



# Specimen Label

## Cutless® QuickStop

For growth management and terminal growth suppression of landscape hedges, ornamental shrubs, perennial ground covers and herbaceous perennials.

Only use in landscape hedges and ornamental shrubs in California.

### Active Ingredient

Flurprimidol: $\alpha$ -(1-methylethyl)- $\alpha$ -[4-(trifluoromethoxy)phenyl]-5-pyrimidinemethanol	16.0%
Other Ingredients .....	<u>84.0%</u>
<b>TOTAL</b> .....	<b>100.0%</b>

Contains 1.3 pounds active ingredient per gallon of product.

### Keep Out of Reach of Children

## WARNING / AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

### FIRST AID

If in eyes	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
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### HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. In case of emergency endangering health or the environment involving this product, call **INFOTRAC at 1-800-535-5053**.

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

**Warning.** Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

#### Personal Protective Equipment (PPE)

**Applicators and other handlers must wear:**

- Protective eyewear;
- Long-sleeved shirt and long pants; and
- Shoes plus socks.

#### User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** reuse them.

## **User Safety Recommendations**

### **Users should:**

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## **Environmental Hazards**

**DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark. **DO NOT** contaminate water when cleaning equipment or disposing of equipment water or rinsate.

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## **DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read all directions for use carefully before applying this product. Use only according to label directions.

## **POLLINATOR ADVISORY STATEMENT**

Protect forage and habitat of pollinators including the monarch butterfly (and its larvae), birds, and bats by following label directions, and making only directed applications.

## **INFORMATION FOR GROWTH MANAGEMENT AND TERMINAL GROWTH SUPPRESSION OF LANDSCAPE HEDGES, ORNAMENTAL SHRUBS, PERENNIAL GROUND COVERS AND HERBACEOUS PERENNIALS.**

Cutless QuickStop is a systemic landscape plant growth regulator which suppresses terminal growth in established woody ornamental plants and perennial ground covers. Treated plants require less trimming and exhibit a more compact growth form. Growth suppression is achieved by suppression of gibberellic acid biosynthesis resulting in reduced internode elongation in terminal shoot growth. Smaller leaves and intensified greening occur in some species.

Cutless QuickStop is absorbed by the leaves and through root uptake from soil. Movement in plants occurs in response to transpiration water loss. The onset of growth regulation following applications depends on the rate of water loss from foliage and the rate of water movement through woody stems. Duration of growth suppression will vary depending upon plant species treated, rate, and trimming schedule.

## **Benefits to Established Perennial Landscape Ornamentals**

- Shoot growth suppression of landscape ornamentals resulting in decreased pruning frequency.
- Darker green foliage.
- Increased plant density or compact growth habit.
- Improved water use efficiency resulting in pre-drought stress conditioning.
- Potential for enhanced flowering in some plant species.

## **Use Restrictions**

- Use only on vigorous, well-established plantings.
- **DO NOT** use on plants from which fruits, nuts or other commodities may be produced for human consumption or livestock feed.
- **DO NOT** apply to annual bedding plants or areas intended for annual bedding plants within 6 months of application.
- **DO NOT** allow runoff to occur during initial irrigation of treated areas.
- **DO NOT** apply through any type of chemigation system.

- **DO NOT** apply to plants that are stressed or rapidly declining due to moisture, temperature, low soil fertility, or exhibit mechanical, pest, or chemical injury.
- **DO NOT** apply by aerial application.
- **DO NOT exceed 148 fl oz per acre in a single application (1.5 lbs ai per acre).**
- **DO NOT exceed 296 fl oz per acre per year (3 lbs ai per acre).**

## Application Directions

### Mixing Directions

Add the correct amount of Cutless QuickStop to a spray tank half filled with clean water. If a backpack or other hand-held compression sprayer is used, shake the spray tank to ensure thorough mixing. Finish filling the spray tank to the desired volume. During application, shake the spray tank every few minutes while applying to maintain a uniform spray mixture. If power equipment is used, agitate continuously.

### Application Timing

Apply Cutless QuickStop as needed for shoot growth suppression of landscape hedges, ornamental shrubs, perennial ground covers and herbaceous perennials. For best results apply immediately after trimming. Apply as needed for shoot growth suppression of ornamental plantings. Avoid trimming following each application. Removal of plant material between applications will reduce the amount of Cutless QuickStop in the plant and can reduce growth regulation.

### Reapplication

To avoid over-application of Cutless QuickStop, make repeat applications only after plants begin to come out of growth regulation. Reapply only when growth regulation begins to decline from a desired level.

## Application Rates – Ornamental Shrubs and Hedges, Perennial Ground Covers, and Herbaceous Perennials

The amount of Cutless QuickStop needed for an optimum growth regulation response is dependent upon the height and mass of stems, foliage volume, sunlight exposure, soil texture, rainfall and temperature conditions, and species tolerance. Cultural practices including frequency of irrigation, fertilization and timing of application may also affect the response to treatment. Because of these factors, plant response to a given application rate of this product may vary according to local conditions. Establish specific application rates for different species in small scale treatments under local field conditions prior to large-scale applications to ensure the desired level of growth regulation. Refer to Table 1, *Rates for Established Ornamental Shrubs and Hedges, Perennial Ground Covers and Herbaceous Perennials* and Table 2 *Rates for Soil-directed Applications to Established Ornamental Shrubs and Hedges, Perennial Ground Covers and Herbaceous Perennials* for application rates.

**Table 1**

<b>Rates for Established Ornamental Shrubs and Hedges, Perennial Ground Covers and Herbaceous Perennials</b>	
<b>Landscape Ornamental †</b>	<b>Cutless QuickStop fl oz/gal of spray solution</b>
Herbaceous Perennials; Perennial Ground Covers; Shrubs and Hedges	0.5 to 10.0

† Apply thoroughly and uniformly over plant foliage and stems to the point of but prior to the spray solution excessively dripping from the plant.

## Application

Apply Cutless QuickStop spray uniformly over the treatment area. Use low pressure and coarse spray to prevent drift to non-target plants. Sprays may be applied over the top of low growing woody plants and perennial ground covers or directed at the soil beneath. For some species, distributing the spray solution as both a foliar and soil application will provide best results.

Before using Cutless QuickStop, the user must test the product and its representative use on a sample of landscape plants to be treated to ensure satisfactory plant response.

## Foliar Applications

Cutless QuickStop can be applied to the leaves and stems of ornamental plants to reduce growth. Foliar applications often lead to a more rapid plant response. Apply Cutless QuickStop thoroughly and uniformly over plant foliage and stems. For the best results, apply to the point of but prior to the spray solution excessively dripping from the plant. Applying a light mist over the foliage is not advised and may lead to variable regulation.

## Soil Applications

[Not for use in California.] Cutless QuickStop can be applied directly to the soil surface. Apply Cutless QuickStop thoroughly and uniformly to the soil surface beneath landscape ornamentals until the soil is moist. Avoid saturating the soil with solution and solution runoff from the target treatment area.

**Note:** Non-target plants with roots which extend into soil containing Cutless QuickStop may exhibit growth regulation. **Antidote:** Gibberellin may be applied as an antidote to stimulate terminal shoot growth of over-regulated plants.

## Spray Drift Management

Applications must be made only when there is no hazard for spray drift. Very small quantities of spray, which may not be visible, may seriously injure susceptible plants. Applicators are required to use a medium or coarser droplet size (according to ASABE standard 572). **When using ground application equipment, apply with nozzle height no more than 2 feet above the target plants. DO NOT apply when wind speeds exceed 10 miles per hour at the application site. DO NOT apply during temperature inversions.**

## SPRAY DRIFT ADVISORIES

The interaction of many equipment and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making application decisions.

## Importance of Droplet Size

An effective way to reduce spray drift is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly or under unfavorable environmental conditions. See Wind, Temperature, and Humidity, and Temperature Inversions sections of this label.

## Techniques for Controlling Droplet Size – Ground Boom

- Volume - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- Pressure - Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration. When higher flow rates are needed, use a higher-capacity nozzle instead of increasing pressure.

- Nozzle Type - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles.

### **Boom Height**

Setting the boom at the lowest referenced height (if specified) which provides uniform coverage reduces the exposure of droplets to evaporation and wind. For ground equipment, the boom should remain level with the crop and have minimal bounce.

### **Wind**

Drift potential increases at wind speeds of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given wind speed. Avoid applications during gusty or windless conditions. Note: Local terrain can influence wind patterns. Every applicator must be familiar with local wind patterns and how they affect spray drift.

### **Temperature and Humidity**

When making applications in hot and dry conditions, set up equipment to produce larger droplets to reduce effects of evaporation.

### **Temperature Inversions**

Drift potential is high during a temperature inversion. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

### **Shielded Sprayers**

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are preventing drift and not interfering with uniform deposition of the product.

### **RUNOFF PREVENTION**

To protect the environment, **DO NOT** allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when excessive rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

## **STORAGE AND DISPOSAL**

**DO NOT** contaminate water, food, or feed by storage or disposal.

**Storage:** Store in original container only. In case of leak or spill, contain material and dispose as waste.

**Pesticide Disposal:** Wastes resulting from use of this product may be used on site according to use directions or disposed of at an approved waste disposal facility.

### **Container Handling**

**Non-refillable Container. DO NOT reuse or refill this container.** Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

**Triple rinse containers small enough to shake (capacity  $\leq$  5 gallons) 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  $\frac{1}{4}$  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.

**Triple rinse containers too large to shake (capacity  $>$  5 gallons) as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container  $\frac{1}{4}$  full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Repeat this procedure two more times.

**Pressure rinse as follows:** Empty the remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**Warranty Disclaimer:** SePRO Corporation warrants that this product conforms to the chemical description on the product label. Testing and research have also determined that this product is reasonably fit for the uses described on the product label. To the extent consistent with applicable law, SePRO Corporation makes no other express or implied warranty of fitness or merchantability nor any other express or implied warranty and any such warranties are expressly disclaimed.

**Misuse:** Federal law prohibits the use of this product in a manner inconsistent with its label directions. To the extent consistent with applicable law, the buyer assumes responsibility for any adverse consequences if this product is not used according to its label directions. In no case shall SePRO Corporation be liable for any losses or damages resulting from the use, handling or application of this product in a manner inconsistent with its label.

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