea spp.</td>
</tr>
<tr>
<td>Citrus*</td>
<td>Citrus spp.</td>
</tr>
<tr>
<td>Dogwood</td>
<td>Cornus spp.</td>
</tr>
<tr>
<td>Eucalyptus</td>
<td>Eucalyptus spp.</td>
</tr>
<tr>
<td>Ginkgo</td>
<td>Ginkgo spp.</td>
</tr>
<tr>
<td>Hawthorn</td>
<td>Crataegus spp.</td>
</tr>
<tr>
<td>Honeylocust</td>
<td>Gleditsia spp.</td>
</tr>
<tr>
<td>Larch</td>
<td>Larix spp.</td>
</tr>
<tr>
<td>Lilac</td>
<td>Syringa spp.</td>
</tr>
<tr>
<td>Maple**</td>
<td>Acer spp.</td>
</tr>
<tr>
<td>Myrtle, Crope</td>
<td>Lagerstromia indicax</td>
</tr>
<tr>
<td>Oak</td>
<td>Quercus spp.</td>
</tr>
<tr>
<td>Paglar</td>
<td>Populus spp.</td>
</tr>
<tr>
<td>Peach*</td>
<td>Prunus spp.</td>
</tr>
<tr>
<td>Plum*</td>
<td>Prunus spp.</td>
</tr>
<tr>
<td>Pecan*</td>
<td>Carya spp.</td>
</tr>
<tr>
<td>Redbud</td>
<td>Cercis canadensis</td>
</tr>
<tr>
<td>Sweetgum</td>
<td>Liquidambar styraciflua</td>
</tr>
<tr>
<td>Sycamore</td>
<td>Platanus spp.</td>
</tr>
<tr>
<td>Walnut, Black</td>
<td>Juglans nigra</td>
</tr>
<tr>
<td>Willow</td>
<td>Salix spp.</td>
</tr>
</tbody>
</table>

* Non-bearing trees only.

TOLERANT DECIDUOUS TREES, NON-BEARING AND NON-BEARING NUT TREES
SureGuard Herbicide may be applied as a directed spray to the deciduous, non-bearing fruit and non-bearing nut trees species listed in Table 3. If a desired fruit tree is not listed in Table 3, users should evaluate the safety of SureGuard Herbicide on a small number of plants under commercial growing conditions and monitor plant response for four to six weeks for phytotoxicity. Testing SureGuard Herbicide on a small number of plants will determine if SureGuard Herbicide can be used safely on a wide spread basis.

RESTRICTIONS AND LIMITATIONS
- Do not apply more than 2 applications at 12 oz/A or 3 applications at 8 oz/A per year.
- Do not re-apply SureGuard Herbicide within 30 days.

TABLE 3. TOLERANT DECIDUOUS TREE SPECIES

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</table>

DIRECTIONS FOR USE AROUND ESTABLISHED WOODY LANDSCAPE SPECIMENTS
AND TO MAINTAIN BARE GROUND NON-CROP AREAS

In residential and commercial landscapes, SureGuard Herbicide should only be applied by commercial licensed applicators. Application of SureGuard Herbicide in the vicinity of ornamental plants is limited to directed sprays around well established woody shrubs and trees such as azalea, euonymus, holly, and the conifers and deciduous tree species listed in Tables 2 and 3. SureGuard Herbicide may also be applied to maintain bare ground in non-crop areas in apartment complexes, fence rows, gravel surfaces, ground mats, golf courses, lumberyards, office complexes, parks, parking areas, recreational sites, schools, sidewalks, storage and non-bearing nut trees. Do not apply SureGuard Herbicide within any enclosed structure in residential or commercial landscapes.

SureGuard Herbicide offers postemergence and residual control of susceptible grasses and broadleaf weeds, as well as additional-moal action of to assist in the control of resistant weeds. The length of residual control will decrease as temperature and precipitation increase.

IMPORTANT: Contact with SureGuard Herbicide spray or drift may cause severe injury or destruction of certain desirable plants, especially herbaceous species such as ornamental perennials and turfgrasses. The use of spray shields that limit the plant exposure to SureGuard Herbicide is highly recommended when applying SureGuard Herbicide near desired plants.

Do not apply SureGuard Herbicide around landscape ornamentals until plants have been actively growing for at least 30 days after transplanting, or for at least two months after ovenslens will be planted into treated areas.

PREEMERGENCE APPLICATION (NO WEEDS ARE PRESENT)
Mix 1-1/4 to 2-1/2 tsp of SureGuard Herbicide per gal (10 lb/A) of spray solution, and apply 1 gal of spray solution to 500 - 1,000 sq ft (10 oz/A) prior to weed germination (see calibration table for backpack sprayers). Apply SureGuard Herbicide to weed free soil, to exposed green stems, exposed roots or fruit of desirable plants. Avoid application of SureGuard Herbicide under conditions that favor drift of sprays onto desired ornamentals or turfgrasses. The use of spray shields that limit the plant exposure to SureGuard Herbicide is highly recommended when applying SureGuard Herbicide near desired plants.

Do not apply SureGuard Herbicide around landscape ornamentals.Emergence of weed seeds is dependent on soil, mulch or gravel surfaces. Moisture is necessary to activate SureGuard Herbicide on soil for residual weed control. When applied before weed germination, Sure Guard Herbicide will control the broadleaf weeds and grasses listed in Table 1. Established landscape ornamentals have shown tolerance to SureGuard Herbicide only when applied to the soil at the base of the plant. Avoid spraying around the base and trunk of established plants. Do not apply SureGuard Herbicide within 30 days.

Established landscape ornamentals have shown tolerance to SureGuard Herbicide only when applied to the soil at the base of the plant. Avoid spraying around the base and trunk of established plants. Do not apply SureGuard Herbicide within 30 days.

Thorough spray coverage of weeds is necessary to maximize the postemergence activity of SureGuard Herbicide. Emerged weeds are controlled postemergence with SureGuard Herbicide, however, translocation of SureGuard Herbicide within a weed is limited, and control is affected by spray coverage and by the addition of a surfactant. The most effective postemergence weed control with SureGuard Herbicide occurs when applied in combination with a surfactant to weeds less than 2 inches in height.

PREEMERGENCE APPLICATION
Apply 8 to 10 lb/A (2.3 to 3.8 lb/A) of SureGuard Herbicide per broadcast acre as a preemergence application. Preemergence application of SureGuard Herbicide can be made to weed free soils. Moisture is necessary to activate SureGuard Herbicide for residual weed control. Dry weather conditions, high temperature and transpiration of water vapor from the soil surface may reduce effectivenes. However, when adequate moisture is received after dry conditions, SureGuard Herbicide will control susceptible germinating weeds.

POSTEMERGENCE APPLICATION
Apply 8 to 10 lb/A (2.3 to 3.8 lb/A) of SureGuard Herbicide per broadcast acre plus a surfactant (0.25% v/v non-ionic surfactant or 1 qt/A crop oil concentrate). The addition of a surfactant enhances SureGuard Herbicide activity on emerged weeds. Thorough spray coverage is necessary to maximize the postemergence activity of SureGuard Herbicide. Emerged weeds are controlled postemergence with SureGuard Herbicide, however, translocation of SureGuard Herbicide within a weed is limited, and control is affected by spray coverage and by the addition of a surfactant. The most effective postemergence weed control with SureGuard Herbicide occurs when applied in combination with a surfactant to weeds less than 2 inches in height.

Thorough spray coverage of weeds is necessary to maximize the postemergence activity of SureGuard Herbicide. Emerged weeds are controlled postemergence with SureGuard Herbicide, however, translocation of SureGuard Herbicide within a weed is limited, and control is affected by spray coverage and by the addition of a surfactant. The most effective postemergence weed control with SureGuard Herbicide occurs when applied in combination with a surfactant to weeds less than 2 inches in height.
**DIRECTIONS FOR USE ON DORMANT WARM-SEASON TURFGRASS GROWN ON RESIDENTIAL SITES, GOLF COURSES, SOD PRODUCTION AND SIMILAR AREAS**

SureGuard Herbicide may be applied as a single or split application to well established dormant turfgrass listed in Table 4. SureGuard Herbicide will provide preemergence control of crabgrass, goosegrass and other summer annual weeds found in Table 1. SureGuard Herbicide may be applied to dormant turfgrass in such areas as apartment complexes, golf courses, sod farms, roadsides, sports fields, campgrounds, office complexes, parks, parking areas, recreational sites, schools and other similar sites. Bermudagrass exhibits tolerance to SureGuard Herbicide only when applied to completely dormant turf in the late fall and before active growth resumes in the late winter/early spring. Application of SureGuard Herbicide to actively growing turfgrass (warm season and cool season) or during green-up may cause unacceptable injury.

**BROADCAST APPLICATIONS**

Apply 8 to 12 oz of SureGuard Herbicide per broadcast acre as a preemergence (to weed emergence) application. If weeds are present at the time of application apply SureGuard Herbicide plus an adjuvant (0.25% v/v non-ionic surfactant). Make postemergence (to weed emergence) applications of SureGuard Herbicide when weeds are actively growing and no larger than 2 inches in height. Thorough spray coverage is necessary to maximize the postemergence and postemergence control of broadleaf weeds and grasses listed in Table 1. Postemergence control of SureGuard Herbicide may be more effective on certain weed species, and may not control mature, stressed or hardened off weeds that are not actively growing at the time of application.

SureGuard Herbicide will provide best control of annual bluegrass when applied in the late fall while plants are small. Control may be less effective when applied in the winter under cold conditions when weeds are not actively growing. A second application of SureGuard Herbicide may be required to provide adequate season-long annual bluegrass control. SureGuard Herbicide will provide best control of crabgrass, goosegrass and other summer annual weeds when applied in the late winter before turfgrass resumes active growth.

**SPOT TREATMENTS**

Mix 2-1/2 tsp per gal of SureGuard Herbicide and 2 tsp (1/3 fl oz) of non-ionic surfactant in one gal of water and apply one gal of spray solution per 1,000 sq ft. Occasionally shake the spray solution to ensure the spray solution remains well mixed. Spray the target weeds until the leaves are wet.

**TANK MIXING WITH OTHER TURFGRASS HERBICIDES**

SureGuard Herbicide will suppress, but will not effectively control established winter perennial weeds such as dandelion and clover. SureGuard Herbicide may be tank mixed with metribuzin to control winter perennial weeds.

**IMPORTANT:** If applied in the spring after turfgrass resumes active growth, SureGuard Herbicide will cause temporary discoloration of turf and delay greenup. Read and follow the label of any herbicides mixed with SureGuard Herbicide. When tank mixing SureGuard Herbicide with other herbicides, always follow the most restrictive limitations and precautions on the label of any tank mix partner.

**USE PRECAUTIONS**

Use around Bentgrass and Poa Greens: SureGuard Herbicide has limited potential for lateral movement on level terrain, but can potentially move down slope after excessive rainfall and affect sensitive turf species such as bentgrass and Poa trivialis. When applied upslope from bentgrass greens or bermudagrass greens overseeded with Poa trivialis, allow an adequate buffer zone between greens and the treated area. If uncertain about the size of the buffer, 15 feet is suggested. Risk of movement is decreased when SureGuard Herbicide is applied to soil at less than field capacity. Avoid application when heavy rain is imminent or when the soil is saturated.

**RESTRICTIONS AND LIMITATIONS**

Do not apply to golf course putting greens. Do not apply to warm season turfgrass that has been overseeded with cool season turfgrass (ex. perennial ryegrass, Poa trivialis). Do not irrigate within 1 hour before or after application. Do not apply if rain is expected within 1 hour after application. Do not mow turfgrass within 12 hours after application. Do not apply within 30 days prior to cutting or lifting sod. Do not apply more than 2 applications at 12 oz/A or 3 applications at 8 oz/A per year. Do not re-apply SureGuard Herbicide within 30 days. Do not apply in fall before turfgrass has ceased active growth or in late winter/early spring after turfgrass has resumed active growth. Allow 8 weeks between application and seeding or sodding of turfgrass.

**TABLE 4. TOLERANT TURFGRASS SPECIES**

<table>
<thead>
<tr>
<th>COMMON NAME</th>
<th>SCIENTIFIC NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bermudagrass</td>
<td>Cynodon spp.</td>
</tr>
</tbody>
</table>

**STORAGE AND DISPOSAL**

**PESTICIDE 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. For help with any spill, leak, fire or exposure involving this material, call day or night (800) 892-0099. Do not contaminate water, food or feed by storage, disposal or cleaning of equipment.

**PESTICIDE DISPOSAL:** Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

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SureGuard is a registered trademark of Valent U.S.A. Corporation

Manufactured for:

Valent U.S.A. Corporation
P.O. Box 8025
Walnut Creek CA 94596-8025
Made in U.S.A. Form 1490-E 059639-00120.20140813.SGD.AMEND.FINAL SAL 20141015
EPA Reg. No. 59639-120
EPA Est. 11773-IA-01®, 39578-TX-01®, 5905-IA-01®

Superscript is first letter of lot number.
SureGuard® Herbicide

FOR USE IN CONTAINER AND FIELD GROWN CONIFERS AND DECIDUOUS TREES, AROUND ESTABLISHED WOODY ORNAMENTALS IN LANDSCAPES, TO MAINTAIN BARE GROUND NON-CROP AREAS AND DORMANT TURFGRASS

Active Ingredient: Flumioxazin By Wt. 51%
Other Ingredients: 49%
Total: 100%

* (2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isindoile-1,3(2H)-dione)

SureGuard® Herbicide is a water dispersible granule containing 51% active ingredient.

EPA Reg. No. 59639-120
EPA Est. 11773-IA-01®, 39578-TX-01®, 5905-IA-01®

KEEP OUT OF REACH OF CHILDREN
CAUTION

SEE BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Manufactured for:
Valent U.S.A. Corporation
P.O. Box 8025, Walnut Creek CA 94596-8025

NET WEIGHT 5 POUNDS

Form 1490-E
SureGuard® Herbicide

FOR USE IN CONTAINER AND FIELD GROWN CONIFERS AND DECIDUOUS TREES, AROUND ESTABLISHED WOODY ORNAMENTALS IN LANDSCAPES, TO MAINTAIN BARE GROUND NON-CROP AREAS AND DORMANT TURFGRASS

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Superscript is first letter of lot number.

NET WEIGHT 1 POUND

KEEP OUT OF REACH OF CHILDREN
CAUTION
SEE NEXT PAGE FOR ADDITIONAL PRECAUTIONARY STATEMENTS.
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS
CAUTION
Harmful if inhaled or absorbed through the skin. Causes moderate eye irritation. Avoid breathing dust and spray mist. Avoid contact with skin, eyes or clothing.

FIRST AID
If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artifcial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. Take off contaminated clothing.
If on skin or clothing: Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. Remove contaminated clothing.
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 center or doctor for treatment advice. Call a poison control center or doctor immediately for treatment advice.
If swallowed: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

HOT LINE NUMBER
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 800-892-0099 for emergency medical treatment information.

PERSONAL PROTECTIVE EQUIPMENT (PPE):
Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride, shoes and socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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

ENVIRONMENTAL HAZARDS:
This product is toxic to non-target plants and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to non-target plants and aquatic organisms in neighboring areas. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters. This pesticide is toxic to plants and should be used strictly in accordance with the drift and runoff precautions on this label in order to minimize off-site exposures. Under some conditions this product may have a potential to run off to surface water or adjacent land. Where possible, use methods which reduce soil erosion, such as no till, limited till and contour plowing; these methods also reduce pesticide runoff. Use of vegetation filter strips along rivers, creeks, streams, wetlands
or on the downhill side of fields where runoff could occur will minimize water runoff and is recommended.

**DIRECTIONS FOR USE**
It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**
Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is: coveralls, chemical-resistant gloves made of waterproof material, shoes plus socks.

**NON-AGRICULTURAL USE REQUIREMENTS**
The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standards for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forest, nurseries, or greenhouses.

Keep all unprotected persons out of operating areas, or vicinity where there may be drift.

Do not enter or allow others to enter treated areas until sprays have dried.

**DISCLAIMER, RISKS OF USING THIS PRODUCT, LIMITED WARRANTY AND LIMITATION OF LIABILITY**

**IMPORTANT:** Read the entire Label including this Disclaimer, Risks of Using this Product, Limited Warranty, and Limitation of Liability before using this product. If the terms are not acceptable THEN DO NOT USE THE PRODUCT; rather, return the unopened product within 15 days of purchase for a refund of the purchase price.

**RISKS OF USING THIS PRODUCT**
The Buyer and User (referred to collectively herein as “Buyer”) of this product should be aware that there are inherent unintended risks associated with the use of this product which are impossible to eliminate. These risks include, but are not limited to, injury to plants and crops to which this product is applied, lack of control of the target pests or weeds, resistance of the target pest or weeds to this product, injury caused by drift, and injury to rotational crops caused by carryover in the soil. Such risks of crop injury, non-performance, resistance or other unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, disease, moisture conditions, (continued)
irrigation practices, condition of the crop at the time of application, presence of other materials either applied in the tank mix with this product or prior to application of this product, cultural practices or the manner of use or application, (or a combination of such factors) all of which are factors beyond the control of Valent. The Buyer should be aware that these inherent unintended risks may reduce the harvested yield of the crop in all or a portion of the treated acreage, or otherwise affect the crop such that additional care, treatment and expense are required to take the crop to harvest. If the Buyer chooses not to accept these risks, THEN THIS PRODUCT SHOULD NOT BE APPLIED. By applying this product Buyer acknowledges and accepts these inherent unintended risks AND TO THE FULLEST EXTENT ALLOWED BY LAW, AGREES THAT ALL SUCH RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER.

Valent shall not be responsible for losses or damages (including, but not limited to, loss of yield, increased expenses of farming the crop or such incidental, consequential or special damages that may be claimed) resulting from use of this product in any manner not set forth on the label. Buyer assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

LIMITED WARRANTY
Valent warrants only that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label, under average use conditions, when used strictly in accordance with the label and subject to the Risks of Using This Product as described above. To the extent consistent with applicable law AND AS SET FORTH ABOVE, VALENT MAKES NO OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED. No agent or representative of Valent or Seller is authorized to make or create any other express or implied warranty.

(continued)
TANK MIXES

NOTICE: Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor, to the extent allowed by applicable law.

Read and follow the entire label of each product to be used in the tank mix with this product.

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receive indirect (drift) spray contact may be affected in a similar manner. Trans-
location of SureGuard Herbicide is limited, and under most conditions established
and vigorously growing woody ornamentals will rapidly outgrow any injury symp-
toms. However, direct application to actively growing foliage can cause severe
injury or death with sensitive ornamental plant species, especially in herba-
ceous bedding plants and flowers.

IMPORTANT: When applied as directed, plants listed on this label have shown tol-
erance to SureGuard Herbicide. However, SureGuard Herbicide is a very active
herbicide and the user should exercise responsible judgment and caution until
familiarity is gained with this product. Due to variability within species, crop growth
stage, environmental conditions and application techniques, it is recommended
that users test this product under local growing conditions on a small number of
plants and evaluate for 4 to 6 weeks for phytotoxicity. Testing SureGuard herbicide
on a small number of plants will determine if the
herbicide can be used safely on
a widespread application. Neither the seller nor the manufacturer of SureGuard
Herbicide has investigated the safety to plants not listed on the label.

USE RESTRICTIONS
• Do not apply in enclosed greenhouse structures, if plants are present.
• Do not move plants for 24 hours into enclosed greenhouses until the
SureGuard Herbicide treated area has been watered.
• Do not apply when weather conditions favor spray drift from treated areas.
• Do not graze treated fields or hay to livestock.
• Do not incorporate into soil after application.
• Do not apply this product through any type of irrigation system.
• Do not apply when plants are under stress from insects, diseases, animals or
winter injury, planting shock or any other stresses.
• Only apply to healthy established trees and ornamentals.
• Do not apply more than 12 oz of SureGuard Herbicide per acre per application.
• Do not apply more than 24 oz of SureGuard Herbicide per acre per year.
RESISTANCE MANAGEMENT
Any weed population may contain or develop plants naturally resistant to herbicides in various modes of action. Resistant biotypes may eventually dominate the weed population if herbicides with the same mode of action are used repeatedly in the same field or in successive years. These resistant biotypes may not be adequately controlled by herbicides in a mode of action class for which resistance has developed. A gradual or total loss of weed control may occur over time. Other resistance mechanisms that are not linked to site of action, such as enhanced metabolism, may also exist. Appropriate resistance management strategies should be followed.

To Delay Herbicide Resistance
• Avoid the use of herbicides that have a similar target site mode of action in consecutive years.
• Herbicide use should be based on an Integrated Pest Management (IPM) program that includes scouting, record keeping, and consideration of cultivation practices, water management, weed free crop seed, crop rotation, and other chemical or cultural control practices.
• Monitor treated weed population for resistance development and report suspected resistance.
• Contact your local extension or crop expert (advisor) for any additional pesticide resistance management and/or IPM recommendations for specific crops and weed biotypes.
• For further information contact Valent U.S.A. Corporation at the following toll free number 800-682-5368.

PREEMERGENCE APPLICATION
Preemergence weed control with SureGuard Herbicide is most effective when applied to clean, weed free soil surfaces prior to weed emergence. Moisture is necessary to activate SureGuard Herbicide on soil for residual weed control. Dry weather following application of SureGuard Herbicide may reduce effectiveness. However, when adequate moisture is received after dry conditions, SureGuard Herbicide will control susceptible germinating weeds.

When adequate moisture is not received soon after SureGuard Herbicide is applied to soil, weed control may be improved by utilizing shallow cultivation. If weeds begin to emerge, irrigate (1/2” of water) or cultivate uniformly with shallow tillage equipment that will not damage the crop. Deep cultivation reduces the effectiveness of SureGuard Herbicide and should be avoided.

POSTEMERGENCE APPLICATION
The most effective postemergence weed control with SureGuard Herbicide occurs when applied in combination with a surfactant to weeds less than 2 inches in height. Apply SureGuard Herbicide only to actively growing weeds. Applying SureGuard Herbicide under conditions that do not promote active weed growth will reduce herbicide effectiveness. SureGuard Herbicide is most effective when applied under sunny conditions at temperatures above 65°F. SureGuard Herbicide is rainfast one hour after application. Applications should not be made if rain is expected within one hour of application or efficacy may be reduced.

SOIL CHARACTERISTICS
Application of SureGuard Herbicide to soils with high organic matter and/or high clay content may require higher dosages than with soils with low organic matter and/or low clay content. Application to cloddy seedbeds can result in reduced weed control.

CARRIER VOLUME AND SPRAY PRESSURE
PREEMERGENCE APPLICATION
To ensure uniform coverage when using boom sprayers, use at least 10 gals of spray solution per acre. When making backpack applications, apply 50 to 100 gals of spray solution per acre. Nozzle selection should meet manufacturer’s gallonage and pressure recommendation for preemergence herbicide application.

POSTEMERGENCE APPLICATION
To ensure thorough coverage when using boom sprayers apply at least 15 gals
of spray solution per acre. Apply at least 20 gals per acre when using a boom sprayer if dense vegetation or heavy residue is present on the soil surface. When applying with a backpack sprayer, apply 1 gal of spray solution per 500 to 1,000 sq ft. Nozzle selection should meet manufacturer’s gallonage and pressure recommendations for postemergence herbicide application.

ADDITIVES

POSTEMERGENCE APPLICATION
When applying SureGuard Herbicide after weeds emerge, mix with an agronomically approved adjuvant. When an adjuvant is to be used with this product, Valent recommends the use of a Chemical Producers and Distributors Association certified adjuvant. Mix SureGuard Herbicide with a crop oil concentrate that contains at least 15% emulsifiers and 80% oil or a non-ionic surfactant containing at least 80% active ingredient when applying SureGuard Herbicide as part of a postemergence weed control program. Mixing compatibility should be verified by a jar test before using. Do not mix SureGuard Herbicide with a surfactant when applying over the top of dormant woody ornamentals or conifer trees.

A spray-grade nitrogen source (either ammonium sulfate at 2.0 to 2.5 lb/A or a 28 to 32% nitrogen solution at 1 to 2 qts/A) may be added to the spray mixture along with a crop oil concentrate or non-ionic surfactant to enhance weed control. The addition of a nitrogen source does not replace the need for crop oil concentrate or non-ionic surfactant.

JAR TEST TO DETERMINE COMPATIBILITY OF ADJUVANTS AND SureGuard Herbicide
A jar test should be performed before mixing commercial quantities of SureGuard Herbicide, when using SureGuard Herbicide for the first time, when using new adjuvants or when a new water source is being used.

1. Add 1 pt of water to a quart jar. The water should be from the same source and have the same temperature as the water used in the spray tank mixing operation.

2. Add 3 grams (approximately 1 level tsp) of SureGuard Herbicide for the 8 oz/A rate or 4 grams (approximately 1-1/2 tsp) for 12 oz/A rate to the jar. Gently mix until product disperses.

3. Add 60 ml (4 Tbsp or 2 fl oz) of additive to the quart jar and gently mix.

4. If nitrogen is being used, add 16 ml (1 Tbsp) of the 28 to 32% nitrogen source to the quart jar. If ammonium sulfate is being used, add 19 grams of AMS to the quart jar in place of the 28 to 32% nitrogen.

5. Place cap on jar, invert 10 times, let stand for 15 minutes, evaluate.

6. An ideal tank mix combination will be uniform and free of suspended particles. If any of the following conditions are observed the choice of adjuvant should be questioned:
   a) Layer of oil or globules on the solution surface.
   b) Flocculation: Fine particles in suspension or as a layer on the bottom of the jar.
   c) Clabbering: Thickening texture (coagulated) like gelatin.

APPLICATION EQUIPMENT

Important: Thoroughly clean spray equipment, including all tanks, hoses, booms, screens and nozzles, after application of SureGuard Herbicide. Equipment with SureGuard Herbicide residue remaining in the system may result in crop injury to subsequently treated crops.

SPRAYER PREPARATION
Before applying SureGuard Herbicide, clean the spray tank, as well as all hoses and booms to ensure no residue from the previous spraying operation remains in the sprayer. Some pesticides, including but not limited to the sulfonylurea and phenoxy herbicides, are active at very small amounts and can cause crop injury when applied to susceptible crops. Clean spray equipment according to the manufacturer’s directions for the last product used before the equipment is used to apply SureGuard Herbicide. If two or more products were tank mixed prior to SureGuard Herbicide application, follow the most restrictive cleanup procedure on the label of all products.
8. Add enough clean water to the spray tank to flush hoses, booms, screens and nozzles for 2 minutes.
9. Remove all nozzles and screens and rinse them with clean water.

APPLICATION EQUIPMENT
Application equipment should be clean and in good repair. Nozzles should be uniformly spaced on boom and frequently checked for accuracy.

BROADCAST APPLICATION
Apply SureGuard Herbicide, and SureGuard Herbicide tank mixes, with ground equipment using standard commercial sprayers equipped with nozzles designed to deliver the desired spray pressure and spray volume.

BAND APPLICATION
When banding, use proportionately less water and SureGuard Herbicide per acre.

BACKPACK APPLICATION
When applying SureGuard Herbicide with a backpack sprayer follow all above restrictions. Calibrate backpack sprayers to deliver 1 gal of spray solution per 500 to 1,000 sq ft.

MIXING INSTRUCTIONS
1. Fill clean spray tank 1/2 to 2/3 of desired level with clean water.
2. To ensure a uniform spray mixture, pre-slurry the required amount of SureGuard Herbicide with water prior to addition to the spray tank. Use a minimum of 1 gal of water per 10 oz of SureGuard Herbicide.
3. While agitating, slowly add the pre-slurried SureGuard Herbicide to the spray tank. Agitation should create a rippling or rolling action on the water surface.
4. If tank mixing SureGuard Herbicide with other labeled 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.
5. Add any required adjuvants.
6. Fill spray tank to desired level with water. Continue agitation until spray solution has been applied.
7. While agitating, slowly add the pre-slurried SureGuard Herbicide to the spray tank. Agitation should create a rippling or rolling action on the water surface.
8. Mix only the amount of spray solution that can be applied the day of mixing. Apply SureGuard Herbicide within 12 hours of mixing.

SPRAYER CLEANUP
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 and rinse the sprayer thoroughly, including the inside and outside of the tank and all in-line screens.
2. Fill the tank with clean water and flush all hoses, booms, screens and nozzles.
3. Top off tank with clean water and household ammonia. Use 1 gal of 3% household ammonia for every 100 gals of water.
4. Circulate through sprayer for 5 minutes.
5. Then flush all hoses, booms, screens and nozzles for a minimum of 15 minutes.
6. Loosen any diaphragms before flushing the spray system, allowing the cleaning solution to spray through the open diaphragm.
7. Drain tank completely.
8. Add enough clean water to the spray tank to flush hoses, booms, screens and nozzles for 2 minutes.
9. Remove all nozzles and screens and rinse them with clean water.
Nozzles and Nozzle Operation

Use nozzles that produce flat or hollow cone spray patterns. Use non-drip type nozzles such as diaphragm type nozzles to avoid unwanted discharge of spray solution. The nozzle must be directed toward the rear of the aircraft, at an angle between 0 and 15° downward. Do not place nozzles on the outer 25% of the wings or rotors.

Adjuvants

Refer to the additive section or the tank mix partners label for adjuvant recommendation.

CALIBRATION TABLE

<table>
<thead>
<tr>
<th>SUREGUARD HERBICIDE RATES OZ/A</th>
<th>SUREGUARD HERBICIDE RATES GRAMS/GAL</th>
<th>SUREGUARD HERBICIDE RATES PER GAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>2.3</td>
<td>3/4 tsp</td>
</tr>
<tr>
<td>10</td>
<td>2.8</td>
<td>1 level tsp</td>
</tr>
<tr>
<td>12</td>
<td>3.4</td>
<td>1-1/4 tsp</td>
</tr>
</tbody>
</table>

SPRAY DRIFT REDUCTION

Do not apply under circumstances where possible drift to unprotected persons or to 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 as possible and by avoiding excessive spray boom pressure. For ground boom and aerial applications, use medium or coarser spray nozzles according to ASAE 572 definition for standard nozzles or a volume mean diameter (VMD) of 300 microns or greater for spinning atomizer nozzles.
- Make aerial or ground applications when the wind velocity favors on-target product deposition. Apply only when the wind speed is less than or equal to 10 mph. For all non-aerial applications, wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application.

For Backpack Applications of SureGuard Herbicide at 10 oz per acre

<table>
<thead>
<tr>
<th>Application Volume</th>
<th>Amount of SureGuard Herbicide to mix in 1 gal of water</th>
<th>Amount of SureGuard Herbicide to mix in 2 gals of water</th>
<th>Amount of SureGuard Herbicide to mix in 3 gals of water</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 gal per 500 sq ft (= 87 GPA)</td>
<td>1-1/4 tsp</td>
<td>2-1/2 tsp</td>
<td>3-3/4 tsp</td>
</tr>
<tr>
<td>1 gal per 750 sq ft (= 58 GPA)</td>
<td>1-3/4 tsp</td>
<td>3-1/2 tsp</td>
<td>5-1/4 tsp</td>
</tr>
<tr>
<td>1 gal per 1,000 sq ft (= 43.5 GPA)</td>
<td>2-1/2 tsp</td>
<td>5 tsp</td>
<td>7-1/2 tsp</td>
</tr>
</tbody>
</table>

1 level teaspoon (tsp) holds 2.8 grams of SureGuard Herbicide

Example: Applicator wants to spray 1 gal of SureGuard Herbicide solution per 1,000 sq ft of ground bed, and wants to mix up 2 gals of spray solution. Therefore, applicator should mix 5 teaspoons of SureGuard Herbicide in 2 gals of water.

AERIAL APPLICATION

To obtain satisfactory weed control with aerial application of SureGuard Herbicide, coverage must be uniform. Do not spray when drift is possible or when wind velocity is more than 10 mph. Avoid spraying SureGuard Herbicide within 200 feet of dwellings, adjacent sensitive crops or environmentally sensitive areas. To obtain satisfactory application and drift, the following directions must be observed:

Volume Pressure

Apply SureGuard Herbicide in 5 to 10 gals of water per acre, with a maximum spray pressure of 40 PSI. Application at less than 5 gals per acre may not provide adequate weed control. Higher gallonage applications generally provide more consistent weed control.
- Do not make aerial or ground applications into areas of 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 aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.
- For ground boom applications, apply with nozzle height no more than 4 ft above the ground or crop canopy.

**WEEDS CONTROLLED**

When SureGuard Herbicide is applied preemergence or postemergence at recommended rates and weed stages, the following grasses and broadleaf weeds are controlled.

### TABLE 1. WEEDS CONTROLLED BY SUREGUARD HERBICIDE (continued)

<table>
<thead>
<tr>
<th>COMMON NAME</th>
<th>SCIENTIFIC NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alyssum, Hoary</td>
<td>Berteroa incana</td>
</tr>
<tr>
<td>American Burnweed</td>
<td>Echinochloa crus-galli</td>
</tr>
<tr>
<td>Barnyardgrass*</td>
<td>Echinochloa crus-galli</td>
</tr>
<tr>
<td>Beggarweed, Florida</td>
<td>Desmodium tortuosum</td>
</tr>
<tr>
<td>Bittercress, Hairy</td>
<td>Cardamine hirsuta</td>
</tr>
<tr>
<td>Bluegrass, Annual*</td>
<td>Poa annua</td>
</tr>
<tr>
<td>Burclover, California</td>
<td>Medicago polymorpha</td>
</tr>
<tr>
<td>*Preemergence control only.</td>
<td>(continued)</td>
</tr>
<tr>
<td>COMMON NAME</td>
<td>SCIENTIFIC NAME</td>
</tr>
<tr>
<td>----------------------</td>
<td>-------------------------------------</td>
</tr>
<tr>
<td>Jimsonweed</td>
<td>Datura stramonium</td>
</tr>
<tr>
<td>Kochia</td>
<td>Kochia scoparia</td>
</tr>
<tr>
<td>Kyllinga, Green*</td>
<td>Kyllinga brevifolia</td>
</tr>
<tr>
<td>Ladysthumb</td>
<td>Polygonum persicaria</td>
</tr>
<tr>
<td>Lambsquarters, Common</td>
<td>Chenopodium album</td>
</tr>
<tr>
<td>Liverwort</td>
<td>Marchantia polymorpha</td>
</tr>
<tr>
<td>Lovegrass, California*</td>
<td>Eragrostis diffusa</td>
</tr>
<tr>
<td>Mallow</td>
<td></td>
</tr>
<tr>
<td>Common</td>
<td>Malva neglect</td>
</tr>
<tr>
<td>Little</td>
<td>Malva parviflora</td>
</tr>
<tr>
<td>Venice</td>
<td>Hibiscus trionum</td>
</tr>
<tr>
<td>Marsh Parsley</td>
<td>Apium leptophyllum</td>
</tr>
<tr>
<td>Marsh Yellowcress</td>
<td>Rorippa islandica</td>
</tr>
<tr>
<td>Mayweed*</td>
<td>Anthemis cotula</td>
</tr>
<tr>
<td>Morningglory</td>
<td></td>
</tr>
<tr>
<td>Entireleaf</td>
<td>Ipomoea hederacea var. integriuscula</td>
</tr>
<tr>
<td>Ivyleaf</td>
<td>Ipomoea hederacea</td>
</tr>
<tr>
<td>Red/Scarlet</td>
<td>Ipomoea coccinea</td>
</tr>
<tr>
<td>Smallflower</td>
<td>Jacquemontia tannifolia</td>
</tr>
<tr>
<td>Tall</td>
<td>Ipomoea purpurea</td>
</tr>
<tr>
<td>Moss</td>
<td>Bryum spp.</td>
</tr>
<tr>
<td>Mulberry Weed</td>
<td>Fatua villosa</td>
</tr>
<tr>
<td>Mustard</td>
<td></td>
</tr>
<tr>
<td>Tumble</td>
<td>Sisymbrium altissimum</td>
</tr>
<tr>
<td>Wild</td>
<td>Brassica kaber</td>
</tr>
<tr>
<td>Nightshade</td>
<td></td>
</tr>
<tr>
<td>Black</td>
<td>Solanum nigrum</td>
</tr>
<tr>
<td>Eastern Black</td>
<td>Solanum ptycanthum</td>
</tr>
<tr>
<td>Hairy</td>
<td>Solanum sarrachoides</td>
</tr>
</tbody>
</table>

*Preemergence control only.
ing periods of cool, cloudy weather, use caution to ensure conifers have hardened off prior to herbicide application. Do not apply to conifers within 1 year of seedling emergence.

**PREEMERGENCE APPLICATION**

Apply 8 to 12 oz (0.25 to 0.38 lb ai/A) of SureGuard Herbicide per broadcast acre before weeds emerge. Apply to weed free, established conifers grown in containers or in the field (in ground). If possible, irrigate treated area with 0.5 to 0.75 inch of water immediately following application. SureGuard Herbicide may be sprayed directly over conifers listed in Table 2, provided bud break has not occurred or plants are hardened off. Needle burn may be observed on new flush if plants are actively growing at time of application. However, SureGuard Herbicide will typically not affect subsequent growth. If conifers are not dormant or hardened off at the time of application, and foliar injury cannot be tolerated, apply SureGuard Herbicide as a directed spray, taking care to minimize direct contact or drift of sprays onto foliage. Mechanically incorporating SureGuard Herbicide after application will disturb soil surfaces, which may reduce herbicidal efficacy. When applied before weed germination, SureGuard Herbicide will control broadleaf and grassy weeds listed in Table 1.

**POSTEMERGENCE APPLICATION**

Apply 8 to 12 oz (0.25 to 0.38 lb ai/A) of SureGuard Herbicide per broadcast acre after weeds have emerged. SureGuard Herbicide may be sprayed directly over conifers listed in Table 2, provided bud break has not occurred or plants are hardened off. Needle burn may be observed on new flush if plants are actively growing at time of application. However, SureGuard Herbicide will typically not affect subsequent growth. If conifers are not dormant or hardened off at the time of application, and foliar injury cannot be tolerated, apply SureGuard Herbicide as a directed spray, taking care to minimize direct contact or drift of sprays onto foliage.

If applied when weeds are actively growing and no larger than 2 inches in height, SureGuard Herbicide will provide postemergence control of broadleaf weeds and grassy weeds listed in Table 1.
grasses listed in Table 1. Postemergent control of SureGuard Herbicide may be more effective with certain weed species, and may not control mature, stressed or hardened off weeds that are not actively growing at the time of application.

**TANK MIXTURES FOR CONTAINER AND FIELD GROWN CONIFERS**

Tank mixing SureGuard Herbicide with other preemergence and postemergence herbicides registered for use on conifers may provide a broader spectrum of weed control than SureGuard Herbicide applied alone. SureGuard Herbicide may also be applied as part of a postemergence burndown program for control of annual and perennial weeds. Tank mixing SureGuard Herbicide with glyphosate will increase the speed of burndown compared to glyphosate applied alone. SureGuard Herbicide may be tank mixed with products containing the following active ingredients labeled for use in conifers:

- clethodim
- oryzalin
- simazine*
- glyphosate*
- prodiamine

*Do not apply glyphosate or simazine to containerized ornamentals.

**IMPORTANT:** Completely read and follow the label of any potential SureGuard Herbicide tank mix partner. When tank mixing SureGuard Herbicide with other herbicides, always follow the most restrictive label limitations and precautions on the label of any tank mix partner.

**TOLERANT CONIFERS**

SureGuard Herbicide may be applied to the conifer species listed in Table 2. If a desired conifer species is not listed in Table 2, users should evaluate the safety of SureGuard Herbicide on a small number of plants under commercial growing conditions, and monitor plant response for four to six weeks for phytotoxicity. Testing SureGuard Herbicide on a small number of plants will determine if SureGuard Herbicide can be used safely on a widespread basis.

**RESTRICTIONS AND LIMITATIONS**

- Do not apply more than 2 applications at 12 oz/A or 3 applications at 8 oz/A per year.
- Do not re-apply SureGuard Herbicide within 30 days.

---

**TABLE 2. TOLERANT CONIFERS**

<table>
<thead>
<tr>
<th>COMMON NAME</th>
<th>SCIENTIFIC NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Arborvitae</strong></td>
<td></td>
</tr>
<tr>
<td>American</td>
<td>Thuja occidentalis</td>
</tr>
<tr>
<td>Oriental</td>
<td>Thuja orientalis</td>
</tr>
<tr>
<td><strong>Fir</strong></td>
<td></td>
</tr>
<tr>
<td>Concolor</td>
<td>Abies concolor</td>
</tr>
<tr>
<td>Cork Bark</td>
<td>Abies lasiocarpa</td>
</tr>
<tr>
<td>Douglas</td>
<td>Pseudotsuga menziesii</td>
</tr>
<tr>
<td>Fraser</td>
<td>Abies fraseri</td>
</tr>
<tr>
<td>Grand</td>
<td>Abies grandis</td>
</tr>
<tr>
<td>Noble</td>
<td>Abies procera</td>
</tr>
<tr>
<td>Turkish</td>
<td></td>
</tr>
<tr>
<td>Hemlock</td>
<td>Tsuga canadensis</td>
</tr>
<tr>
<td>Eastern</td>
<td>Tsuga heterophylla</td>
</tr>
<tr>
<td><strong>Juniper</strong></td>
<td></td>
</tr>
<tr>
<td>Blue Star</td>
<td>Juniperus scopularum</td>
</tr>
<tr>
<td>Creeping</td>
<td>Juniperus horizontalis</td>
</tr>
<tr>
<td>Japanese Garden</td>
<td>Juniperus chinensis</td>
</tr>
<tr>
<td>Tamarix</td>
<td></td>
</tr>
</tbody>
</table>

(continued)
when applied to the soil and base of plants. Application of SureGuard Herbicide to deciduous foliage or green bark may result in unacceptable injury.

SureGuard Herbicide may be applied to established (or transplanted) container and field grown deciduous trees. Do not apply to trees that are less than one year old or have been transplanted less than one year, unless completely protected by non-porous wraps, grow tubes, waxed protectors or other forms of protection to young foliage and/or bark. Do not harvest fruit or nuts from treated trees within one year of application.

IMPORTANT: Direct application of SureGuard Herbicide to the soil surface and away from plant foliage and bark. Avoid direct spray contact on plant surfaces, foliage and green bark or injury may result. Application of SureGuard Herbicide after bud swell may cause injury if herbicide contacts foliage. Avoid application under environmental conditions that favor drift to non-targeted areas.

PREEMERGENCE APPLICATION
Apply 8 to 12 oz (0.25 to 0.38 lb ai/A) of SureGuard Herbicide per broadcast acre as a preemergence (to weed emergence) application. Apply SureGuard Herbicide to weed free deciduous trees grown in containers or in the field (in-ground). If possible, irrigate treated area with 0.5 to 0.75 inch of water immediately following application. SureGuard Herbicide may be applied to the soil surface and base of deciduous trees, provided that direct and indirect (drift) applications to plant foliage, flowers and green bark does not occur. 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 suggested. When applied before weed germination, SureGuard Herbicide will control broadleaf and grassy weeds listed in Table 1.

POSTEMERGENCE APPLICATION
Apply 8 to 12 oz (0.25 to 0.38 lb ai/A) of SureGuard Herbicide per broadcast acre plus an adjuvant (0.25% v/v non-ionic surfactant or 1 qt/A crop oil concentrate). Make postemergence (to weed emergence) applications of SureGuard Herb-

<table>
<thead>
<tr>
<th>COMMON NAME</th>
<th>SCIENTIFIC NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pine</td>
<td>Pinus nigra</td>
</tr>
<tr>
<td>Austrian</td>
<td>Pinus strobus</td>
</tr>
<tr>
<td>Eastern White</td>
<td>Pinus banksiana</td>
</tr>
<tr>
<td>Jack</td>
<td>Pinus taeda</td>
</tr>
<tr>
<td>Lodgepole</td>
<td>Pinus contorta</td>
</tr>
<tr>
<td>Longleaf</td>
<td>Pinus palustris</td>
</tr>
<tr>
<td>Mugo</td>
<td>Pinus mugo</td>
</tr>
<tr>
<td>Ponderosa</td>
<td>Pinus ponderosa</td>
</tr>
<tr>
<td>Sand</td>
<td>Pinus clausa</td>
</tr>
<tr>
<td>Scotch</td>
<td>Pinus sylvestris</td>
</tr>
<tr>
<td>Shortleaf</td>
<td>Pinus echinata</td>
</tr>
<tr>
<td>Slash</td>
<td>Pinus elliottii</td>
</tr>
<tr>
<td>Virginia</td>
<td>Pinus virginiana</td>
</tr>
<tr>
<td>Spruce</td>
<td>Picea pungens</td>
</tr>
<tr>
<td>Dwarf Alberta</td>
<td>Picea glauca conica</td>
</tr>
<tr>
<td>Norway</td>
<td>Picea abies</td>
</tr>
<tr>
<td>Sitka</td>
<td>Picea sitchensis</td>
</tr>
<tr>
<td>Yew</td>
<td>Taxus baccata</td>
</tr>
<tr>
<td>English</td>
<td>Taxus cuspidata</td>
</tr>
<tr>
<td>Japanese</td>
<td>Taxus cuspidata</td>
</tr>
</tbody>
</table>

DIRECTIONS FOR USE IN CONTAINER AND FIELD GROWN DECIDUOUS TREES AND NON-BEARING FRUIT AND NON-BEARING NUT TREES
SureGuard Herbicide may be applied as single or split applications to container and field grown deciduous trees with an established root system. The deciduous trees listed in Table 3 have exhibited tolerance to SureGuard Herbicide only
TOLERANT DECIDUOUS TREES, NON-BEARING FRUIT AND NON-BEARING NUT TREES
SureGuard Herbicide may be applied as a directed spray to the deciduous, non-bearing fruit and non-bearing nut trees species listed in Table 3. If a desired tree species is not listed in Table 3, users should evaluate the safety of SureGuard Herbicide on a small number of plants under commercial growing conditions and monitor plant response for four to six weeks for phytotoxicity. Testing SureGuard Herbicide on a small number of plants will determine if SureGuard Herbicide can be used safely on a widespread basis.

RESTRICTIONS AND LIMITATIONS
• Do not apply more than 2 applications at 12 oz/A or 3 applications at 8 oz/A per year.
• Do not re-apply SureGuard Herbicide within 30 days.

TABLE 3. TOLERANT DECIDUOUS TREE SPECIES

<table>
<thead>
<tr>
<th>COMMON NAME</th>
<th>SCIENTIFIC NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apricot*</td>
<td>Prunus spp.</td>
</tr>
<tr>
<td>Ash</td>
<td>Fraxinus spp.</td>
</tr>
<tr>
<td>Birch</td>
<td>Betula spp.</td>
</tr>
<tr>
<td>Buckeye</td>
<td>Aesculus spp.</td>
</tr>
<tr>
<td>Cherry*</td>
<td>Prunus spp.</td>
</tr>
<tr>
<td>Chestnut</td>
<td>Castanea spp.</td>
</tr>
<tr>
<td>Citrus*</td>
<td>Citrus spp.</td>
</tr>
<tr>
<td>Dogwood</td>
<td>Cornus spp.</td>
</tr>
<tr>
<td>Eucalyptus</td>
<td>Eucalyptus spp.</td>
</tr>
<tr>
<td>Ginkgo</td>
<td>Ginkgo spp.</td>
</tr>
<tr>
<td>Hawthorn</td>
<td>Crataegus spp.</td>
</tr>
<tr>
<td>Honeylocust</td>
<td>Gleditsia spp.</td>
</tr>
<tr>
<td>Larch</td>
<td>Larix spp.</td>
</tr>
<tr>
<td>Lilac</td>
<td>Syringa spp.</td>
</tr>
<tr>
<td>Maple**</td>
<td>Acer spp.</td>
</tr>
<tr>
<td>Myrtle, Crepe</td>
<td>Lagerstroemia indica</td>
</tr>
</tbody>
</table>

(continued)
IMPORTANT: Contact with SureGuard Herbicide spray or spray drift may cause severe injury or destruction of certain desirable plants, especially herbaceous species such as bedding plants or direct seeded annual and perennial flowers. Therefore, do not apply SureGuard Herbicide over the top of ornamental plants growing in the landscape, and do not allow SureGuard Herbicide spray to contact, drift or splash from soil onto the foliage, green stems, exposed roots or fruit of desirable plants. Avoid application of SureGuard Herbicide under conditions that favor drift of sprays onto desired ornamentals or turfgrass. The use of spray shields that limit the plant exposure to SureGuard Herbicide is highly recommended when applying SureGuard Herbicide near desirable plants.

Do not apply SureGuard Herbicide around landscape ornamentals until plants have been actively growing for at least 30 days after transplanting, or for at least two months before ornamentals will be planted into treated areas.

PREEMERGENCE APPLICATION (NO WEEDS ARE PRESENT)
Mix 1-1/4 to 2-1/2 tsp of SureGuard Herbicide per gal (10 oz/A) of spray solution, and apply 1 gal of spray solution to 500 - 1,000 sq ft (10 oz/A) prior to weed germination (see calibration table for backpack sprayers). Apply SureGuard Herbicide to weed free soil, mulch or gravel surfaces. Moisture is necessary to activate SureGuard Herbicide on soil for residual weed control. When applied before weed germination, SureGuard Herbicide will control the broadleaf weeds and grasses listed in Table 1.

Established landscape ornamentals have shown tolerance to SureGuard Herbicide only when applied to the soil at the base of the plant. For maximum plant safety when using around desirable ornamentals, direct applications of SureGuard Herbicide to the soil, and leave a sufficient untreated buffer to ensure spray solution does not contact desired plants. Do not harvest fruit or nuts from treated trees within one year of application.

POSTEMERGENCE APPLICATION (WEEDS ARE PRESENT)
Mix 1-1/4 to 2-1/2 tsp of SureGuard Herbicide per gal (10 oz/A) and apply 1 gal

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**TABLE 3. TOLERANT DECIDUOUS TREE SPECIES**

<table>
<thead>
<tr>
<th>COMMON NAME</th>
<th>SCIENTIFIC NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oak</td>
<td>Quercus spp.</td>
</tr>
<tr>
<td>Poplar</td>
<td>Populus spp.</td>
</tr>
<tr>
<td>Peach*</td>
<td>Prunus spp.</td>
</tr>
<tr>
<td>Plum*</td>
<td>Prunus spp.</td>
</tr>
<tr>
<td>Pecan*</td>
<td>Carya spp.</td>
</tr>
<tr>
<td>Redbud</td>
<td>Cercis canadensis</td>
</tr>
<tr>
<td>Sweetgum</td>
<td>Liquidambar styraciflua</td>
</tr>
<tr>
<td>Sycamore</td>
<td>Platanus spp.</td>
</tr>
<tr>
<td>Walnut, Black</td>
<td>Juglans nigra</td>
</tr>
<tr>
<td>Willow</td>
<td>Salix spp.</td>
</tr>
</tbody>
</table>

* Non-bearing trees only.
** Not for use on maple trees used for production of maple sap or syrup.
of spray solution to 500 - 1,000 sq ft to actively growing weeds (see calibration chart for backpack sprayers). Tank mixing SureGuard Herbicide with glyphosate will increase the spectrum of postemergent weed control over SureGuard Herbicide alone, provide faster postemergence weed control than glyphosate alone, and provide pre and postemergence control of the broadleaf weeds and grasses listed in Table 1.

Established landscape ornamentals have shown tolerance to applications of SureGuard Herbicide plus glyphosate only when applied to the soil at the base of the plant, and sprays do not directly contact or drift onto desirable plants. For maximum plant safety when using around desirable ornamentals, direct applications of SureGuard Herbicide plus glyphosate towards the soil, and leave a sufficient non-treated buffer to ensure spray solution does not contact desired plants. Thorough spray coverage of weeds is necessary to maximize weed control. Spray coverage should be uniform, but do not spray to the point of runoff.

Do not harvest fruit or nuts from treated trees within one year of application.

IMPORTANT: Completely read and follow the glyphosate label. When tank mixing SureGuard Herbicide with other products, always follow the most restrictive use conditions on either label.

RESTRICTIONS AND LIMITATIONS
- Do not apply more than 2 applications per year.

DIRECTIONS FOR USE TO MAINTAIN BARE GROUND NON-CROP AREAS IN AND AROUND ORNAMENTAL NURSERIES
SureGuard 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 Herbicide only to:
- Bare ground areas around buildings and other structures. Do not apply within any structure.
- Bare ground along fence rows.
- Gravel surfaces and driveways.
- Ground matting and gravel pads prior to the addition of containerized plants (conifers, deciduous trees and ornamentals).

IMPORTANT: Follow all applicable directions as outlined above under General Information. See Table 1 for a list of grasses and broadleaf weeds controlled by SureGuard Herbicide.

SureGuard Herbicide offers residual and postemergence control of susceptible grasses and broadleaf weeds as well as additional mode of action to assist in the control of resistant weeds. The length of residual control is dependent on the rate applied as well as on rainfall and temperature conditions. Length of residual control will decrease as temperature and precipitation increase.

PREEMERGENCE APPLICATION
Apply 8 to 12 oz (0.25 to 0.38 lb ai/A) of SureGuard Herbicide per broadcast acre as a preemergence application. Preemergence (to weed emergence) applications of SureGuard Herbicide should be made to weed free surfaces. Moisture is necessary to activate SureGuard Herbicide for residual weed control. Dry weather following application of SureGuard Herbicide may reduce effectiveness. However, when adequate moisture is received after dry conditions, SureGuard Herbicide will control susceptible germinating weeds.

POSTEMERGENCE APPLICATION
Apply 8 to 12 oz (0.25 to 0.38 lb ai/A) of SureGuard Herbicide per broadcast acre plus a surfactant (0.25% v/v non-ionic surfactant or 1 qt/A crop oil concentrate). The addition of a surfactant enhances SureGuard Herbicide activity on emerged weeds. Thorough spray coverage is necessary to maximize the postemergence activity of SureGuard Herbicide. Emerged weeds are controlled postemergence with SureGuard Herbicide, however, translocation of SureGuard Herbicide within a weed is limited, and control is affected by spray coverage and by the addition of a surfactant. The most effective postemergence weed control with SureGuard Herbicide occurs when applied in combination with a surfactant to weeds less than 2 inches in height.
SureGuard Herbicide will provide best control of annual bluegrass when applied in the late fall while plants are small. Control may be less effective when applied in the winter under cold conditions when weeds are not actively growing. A second application of SureGuard Herbicide may be required to provide adequate season-long annual bluegrass control.

SureGuard Herbicide will provide best control of crabgrass, goosegrass and other summer annual weeds when applied in the late winter before turfgrass resumes active growth.

**SPOT TREATMENTS**
Mix 2-1/2 tsp per gal of SureGuard Herbicide and 2 tsp (1/3 fl oz) of non-ionic surfactant in one gal of water and apply one gal of spray solution per 1,000 sq ft. Occasionally shake the spray solution while spraying to ensure the spray solution remains well mixed. Spray the target weeds until the leaves are wet.

**TANK MIXING WITH OTHER TURFGRASS HERBICIDES**
SureGuard Herbicide will suppress, but will not effectively control established winter perennial weeds such as dandelion and clover. SureGuard Herbicide may be tank mixed with metsulfuron to control winter perennial weeds.

**IMPORTANT:** If applied in the spring after turfgrass resumes active growth, SureGuard Herbicide will cause temporary discoloration of turf and delay green-up. Read and follow the label of any herbicides mixed with SureGuard Herbicide. When tank mixing SureGuard Herbicide with other herbicides, always follow the most restrictive limitations and precautions on the label of any tank mix partner.

**USE PRECAUTIONS**
- **Use Around Bentgrass and Poa Greens:** SureGuard Herbicide has limited potential for lateral movement on level terrain, but can potentially move down slope after excessive rainfall and affect sensitive turf species such as bentgrass and _Poa trivialis_. When applied upslope from bentgrass greens or bermudagrass greens overseeded with _Poa trivialis_, allow an adequate buffer zone between greens and the treated area. If uncertain about the size of the buffer, 15 feet is suggested. Risk of movement is decreased when SureGuard Herbicide is applied.
applied to soil at less than field capacity. Avoid application when heavy rain is imminent or when the soil is saturated.

RESTRICTIONS AND LIMITATIONS
• Do not apply to golf course putting greens.
• Do not apply to warm season turfgrass that has been overseeded with cool season turfgrass (eg., perennial rye, Poa trivialis).
• Do not irrigate within 1 hour before or after application.
• Do not apply if rain is expected within 1 hour after application.
• Do not mow turfgrass within 12 hours after application.
• Do not apply within 30 days prior to cutting or lifting sod.
• Do not apply more than 2 applications at 12 oz/A or 3 applications at 8 oz/A per year.
• Do not re-apply SureGuard Herbicide within 30 days.
• Do not apply in fall before turfgrass has ceased active growth or in late winter/early spring after turfgrass has resumed active growth.
• Allow 8 weeks between application and seeding or sodding of turfgrass.

TABLE 4. TOLERANT TURFGRASS SPECIES

<table>
<thead>
<tr>
<th>COMMON NAME</th>
<th>SCIENTIFIC NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bermudagrass</td>
<td>Cynodon spp.</td>
</tr>
</tbody>
</table>
SureGuard is a registered trademark of Valent U.S.A. Corporation

Manufactured for
Valent U.S.A. Corporation
P.O. Box 8025
Walnut Creek CA 94596-8025
Form 1732-C
Made in U.S.A.
059639-00120.20140813.SGD.AMEND
EPA Reg. No. 59639-120
EPA Est. 11773-IA-01®, 39578-TX-01®, 5905-IA-01®
Superscript is first letter of lot number.
SureGuard® Herbicide

FOR USE IN CONTAINER AND FIELD GROWN CONIFERS AND DECIDUOUS TREES, AROUND ESTABLISHED WOODY ORNAMENTALS IN LANDSCAPES, TO MAINTAIN BARE GROUND NON-CROP AREAS AND DORMANT TURFGRASS

Active Ingredient
By Wt.
*Flumioxazin.................. 51%
Other Ingredients............... 49%
Total.......................... 100%

*(2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoazin-6-yl]-4,5,6,7-tetrahydro-1H-isooindole-1, 3(2H)-dione)

SureGuard® Herbicide is a water dispersible granule containing 51% active ingredient.

EPA Reg. No. 59639-120
EPA Est. 11773-IA-01®, 39578-TX-01®, 5905-IA-01®
Superscript is first letter of lot number.

KEEP OUT OF REACH OF CHILDREN
CAUTION
SEE NEXT PAGE FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

NET WEIGHT 1 POUND

Form 1732-C