

## **ORNAMENTAL BULBS - MEDIUM AND FINE**

### General Information

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Surflan XL 2G herbicide is a preemergence herbicide for control of certain annual grasses and broadleaf weeds in container and landscape ornamentals, nursery stock, ground covers, established tall fescue and warm season turf, established flowers, ornamental bulbs, non-bearing fruit and nut trees and non-bearing vineyards, non-bearing berries, Christmas tree plantations, non-cropland and established tall fescue and warm season turf (including bahiagrass, bermudagrass, buffalograss, centipedegrass, St. Augustinegrass, and zoysiagrass). Apply Surflan XL 2G prior to germination of target weeds or immediately after cultivation. Length of weed control will vary with rate of Surflan XL 2G applied, weed population, potting media or soil conditions, temperature, watering regime, and other factors. Following application, user should monitor and observe level of weed control over time to determine when additional applications may be needed.

### General Use Precautions and Restrictions

Do not aerially apply this product.

Do not graze or feed forage from treated areas to livestock.

- Landscape and field grown ornamentals: maximum number of applications per year is 2.
- Ornamental bulbs: for fall application to coarse soils - maximum number of applications per year is 2.
- Ornamental bulbs: applications February through March, all soils - maximum number of applications per year is 3.
- Christmas tree plantations: maximum number of applications per year is 2.
- Noncrop areas: maximum number of applications per year is 2. Surflan XL 2G does not control established weeds. Existing weeds should be controlled by cultivation or with postemergence herbicides. Weed residues, prunings and trash should be

removed or thoroughly mixed into soil prior to treatment. Soil should be in good condition and free of clods at the time of application. When applied to turf, this product must be watered in as soon as possible after application to dissolve the granules. A single rainfall or irrigation of 1/2 inch or more is required after product application.

For other applications, a single rainfall or sprinkler irrigation of 0.5 inches or more, or flood irrigation is required to activate Surflan XL 2G. If rainfall or irrigation has not occurred within 21 days of application and tillage is possible, Surflan XL 2G may be activated using cultivation equipment capable of uniformly mixing the herbicide into the upper 1-2 inches of soil. Failure to activate Surflan XL 2G may result in erratic weed control. Do not apply when wind conditions favor drift of Surflan XL 2G granules from the target area.

Users who wish to use Surflan XL 2G on plant species not recommended on the label may determine the suitability for such uses by treating a small number of such plants at a recommended rate. Prior to treatment of larger areas, the treated plants should be observed for any sign of herbicidal injury during 30 to 60 days of normal growing conditions to determine if the treatment is non-injurious to the target plant species. The user assumes responsibility for any plant damage or other liability resulting from use of Surflan XL 2G on plant species not recommended on the label.

### Application Directions

Apply Surflan XL 2G using a drop or rotary-type spreader designed to apply granular herbicides or insecticides. Calibrate application equipment prior to use according to manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly. Do not use spreaders that apply material in narrow concentrated bands. Avoid skips or overlaps as poor weed control or crop injury may occur. More uniform application may be achieved by spreading half of the required amount of product over the area and then applying the remaining half in swaths at right angles to the first.

### Application Techniques for Applying Surflan XL 2G

- When using a drop-type spreader, a splashboard mounted under the hopper will provide more even granule distribution.
- A chain fastened to the side of the spreader and allowed to drag on the soil

surface can be used to mark the edge of the treated swath and help prevent skips or overlaps.

- For treating smaller areas or rows of nursery stock or ornamental beds, a hand held or push-type rotary applicator such as a whirlybird or cyclone unit is recommended. For hand held units, walk and turn the crank at a constant rate of speed.

- A shaker-type applicator made from a small container with holes punched in the bottom is recommended for small, difficult to treat areas. Carefully measure the amount of product needed to avoid over-application.

### Approved Uses

Established Container Grown Ornamentals, Established Tall Fescue and Warm Season Turfgrasses, Landscape Ornamentals, Nursery Stock, Ground Covers, Flowers, Ornamental Bulbs, Non-bearing Fruit and Nut Trees and Non-bearing Vineyards, Non-bearing Berries, Christmas Tree Plantations, and Non-cropland

Surflan XL 2G is recommended as a preemergence treatment for control of certain annual grasses and broadleaf weeds in container grown ornamentals, landscape ornamentals, nursery stock, ground covers, established tall fescue, warm season turfgrasses, established flowers, ornamental bulbs, non-bearing fruit and nut trees and non-bearing vineyards, non-bearing berries, Christmas tree plantations, and non-cropland. Apply Surflan XL 2G prior to germination of target weeds, or immediately after cultivation.

- Definition of established plantings: Apply only to established plantings. Established plants are defined as those that have been transplanted into their final growing location for a sufficient period of time to allow the soil to be firmly settled around the roots from packing and rainfall or irrigation. Do not apply to seedbeds or seedling transplant beds.

Note: Refer to the "General Information" section of the label for general use precautions and information on application.

### Special Use Precautions

To avoid possible plant injury, do not apply Surflan XL 2G to:

- plants or areas in greenhouses or other enclosed structures.
- plants that will bear fruits, berries or nuts within 12 months of application.
- nursery seedbeds or forest or Christmas tree seedling transplant beds.
- unrooted liners or cuttings that have been planted in pots for the first time.
- pots less than four inches wide.
- ground covers until they are established and well rooted.
- ornamental plantings where the likelihood of runoff onto lawn areas containing dichondra or cool season turfgrass species exists.
- Do not apply Surflan XL 2G to the following plant species or injury may occur:

Begonia spp. (begonia)

Coleus hybridus (coleus)

Deutzia gracilis (slender deutzia)

Pseudotsuga menziesii (Douglas-fir)

Thuja occidentalis 'Techny' (Techny arborvitae)

Tsuga canadensis (eastern hemlock)

Ice Plant: When establishing unrooted ice plant (*Mesembryanthemum crystallinum* and *Carpobrotus edulis*) on coarse soils, do not exceed the 200 lbs./acre rate of Surflan XL 2G or crop injury may occur. After the ice plant is well established, a second application may be made.

Unlisted plant species: Users who wish to use Surflan XL 2G on plant species not recommended on the label may determine the suitability for such uses by treating a small number of such plants at a recommended rate. Prior to treatment of larger areas, the treated plants should be observed for any sign of herbicidal injury during 30 to 60 days of normal growing conditions to determine if the treatment is non-injurious to the target plant species. The user assumes responsibility for any plant damage or other liability resulting from use of Surflan XL 2G on plant species not recommended on the label.

## Limitations, Restrictions, and Exceptions

### Ornamental Bulbs

#### Special Use Precautions

Do not apply to tulip plants that have emerged to a height greater than 3/4 inch. Deep till prior to planting any crop after this use.

Do not apply to gladioli prior to emergence or to plants less than one inch in diameter.

#### Application Rates, Frequency, and Timing of Applications

Surflan XL 2G may be applied for annual weed control in ornamental bulbs such as bulbous iris, daffodil (narcissus), hyacinth, and tulip. Apply Surflan XL 2G to the soil surface two (2) to four (4) weeks after planting and final hilling but prior to the emergence of annual weeds. Surflan XL 2G may also be applied following bulb emergence. For fall-planted bulbs, apply Surflan XL 2G again in late winter or early spring to weed-free soil surfaces.

Minimum Time Between Applications (months): 3

#### Method

##### [Broadcast](#)

##### Rates

##### [field\\_rates 0](#)

##### [field\\_rates 1](#)

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#### Restricted Entry Interval

24 hours

Exception: If the product is soil-injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

Soils

[Medium](#)

[Fine](#)

Timings

[Preemergence \(Weed\)](#)

[fall](#)