

# Cutless® QuickStop

Landscape/Ornamental Growth Regulator



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

## Active Ingredient

Flurprimidol:  $\alpha$ -(1-methylethyl)- $\alpha$ -[4-(trifluoromethoxy)phenyl]-5-pyrimidinemethanol..... 16.0%

Other Ingredients..... 84.0%

**TOTAL**..... 100.0%

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.)

**Notice:** Read the entire label before using. Use only according to label directions. **Before buying or using this product, read *Warranty Disclaimer* and *Misuse* statements in label booklet. If terms are unacceptable, return at once, unopened.**

EPA Reg. No. 67690-51

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### FIRST AID

#### If in eyes

- Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call a poison control center or doctor for treatment advice.

### 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. Wear protective eyewear (goggles, face shield, or safety glasses). 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:

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

#### 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.

## 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. This product is absorbed through the leaves and by root interception from soil and is translocated to growing stems and leaves within water conducting tissues. Movement in plants occurs in response to transpiration water loss.

Time from application until onset of growth regulation depends on the rate of water loss from foliage and the rate of water movement through woody stems. Duration of growth suppression may range from 1 to 12 months, depending upon plant species treated.

The amount of Cutless QuickStop required for optimum growth regulation is dependent upon plant characteristics (stem mass, height and foliage volume), environmental setting (exposure to sunlight, temperature conditions, rainfall/irrigation and soil texture), and species tolerance. Because of these interacting factors, plant response to a given application rate of this product may vary according to local conditions. Users should establish specific applications (within the ranges specified in Table 1) for different species in small scale treatments under actual use conditions prior to large scale applications.

### 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 by aerial application

**Note:** Nontarget 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.

## APPLICATION DIRECTIONS

### Application Timing

Apply Cutless QuickStop as needed for shoot growth suppression of landscape hedges, ornamental shrubs, perennial ground covers and herbaceous perennials. Apply in conjunction with pruning or trimming of target species. For best results, shape or prune plants 1 to 5 days before application. Frequent trimming and loss of leaves encourages more rapid dissipation of growth regulator effects in treated plants.

### Reapplication

To avoid over-application of Cutless QuickStop, make repeat applications only after growth regulation from the prior treatment has expired. Reapply only when growth regulation begins to decline from a desired level. Apply repeat treatments every 1 to 12 months.

## Application Rates – Ornamental Shrubs, 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 woody 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 actual use conditions. Refer to Table 1, *Rate Directions for Established Ornamental Shrubs, Perennial Ground Covers and Herbaceous Perennials*, for rate directions.

**For spot treatment applications to landscape ornamentals contained in beds less than one acre (43,560 ft<sup>2</sup>), DO NOT exceed 3 lbs ai/A/year or 295 fl oz/A/year over the entire acre containing the spot treatments.**

TABLE 1	
Rate Directions for Established Ornamental Shrubs and Hedges, Perennial Ground Covers and Herbaceous Perennials	
Landscape Ornamental	Cutless QuickStop Fl. oz./1,000 ft <sup>2</sup> (lb. a.i./1,000 ft <sup>2</sup> )
Perennial Non-Woody Ground Covers and Herbaceous Perennials	1.3 (0.013)
	2.25 (0.023)
Shrubs and Hedges††, and Perennial Woody Ground Covers	2.25 (0.023)
	3.40 (0.035)
	4.50† (0.046)
	5.65† (0.057)
	6.78† (0.069)

† Rates designated for spot treatments only to landscape ornamentals less than 20,000 ft<sup>2</sup> over the entire acre containing the spot treatments. For spot treatments **DO NOT** apply to areas greater than 20,000 ft<sup>2</sup>.

†† Rates designated for spot treatment to individual plants, **DO NOT** apply more than 0.5 fl. oz. product/plant in water (35:1 water:Cutless QuickStop), to more than 590 plants per acre.

## Mixing and Application

Add the correct product volume and mix thoroughly. If backpack equipment is used, shake the spray tank to ensure thorough mixing and repeat every few minutes while applying to maintain a uniform spray mixture. If power equipment is used, agitate continuously.

Apply Cutless QuickStop spray uniformly over the treatment area. Use low pressure and coarse spray to prevent drift to nontarget plants. Sprays may be applied over the top of low growing woody plants and perennial ground covers or directed at the soil beneath shrubs or hedges.

## Foliar Applications

Cutless QuickStop can be applied to the leaves and stems of ornamental plants to reduce growth. Foliar applications provide the same benefits of root-absorbed applications, but often exhibit a more rapid response. For best results apply less than 5 days after trimming or prior to reaching desired plant size. Trimming after applications have been made will reduce the amount of product in the plant and can reduce growth regulation.

Apply Cutless QuickStop thoroughly and uniformly over plant foliage and stems to the point of but prior to solution dripping from the plant.

## 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 ≤ 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 ¼ 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.

**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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