



# Cutless® 0.33G

## Landscape/Ornamental Growth Regulator

A systemic plant growth regulator for shoot growth suppression and quality enhancement of perennial landscape and container grown ornamental plants.

### Active Ingredient

Flurprimidol: a-(1-methylethyl)-a-[4-(trifluoromethoxy)-phenyl]-5-pyrimidinemethanol ..... 0.33%

Other Ingredients ..... 99.67%

TOTAL ..... 100.00%

Contains 0.0033 pound active ingredient per one (1) U.S. pound of product.

### Keep Out of Reach of Children

## CAUTION / PRECAUCIÓN

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.)

<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If in eyes</b>	<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 eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 - 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>HOTLINE NUMBER</b>	
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 <b>INFOTRAC</b> at <b>1-800-535-5053</b> .	

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## PRECAUTIONARY STATEMENTS

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### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**Caution.** Harmful if swallowed, inhaled or absorbed through the skin. Causes moderate eye irritation. Avoid breathing dust or spray mist and contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

##### Applicators and other handlers **must** wear:

- Long-sleeved shirt and long pants;
- Shoes plus socks; and
- Chemical-resistant gloves (such as natural rubber or barrier laminate).

##### User Safety Requirements

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

#### 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 water mark. Do not contaminate water when disposing of rinsate or washwater.

##### Ground Water Advisory

This pesticide has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

##### Surface Water Advisory

This product is classified as having potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs, will reduce the potential loading of flurprimidol from runoff and sediment.

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## DIRECTIONS FOR USE

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

### 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 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.

### PRODUCT INFORMATION

Cutless 0.33G 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 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.

#### 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.
- Enhanced flowering in some plant species.

#### Use Restrictions

- **DO NOT** use on plants from which fruits, nuts or other commodities may be produced for human consumption.
- **DO NOT** apply to annual bedding plants or areas intended for annual bedding plants within 6 months of application.
- The maximum number of annual applications is determined by the sum of the rates applied not to exceed 3.0 lbs ai/A/year or 909 lbs/A/year of Cutless 0.33G (1-6 applications/year over a contiguous acre).
- **DO NOT** apply by aerial application

#### Use Precautions

- Use only on plantings that are well-established and in good health.
- Not suitable for treatment of ornamental trees in landscapes.
- For plants not listed, the user should perform small trials to better target use rates.
- Avoid application when weather or irrigation conditions favor movement of granules from target area.

**NOTE:** Non-target plants with roots which extend into treated areas may exhibit growth regulation.

**Antidote:** Gibberellic acid may be applied as an antidote to stimulate terminal shootgrowth of over regulated plants.

### **Application Rate Recommendations**

The amount of Cutless 0.33G required for an optimum growth regulation response is dependent upon the height and mass of woody stems, foliage volume, container/pot size, sunlight exposure, soil texture, rainfall and temperature conditions, and species tolerance. Cultural practices such as frequency of irrigation, potting media, fertilization, temperature, light conditions and timing of application may also affect the response to treatment. Because of these factors, plant response to a given application rate may vary according to local conditions. Users should establish specific application rates for different species in small scale treatments under actual use conditions.

### **INFORMATION FOR GROWTH REGULATION OF ESTABLISHED PERENNIAL LANDSCAPE ORNAMENTALS**

Time required for onset of growth suppression may vary from 2 to 8 weeks, for herbaceous and woody species, respectively, depending on the rate of foliage water loss and mass and height of woody stems. Duration of growth suppression ranges from 2 to 6 months, depending upon plant species, environmental factors, and soil type. Frequent trimming and seasonal loss of leaves encourage more rapid dissipation of growth regulator effects in treated plants. In general, growth suppression will be of longer duration in species with larger mass of woody tissue. Cutless 0.33G may not be effective on certain conifers or other species which contain high concentrations of oils, resins and latex materials in plant tissues.

### **Application Directions**

Apply Cutless 0.33G uniformly over the treatment area with a rotary-type, gravity-fed, or airflow driven spreader. Product may be applied over the top of low-growing woody plants and perennial ground covers. For larger plantings apply uniformly under the dripline. Apply when rainfall is expected within a few days or irrigate sufficiently to move product into the root zone. Avoid runoff and possible product movement during the initial irrigation after application.

Periodic rainfall or irrigation is needed to maintain uniform growth regulation activity. Avoid irrigation in excess of plant growth requirements.

### **Application Timing**

Apply as needed for shoot growth suppression of landscape ornamentals. Apply in conjunction with pruning or trimming of landscape ornamentals. For best results, apply and water in product one to two weeks prior to trimming or pruning plants. For extremely aggressive and vigorous landscape ornamentals, apply and water in product 5 to 7 days prior to trimming or pruning plants. Frequent trimming and loss of leaves encourages more rapid dissipation of growth regulator effects in treated plants. Apply repeat treatments every 2 to 6 months.

**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 909 lbs. product/A/year over the entire acre containing the spot treatments.**

TABLE 1		
Rates for Established Perennial Landscape Ornamentals		
Landscape Ornamental <sup>†</sup>	Cutless 0.33G <sup>†</sup>	
	lbs./1,000 ft <sup>2</sup> (lbs. a.i./1,000 ft <sup>2</sup> )	oz/100 ft <sup>2</sup> (lbs. a.i./100 ft <sup>2</sup> )
Perennial Non-woody Ground Covers and Herbaceous Landscape Ornamentals	3.5 (0.012)	5.6 (0.0012)
	7.0 (0.023)	11.1 (0.0023)
Perennial Woody Ground Covers and Woody Ornamental Shrubs and Hedges	7.0 (0.023)	11.1 (0.0023)
	10.4 (0.034)	16.8 (0.0034)
	13.9 <sup>††</sup> (0.046)	22.3 <sup>††</sup> (0.0046)
	17.4 <sup>††</sup> (0.057)	27.8 <sup>††</sup> (0.0057)
	20.9 <sup>††</sup> (0.069)	33.4 <sup>††</sup> (0.0069)

<sup>†</sup> For single applications, do not apply more than 1.5 lbs ai (454 lbs product) per contiguous acre. The maximum number of annual applications is determined by the sum of the rates applied not to exceed 3.0 lbs ai (909 lbs Cutless 0.33G) per contiguous acre per year (1-6 applications/year).

<sup>††</sup> **Note:** These rates exceed the maximum labeled rates unless applied to less than an acre. To avoid exceeding the maximum labeled rates (1.5 lbs ai/A; 3 lbs ai/A/yr), apply as a spot treatment within a contiguous acre and use lower rates for sequential applications.

**INFORMATION FOR GROWTH REGULATION OF CONTAINER ORNAMENTALS**

Cutless 0.33G is effective in controlling the height of most ornamental crops. The use and rate directions for the species that follow should be a starting point in determining the best rate for your specific cultural and environmental growing conditions. Before Cutless 0.33G is applied to a large number of plants, read and understand this section.

**NOTICE TO USER:** Plant tolerance to Cutless 0.33G has been found to be acceptable in research trials for the general plant species listed on this label. However, due to the large number of species of ornamental and nursery plants and their associated varieties and cultivars and due to variable growing conditions, it is impossible to test every plant and variety or cultivar for tolerance to Cutless 0.33G. Prior to wide-scale use, conduct small-scale tests under local growing conditions using the general guideline rates listed below. For species and their varieties or cultivars not specifically listed on the label, the user assumes all risk from phytotoxicity or unacceptable growth effects.

**Application Directions**

Method of Application

Applications should be made topically to container grown ornamental plants. Apply to individual pots with hand held delivery devices calibrated to deliver a known amount of product.

**Application Timing**

Cutless 0.33G can be applied at any stage of the growth and development of container grown ornamental plants. For woody ornamentals, best results are found when applications are made at the onset of spring greenup when the plants are shaped and pruned to the desired size.

If multiple applications are made, the plant should be shaped and pruned again prior to sequential Cutless® 0.33G EPA Reg. No. 67690-13

applications.

On all plants, Cutless 0.33G applications should be moderately watered in to move the active ingredient into the root zone where it can be absorbed by the plant and translocated to the growing points. Avoid leaching and runout following application.

### Topical Applications

Apply to individual pots for height control of container ornamentals. Follow rate directions in Table 2 to target rates of product per pot.

TABLE 2			
Rates for Topical Application to Container Ornamentals			
Ornamentals	Container Size (inches in diameter)	Grams / Pot	Maximum gram / pot/year
<b>Perennial Non-woody Ground Covers and Herbaceous Landscape Ornamentals</b> Examples include: <i>Acalypha</i> ; <i>Arbutifolius</i> ; <i>Buddleia</i> ; <i>Coreopsis</i> ; <i>Fuchsia</i> ; <i>Lantana</i> ; <i>Lobelia</i> ; <i>Jasmine</i> ; <i>Pachystachys</i> ; <i>Phlox</i> ; <i>Plumbago</i> ; <i>Scabiosa</i> ; <i>Sage, Mexican</i> ; <i>Sage, Russian</i> ; <i>Verbena</i> ; <i>Veronica</i>	6	0.1 - 0.3	2.3
	8	0.15 – 0.7	4.2
	10	0.5 – 1.8	6.6
	12	0.7 – 2.8	9.4
	4	0.1 - 0.3	1.0
<b>Perennial Woody Ground Covers and Woody Ornamental Shrubs and Hedges</b> Examples include: <i>Abelia</i> ; <i>Azalea</i> ; <i>Bougainvillea</i> ; <i>Cotoneaster</i> ; <i>Dipladenia</i> ; <i>Euonymus</i> ; <i>Holly</i> ; <i>Honeysuckle</i> ; <i>Hydrangea</i> ; <i>Ligustrum</i> ; <i>Ninebark</i> ; <i>Photinia</i> ; <i>Rhododendron</i> ; <i>Rose</i> ; <i>Weigela</i>	6	0.3 – 0.6	2.3
	8	0.7 – 1.4	4.2
	10	1.8 – 3.3	6.6
	12	2.9 – 4.7	9.4

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

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

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

### Container Handling

**Nonrefillable Container Disposal (rigid, any size):** Do not reuse or refill this container. Triple rinse (or equivalent). Then offer for recycling (if available) or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration.

**Nonrefillable Container Disposal (non-rigid, any size):** Do not reuse or refill this container. Completely empty bag into application equipment. Offer for recycling if available. If recycling not available, then dispose of empty bag in a sanitary landfill or by incineration.

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