

## **TOPICAL APPLICATION TO CONTAINER ORNAMENTALS - 6 CONTAINER SIZE (INCHES IN DIAMETER)**

General Information

### **DIRECTIONS FOR USE**

Use Information for Growth Regulation of Established Perennial Landscape  
Ornamentals

Cutless 0.33G is a systemic landscape 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 0.33G is absorbed by root interception from soil and is translocated to growing stems and leaves within water conducting tissues. Movement of Cutless 0.33G in plants occurs in response to transpiration water loss.

NOTE: Non-target plants with roots which extend into Cutless 0.33G treated areas may exhibit growth regulation. Antidote: Gibberellic acid may be applied as an antidote to stimulate terminal shoot growth of over regulated plants.

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.

Benefits of Cutless 0.33G Applications 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 Precautions for Applications to Established Perennial Landscape Ornamentals

- Not for use by homeowners.
- Use Cutless 0.33G only on plantings that are well-established and in vigorous growth condition.
- Cutless 0.33G is not suitable for treatment of ornamental trees.
- Do not use Cutless 0.33G 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 of Cutless 0.33G.
- For plants not listed, the user should perform small trials to better target use rates.
- Avoid application when weather conditions favor movement of granules from target area.
- For single applications, do not apply more than 1.5 lbs ai/A or 454 lbs/A of Cutless 0.33G. Total annual applications may not exceed more than 3.0 lbs ai/A/year or 909 lbs/A/year of Cutless 0.33G.

#### Application

Apply Cutless 0.33G uniformly over the treatment area with a rotary-type, gravity-fed, or airflow driven spreader. Cutless 0.33G may be applied over the top of low-growing woody plants and perennial ground covers. For larger plantings Cutless 0.33G should be applied uniformly under the dripline. Apply when rainfall is

expected within a few days or apply a minimum of 0.5 inch of sprinkler irrigation to move Cutless 0.33G 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 Cutless 0.33G as needed for shoot growth suppression of landscape ornamentals. Apply Cutless 0.33G in conjunction with pruning or trimming of landscape ornamentals. For best results, shape or prune plants on the day of Cutless 0.33G application or 1 to 5 days before or after application. For extremely aggressive and vigorous landscape ornamentals, pruning or shaping should occur 5 to 7 days following application. 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.

### Application Rates

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, sunlight exposure, soil texture, rainfall and temperature conditions, and species tolerance. Cultural practices such as frequency of irrigation, fertilization and timing of application may also affect the response to Cutless 0.33G treatment. Because of these factors, plant response to a given application rate of Cutless 0.33G may vary according to local conditions. Users should establish specific application rates for different species in small scale treatments under actual use conditions.

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/A/year over the entire acre containing the spot treatments.

### Determining the Amount of Cutless 0.33G Required

Determine the area to be treated in acres, thousands (1000's) of square feet or hundreds (100's) of square feet. Choose an application rate appropriate for the type of vegetation to be treated and desired level of growth suppression. To determine the amount of Cutless 0.33G required, multiply the area to be treated (in acres, 100's or 1000's of square feet) times the required amount Cutless 0.33G per unit

area (see Table 1, Cutless 0.33G Directions for Established Perennial Landscape Ornamentals) which corresponds to the desired rate.

#### Use Information for Growth Regulation of Container Ornamentals

Cutless 0.33G contains the active ingredient flurprimidol, which effectively reduces internode elongation through the inhibition of gibberellin biosynthesis, resulting in a more desirable compact ornamental plant. Cutless 0.33G has been shown to increase the quality of plants even in the absence of growth reduction. Some of these desirable qualities include darker leaf color, higher chlorophyll content, greater leaf thickness, stronger stems, and decreased water loss. When used as directed, Cutless 0.33G produces no phytotoxic effects.

**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 the 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. The Manufacturer has not determined whether Cutless 0.33G can be used safely on all ornamental plants. Whereas Cutless 0.33G has been shown to be safe and effective in a limited number of research trials on certain varieties or cultivars of the plant types listed, the professional user should determine if Cutless 0.33G can be used safely prior to commercial use. Prior to wide-scale use, users should 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.

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 the section titled Application Rates.

#### Use Directions

Cutless 0.33G is a systemic growth regulator for woody ornamental plants grown in containers. Do not use Cutless 0.33G on herbaceous or nonwoody plants grown in containers.

## Use Precautions for Container Grown Ornamentals

- Cutless 0.33G is not suitable for treatment of ornamental trees.
- Do not use Cutless 0.33G 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 of Cutless 0.33G.
- For plants not listed, the user should perform small trials to better target use rates.
- Avoid application when weather conditions favor movement of granules from target area.
- For single applications, do not apply more than 1.5 lbs ai/A or 454 lbs/A of Cutless 0.33G. Total annual applications may not exceed more than 3.0 lbs ai/A/year or 909 lbs/A/year of Cutless 0.33G.

## Method of Application

Cutless 0.33G should be made 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 required, the plant should be shaped and pruned again prior to sequential 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 and translocated by the plant. Avoid leaching and runoff following application of Cutless 0.33G.

## Application Rates

The amount of Cutless 0.33G required for an optimum growth response depends upon several factors: desired height, duration of growth response and degree of control, pot size, stage of growth, method of application, season and cultivar

response. Species-specific cultural practices such as watering, potting media, fertilization, temperature and light conditions also affect the growth response to a given dosage. Therefore, growers should establish specific application rates based on small-scale treatments under actual use conditions and keep records as to plant species and cultivar sensitivity before Cutless 0.33G is applied to a large number of plants.

## Topical Applications

Apply Cutless 0.33G as a topical application to individual pots for height control of container ornamentals.

## Limitations, Restrictions, and Exceptions

### Topical Application to Container Ornamentals

#### Note

Maximum gram / pot / year - Notice to Users: The amount of Cutless 0.33G required for 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. The user should evaluate Cutless 0.33G on a small area prior to large scale applications to target plants.

#### Method

#### [Spray](#)

#### Rates

#### [field rates 0](#)

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#### Timings

[At any stage of the growth and development of container grown ornamental plants.](#)