FDDG2938

Cutless* 0.33G

Landscape/Ornamental Growth Regulator

Department of Agriculture
STATE OF HAWAII
LICENSED
PERIOD 2014-2016 LIC. NO. 9985.58

Department of Agriculture
STATE OF HAWAII
LICENSED
PERIOD 2011-2013 LIC. NO.

SePRO

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

Active Ingredient

Flurprimidol: α-(1-methylethyl)-α-[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.

Precautionary Statements

Hazards to Humans and Domestic Animals

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.)

Notice: Read the entire label before using. Use only according to label directions. **Before buying or using this product, read *Terms and Conditions of Use, Warranty Disclaimer, Inherent Risks of Use* and *Limitation of Remedies* at the end of the label. If terms are unacceptable, return at once unopened.**

Specialty Chemical: Do not ship or store with food, feeds, drugs or clothing.

Harmful if swallowed, inhaled or absorbed through the skin. Causes eye irritation. Avoid breathing dust or spray mist and contact with eyes, skin or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category A on an EPA chemical resistance category selection chart.

It is recommended that applicators and other handlers wear:
- Long-sleeved shirt and long pants;
- Shoes plus socks; and
- Chemical-resistant gloves (such as natural rubber or barrier laminate).

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:
- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- 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.

FIRST AID	
If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
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 eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 - 20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
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**.	

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 rinseate 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.

DIRECTIONS FOR USE

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.

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. Refer to ***Table 1, Cutless 0.33G Rate Directions for Established Perennial Landscape Ornamentals***, for rate directions for established perennial landscape ornamentals.

For spot treatment applications to landscape ornamentals contained in beds less than one acre (43,560 ft²), 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.

Example: If the area to be treated is 450 ft² (4.5 100's of square feet), and the desired application rate is 7 lbs/1,000 ft² (1.0 lb a.i./A); multiply 4.5 X 11.2 oz./100 ft² = 50.4 oz or 3.15 pounds.

TABLE 1 Cutless 0.33G Rate Directions for Established Perennial Landscape Ornamentals

Landscape Ornamental[1]	Cutless 0.33G (lbs/1,000 ft²)	Cutless 0.33G (lbs/100 ft²)
Perennial Non-woody Ground Covers and Herbaceous Landscape Ornamentals	3.5	5.6
	7.0	11.1
Perennial Woody Ground Covers and Woody Ornamental Shrubs and Hedges	7.0	11.1
	10.4	16.8
	13.9[2]	22.3[2]
	17.4[2]	27.8[2]
	20.9[2]	33.4[2]

1 **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 landscape ornamentals.

2 Rates designated for spot treatments only to dripline areas of landscape ornamentals less than 20,000 ft² over the entire acre containing the spot treatments. For spot treatments do not apply to areas greater than 20,000 ft².

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 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. 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 non-woody 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 runout 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. Follow rate directions in Table 2 to target rates of product per pot.

TABLE 2 Cutless 0.33G Rate Directions for Topical Application to Container Ornamentals

Ornamentals	Container Size (inches in diameter)	Grams / Pot	Maximum Gram / pot / year[1]
Perennial Woody Ground Covers and Woody Ornamental Shrubs and Hedges **Examples include:** *Abelia; Azalea; Bougainvillea; Cotoneaster; Dipladenia; Euonymus; Holly; Honeysuckle; Hydrangea; Ligustrum; Ninebark; Photinia; Rhododendron; Rose; Weigela*	4	0.1 - 0.3	1.0
	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

1 **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.

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.
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, or if allowed by State and Local authorities, by burning. If burned, stay out of smoke.
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, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

TERMS AND CONDITIONS OF USE

If terms of the following *Warranty Disclaimer, Inherent Risks of Use* and *Limitation of Remedies* are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, to the extent consistent with applicable law, use by the buyer or any other user constitutes acceptance of the terms under *Warranty Disclaimer, Inherent Risks of Use,* and *Limitation of Remedies*.

WARRANTY DISCLAIMER

SePRO Corporation warrants that the product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, SEPRO CORPORATION MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

INHERENT RISKS OF USE

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of SePRO Corporation or the seller. To the extent consistent with applicable law, all such risks shall be assumed by buyer.

LIMITATION OF REMEDIES

To the extent consistent with applicable law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories) shall be limited to, at SePRO Corporation's election, one of the following:
(1) Refund of purchase price paid by buyer or user for product bought, or
(2) Replacement of amount of product used.

To the extent consistent with applicable law, SePRO Corporation shall not be liable for losses or damages resulting from handling or use of this product unless SePRO Corporation is promptly notified of such losses or damages in writing. In no case shall SePRO Corporation be liable for consequential or incidental damages or losses.

The terms of the *Warranty Disclaimer, Inherent Risks of Use* and this *Limitation of Remedies* cannot be varied by any written or verbal statements or agreements. No employee or sales agent of SePRO Corporation or the seller is authorized to vary or exceed the terms of the *Warranty Disclaimer* or this *Limitation of Remedies* in any manner.

*Trademark of SePRO Corporation.
SePRO Corporation 11550 North Meridian Street
Suite 600
Carmel, IN 46032 U.S.A.

EPA Reg. No. 67690-13
EPA Est. No. 067690-NC-002
FPL021810
SPC - 37703805

8 11055 01012 4

Landscape/Ornamental Growth Regulator

Net contents 40 pounds