

DowElanco IDXXXX

**CUTLESS 10W
Plant Growth Regulator**

Net Weight 1 Pound

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

Active Ingredient:

flurprimidol: 4-(methylethyl)-4-[4-(trifluoromethoxy)-phenyl]-5-pyrimidinmethanol..... 10%

Inert Ingredients..... 90%

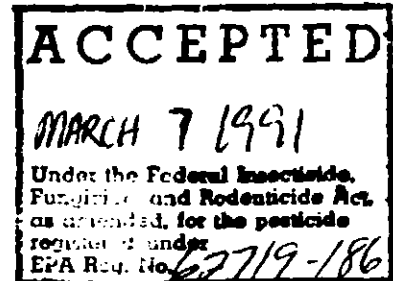
Contains 0.05 ounce (1.42 grams) active ingredient per 1/2 ounce water soluble packet.

CUTLESS(R) - (flurprimidol, DowElanco)

Keep Out of Reach of Children

CAUTION

PRECAUTIONARY STATEMENTS



Hazards to Humans and Domestic Animals

Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with skin, eyes or clothing. Avoid breathing dust or spray mist. Use eye protection and protective clothing such as coveralls, a long-sleeved shirt and impervious gloves when handling this product. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

First Aid

If Swallowed: Do not induce vomiting. Call a physician or Poison Control Center. If available, administer activated charcoal (8-8 heaping teaspoons) 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: Immediately flush eyes with plenty of water. Get medical attention if irritation develops.

If inhaled: If discomfort occurs, move individual to fresh air. Get medical attention if breathing difficulty occurs.

Environmental Hazards

Do not apply directly to water or wetlands. Do not contaminate water when disposing of equipment washwaters.

Direction for Use

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

See Attached Literature for Complete Direction for Use.

Read all directions for use before applying this product.

NOTE TO USER

Packets containing Cutless 10W are water soluble. Do not allow packet to become wet prior to use. Do not handle with wet hands. Reseal container to protect remaining packets.

STORAGE AND DISPOSAL

Storage: Store in original container only. In case of leak or spill, contain material with absorbent materials and dispose as waste.

Pesticide Disposal: Do not contaminate water, food or feed by disposal. Wastes resulting from use of this product may be disposed of on site or at any approved waste disposal facility.

Container Disposal: Dispose of overpack in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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EPA Est. No. XXXXXXXX
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GENERAL INFORMATION

CUTLESS 10W is a systemic plant growth regulator for use on shrubs, hedges 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. Plant uptake may occur from foliage or by root absorption. Cutless absorbed by plant roots is translocated to above-ground growing points within water conducting tissues. Cutless movement in plants occurs in response to evaporative water loss (transpiration) from leaf surfaces.

Time required for onset of growth suppression may vary from 1 to 2 weeks for herbaceous species up to an entire growing season for certain woody plants. 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. In general, growth suppression will be slower to appear and of longer duration in plants with a larger mass of woody tissue. Duration of growth suppression may range from 1 to 3 or more growing seasons. Cutless may not be effective on species with high concentrations of oils, resins or latex materials in stem tissues.

The amount of Cutless 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 Cutless may vary according to local conditions. Users should establish specific application rates for different species in small scale treatments under actual use conditions.

Activation of Cutless 10W requires at least 1/2 inch of rainfall or sprinkler irrigation. Periodic rainfall or irrigation is needed to maintain uniform growth regulation activity. Avoid irrigation in excess of plant requirements.

General Use Precautions:

- Use Cutless 10W only on vigorous, well-established plantings.
- Do not use Cutless 10W for treatment of trees.
- Do not use Cutless 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.
- Avoid application when weather conditions favor movement of spray drift from treatment area.
- Do not allow runoff to occur during initial irrigation of treated areas.

Note: Nontarget plants with roots which extend into soil containing Cutless may exhibit growth regulation.

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

CHEMIGATION: Do not apply this product through any type of chemigation system.

USE DIRECTIONS

Application Timing:

Apply to woody plants from 1 month before until 1 month after budbreak or onset of seasonal growth. If applied to deciduous woody plants after leaves are fully expanded, growth regulation may not be effective until the following year. Allow time for growth regulation effects to be fully expressed (up to 1 year) before making a follow-up application to any woody plant. Apply to herbaceous perennial ground covers from onset of seasonal growth until midseason. Growth regulation from applications made late in the growing season may not be effective until the following year.

Reapplication:

To avoid over-application, make repeat applications only after growth regulation from the initial treatment is fully expressed (up to 1 year is required in woody plants). Reapply Cutless only when growth regulation begins to decline from a desired level. Repeat application at a reduced rate may be sufficient to maintain a desired level of growth control.

Application Rates:

Starting rates for Cutless 10W treatments are as follows:

- Woody ornamentals - 2 to 4 ounces per 1000 sq. ft. (0.54 to 1.08 lb a.i./A), depending on the mass of woody tissue present.
- Perennial nonwoody ground covers - 1 to 2 ounces per 1000 sq. ft. (0.27 to 0.54 lb a.i./A).

Determining the Amount of Cutless 10W Required:

Choose the application rate (see starting rates above) required for the type of vegetation to be treated and desired level of growth suppression. Refer to Cutless Application Rate Table below to determine the number of Cutless water soluble packets required. Alternative methods for determining the number of packets required to treat an area at a given application rate are provided. Use the "Area-Based Method" if the area to be treated is less than 1000 sq. ft. or the "Packet-Based Method" if the area to be treated is greater than 1000 sq. ft.

Cutless Application Rate Table:

Application Rate (oz./1000 sq.ft.)	Area Per 0.5 oz. Packet at Specified Rate (sq. ft.)	Number of 0.5 oz. Packets Required Per 1000 sq. ft. at Specified Rate
1	500	2
2	250	4
3	168	6
4	125	8

Mixing and Application:

Apply Cutless in a spray volume of at least 0.5 gallon per 100 sq. ft. (1 gallon per 200 sq. ft.). Determine the amount of spray volume required. Add the correct number of water

soluble packets to the spray tank, allow the water soluble packets to dissolve completely and mix thoroughly. If backpack equipment is used, shake the spray tank to insure thorough mixing and repeat every few minutes while applying to maintain a uniform spray mixture. If power equipment is used, agitate continuously.

Apply Cutless 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.

Activation: More uniform and consistent results will be obtained if treated areas are irrigated with a minimum of 1/2 inch of overhead sprinkler irrigation within 24 hours of application (avoid runoff during initial irrigation).

Cleanup:

Traces of Cutless may be removed from application equipment with isopropyl (rubbing) alcohol. Thoroughly clean application equipment before use with other products to prevent growth regulation of nontarget vegetation.

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