

PM 22

62719-191

Tackat page 176



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

NOTICE OF PESTICIDE:
 X Registration
 Reregistration
(under FIFRA, as amended)

EPA Reg.
Number:

62719-
191

Date of Issuance:

SEP 23 1993

Term of Issuance:

Conditional

Name of Pesticide Product:

Cutless 0.33G

Name and Address of Registrant (include ZIP Code):

DowElanco
Quad IV 9002 Purdue Road
Indianapolis, IN 46268-1189

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Add the phrase "EPA Registration No. 62719-191" to your label before you release the product for shipment.
3. Submit one (1) copy of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.
4. Submit within 9 months from the date of this Notice of Registration a Dermal Sensitization Study conducted in accordance with Guideline Reference Number 81-6.

Signature of Approving Official:

151

Date:

9/23/93

page 2

EPA Reg. No. 62719-191

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Cynthia Giles-Parker
Product Manager (22)
Fungicide-Herbicide Branch
Registration Division (H7505C)

Enclosure

Jacket 3 of 6

(LOGO) DowElanco

Cutless* 0.33G**Plant Growth Regulator**

A systemic plant growth regulator for terminal growth suppression in woody ornamental plants and perennial ground covers, resulting in a more compact growth form and reduced trimming.

Active Ingredient:

flurprimidol: α -(1-methylethyl)- α -[4-(trifluoromethoxy)-phenyl]-5-pyrimidinemethanol.....

0.33%

Inert Ingredients.....

99.67%

Total.....

100.00%

Contains 0.066 pound of active ingredient per 20 pound pail.

Keep Out or Reach of Children**CAUTION**

See side panel for additional precautionary information.

Notice: Read the entire label before using. Use only according to label directions. Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" elsewhere on this label.

In case of emergency endangering health or the environment involving this product, call collect 517-636-4400

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

EPA Reg. No. 62719-XXX

EPA Est. XXXXX-XX-XX

*Trademark of DowElanco

DowElanco • Indianapolis, IN 46268, U.S.A.

Plant Growth Regulator**Net Weight 20 Pounds**

ACCEPTED
with COMMENTS
In EPA Letter Dated:

SEP 23 1993

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
reg. No. 62719-191

62719-191

Precautionary Statements

Hazards to Humans and Domestic Animals**Keep Out of Reach of Children****CAUTION****Causes Moderate Eye Irritation • Avoid Contact with Eyes or Clothing****Wash thoroughly with soap and water after handling.****First Aid**

If Swallowed: Do not induce vomiting. Call a physician for Poison Control Center. If available, administer activated charcoal (6-8 heaping teaspoonsful) with a large quantity of water. Do not give anything by mouth to an unconscious person. Immediately transport to a medical facility and see a physician.

If on Skin: Immediately wash with plenty of soap and water. Get medical attention if irritation develops.

If in eyes: Flush with plenty of water. Call a physician if irritation persists.

If Inhaled: Remove victim to fresh air. Get medical attention if breathing difficulty occurs.

Environmental Hazards

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

Direction for Use

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

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by 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 Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

General Information

CUTLESS 0.33 G is a systemic plant growth regulator which suppresses terminal growth in woody ornamental plants and perennial ground covers. Treated plants require less trimming and exhibit a more compact growth form. Growth suppression is achieved by inhibition of gibberellin biosynthesis resulting in reduced internode elongation in terminal shoot growth. Smaller leaves and intensified greening occur in some species. Cutless is absorbed by root interception from soil and is translocated to growing stems and leaves within water conducting tissues. Movement of Cutless in plants occurs in response to transpiration water loss.

Time required for onset of growth suppression may vary from 1 to 12 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 may range from one to three growing seasons. 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 may not be effective on certain conifers or other species which contain high concentrations of oils, resins and latex materials in plant tissues.

BEST AVAILABLE COPY

Activation: At least 1/2 inch of rainfall or sprinkler irrigation is required to move the active ingredient of Cutless 0.33G into the soil. 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.

General Use Precautions:

- Use Cutless 0.33 G only on plantings that are well-established and in vigorous growth condition.
- Cutless 0.33 G is not suitable for treatment of ornamental trees.
- Do not use Cutless on plants from which fruits, nuts or other commodities may be produced for human consumption.
- Do not apply to annual bedding plants.
- Avoid application when weather conditions favor movement of granules from target area.

Note: Nontarget plants with roots which extend into Cutless treated areas may exhibit growth regulation.

Antidote: Gibberellin may be applied as an antidote to stimulate terminal shoot growth of over regulated plants.

Use Directions

Application Rates:

The amount of Cutless 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 treatment. Because of these factors, plant response to a given application rate of Cutless may vary according to local conditions. Users should establish specific application rates for different species in small scale treatments under actual use conditions.

Starting application rates for Cutless treatments are as follows:

- Perennial non-woody ground covers - 75 to 150 pounds of product per acre (1.7 to 3.4 lb/1000 sq ft or 0.25 to 0.5 pounds per acre active ingredient).
- Woody ornamentals - 150 to 300 pounds of product per acre (3.4 to 6.9 lb/1000 sq ft or 0.5 to 1.0 pounds per acre active ingredient), depending on the mass of woody tissue present.

Determining the Amount of Cutless 0.33G Required:

Determine the area to be treated in acres, thousands (1000's) or 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 0.33 G required, multiply the area to be treated (in acres, 100's or 1000's of sq. ft.) times the required amount Cutless per unit area (see application rate table) which corresponds to the desired rate.

Example: If the area to be treated is 450 sq ft (4.5 100's of sq ft), and the desired application rate is 300 lb/A (1.0 lb/A a.i.); multiply 4.5 X 11 oz/100 sq ft = 50 oz

Cutless Application Rate Table:

- Cutless 0.33 G -			Active Ingredient (pounds/acre)
(pounds/acre)	(pounds/1000 sq ft)	(ounces/100 sq ft)	
75	1.7	2.75	0.25
150	3.4	5.5	0.5
225	5.2	8.25	0.75
300	6.9	11.0	1.0

Application:

Apply Cutless granules uniformly over the treatment area. Granules may be applied over the top of low-growing woody plants and perennial ground covers. Apply when rainfall is expected within a few days or apply a minimum of 0.5 inch of sprinkler irrigation to move Cutless into the root zone.

BEST AVAILABLE COPY

Periodic rainfall or irrigation is required to maintain uniform growth regulation activity. Avoid excessive irrigation.

WARRANTY DISCLAIMER

DowElanco warrants that this 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. DowElanco 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. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to the 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 DowElanco or the seller. All such risks shall be assumed by the buyer.

LIMITATION OF REMEDIES

The exclusive remedy for losses or damages resulting from the use of this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at DowElanco'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.

DowElanco shall not be liable for losses or damages resulting from handling or use of this product unless DowElanco is promptly notified of such loss or damage in writing. In no case shall DowElanco be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of DowElanco or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

revised 08-02-93

BEST AVAILABLE COPY