

REVISED 6/7/89

Elanco ID 5985

CUTLESS® 50W

Turf Plant Growth Regulator

Four 8 ounce individually wrapped water soluble packets.

A plant growth regulator that improves the quality of cool and warm season turfgrasses.

Active Ingredient:

methylethyl	<u>flurprimidol: α-(1-methylethyl)-[4-(trifluoromethoxy)phenyl]-5-pyrimidinemethanol</u>	----- 50%
	Inert ingredients	----- 50%

Contains 1/2 pound active ingredient per pound.

CUTLESS® 50W (flurprimidol, Elanco)

ACCEPTED
with COMMENTS
in accordance with:

~~EPA Reg. No. 1471-KSC~~
EPA Est. No. 1471-XX-X

Registered under the FIFRA Act
while
registered under EPA Reg. No.
1471-171

EPA Reg. No. 1471-171

KEEP OUT OF REACH OF CHILDREN

CAUTION

See back panel for additional precautionary statements. 62719-155

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

KEEP OUT OF REACH OF CHILDREN

CAUTION

Harmful if swallowed or inhaled. Causes eye irritation. Avoid breathing dust or spray mist and contact with eyes, skin, or clothing. Use eye protection when handling this product. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

FIRST AID ~~STATEMENTS OF PRACTICAL TREATMENT~~

If swallowed: Do not induce vomiting. Call a physician or poison control center. If available, administer activated charcoal (6-8 heaping teaspoonfuls) with a large quantity of water. Do not give anything by mouth to an unconscious person. Immediately transport to a medical care facility and see a physician.

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

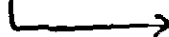
If on skin: Wash with plenty of soap and water. Get medical attention if irritation develops.

If inhaled: Remove individual to fresh air. If breathing difficulty occurs, get medical attention. If not breathing, provide cardiopulmonary resuscitation assistance (mouth-to-mouth) and get medical attention.

ENVIRONMENTAL HAZARDS

Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). ~~Do not contaminate water by cleaning of equipment or disposal of wastes.~~

Insert "Directions for Use"



STORAGE AND DISPOSAL

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

Do not contaminate water when disposing of equipment washwaters.

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

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

Insert above "Storage & Disposal"

DIRECTIONS FOR USE

See literature for complete directions for use.

Read all directions carefully before applying CUTLESS.

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

Elanco Products Company
A Division of Eli Lilly and Company
Indianapolis, IN 46285 USA

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CUTLESS® 50W

Turf Plant Growth Regulator

A plant growth regulator that improves the quality of cool and warm season turfgrasses.

Active Ingredient:

methyl	ethyl	flurprimidol: α -(1-methyl-4-(trifluoromethoxy)phenyl)-5-pyrimidinemethanol	----- 50%
		Inert ingredients	----- 50%

Contains 1/2 pound active ingredient per pound.

CUTLESS® 50W (flurprimidol, Elanco)

~~EPA Est. 1471-XXX~~ EPA Reg. No. 1471-171
EPA Reg. No. 1471-XXX

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General Use Precautions

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CUTLESS plant growth regulator reduces internode and leaf elongation in cool and warm season turfgrasses resulting in improved turf quality. Broadcast treatments should be applied only to medium to high quality, well-maintained turfgrass areas of relatively uniform species composition. Turf containing significant amounts of coarse textured species such as tall fescue, orchardgrass, timothy, dallisgrass, etc., will respond unevenly to CUTLESS treatment. Do not apply CUTLESS to putting greens. Do not apply CUTLESS through any type of irrigation system.

Do not contaminate water when disposing of equipment washwaters

Application Timing: In the spring, application should be made after resumption of active seasonal growth and full greenup. As a general rule, CUTLESS should be applied immediately after the second mowing of the season. A second application of CUTLESS may be made in late summer or early fall. In cool season turf, the second application should be timed to occur a minimum of 3 months before the normal onset of winter dormancy.

Irrigation and Mowing: To maximize growth regulator activity, treated areas should receive 1/2 inch of irrigation within 24 hours after application. Mowing can be resumed at normal maintenance height 3 to 5 days after application and thereafter as needed to maintain a desirable appearance.

Turf Color and Post Treatment Turf Management: Turfgrass treated with CUTLESS may appear darker green in color. This color change, which appears 1 to 2 weeks after treatment, may persist an additional 5 to 6 weeks. Treated areas should continue to receive management care designed to encourage the growth of a healthy vigorous turf.

Insert 1.

~~Management of Poa annua in Cool Season Turf~~

~~Poa annua is sensitive to CUTLESS treatment and is more strongly suppressed than perennial cool season turfgrass species. Discoloration of Poa annua can be expected from treatments that provide a desired level of growth regulator activity on perennial species. This effect will become visible 7 to 10 days after treatment and last for 3 to 6 weeks. The degree of discoloration will be proportional to Poa annua composition. Application of CUTLESS followed by management practices that encourage vigorous growth of perennial turfgrasses can reduce the Poa annua component in cool season turf. Application timing, rate recommendations, and precautions for Poa annua conversion using CUTLESS are provided under CUTLESS 50W Rate Recommendations.~~

Application Directions

Add CUTLESS water soluble packets to a half-full spray tank. Begin agitation and allow the packets to dissolve and release their contents into the circulating water. Allow sufficient mixing time to insure complete dispersion in water. Finish filling the spray tank. Continue agitation throughout the spraying operation to insure uniform spray application. Use of CUTLESS requires a boom-type sprayer with bypass or mechanical spray tank agitation calibrated to deliver 50 to 200 gallons of spray solution per acre (1 to 5 gallons per 1000 square feet). In-line strainers and nozzle screens should be 50-mesh or larger. The use of a coloring agent to mark the sprayed area is suggested to allow the applicator to make uniform application and avoid skips and overlaps.

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CUTLESS 50W RATE RECOMMENDATIONS

Growth reduction for Perennial Turfgrass Species

Turfgrass Species	CUTLESS 50W (lbs/A)	
	Late Spring- Early Summer	Late Summer- Early Fall
Cool Season Turfgrasses:		
Bentgrass	1.5-2	1.5-2
Kentucky bluegrass	2-3	2-3
Perennial ryegrass	2-3	2-3
Warm Season Turfgrasses:		
419 Hybrid Bermudagrass	1-1.5	1-1.5
328 Hybrid Bermudagrass	0.75-1.0	0.75-1.0
Common Bermudagrass	2.5-3	2.5-3
Zoysiagrass	1.5-2	NR ^a

On coarse textured soils such as sand, loamy sand, and sandy loam, do not use more than 1.5 pounds of CUTLESS 50W per acre per application.

^a NR - Application not recommended

Perennial Grass Conversion

~~Poa annua Conversion~~

Turfgrass Species	CUTLESS 50W (lbs/A)	
	Late Spring- Early Summer	Late Summer- Early Fall ^a
Bentgrass, Kentucky bluegrass, and perennial ryegrass	1-1.5	1-1.5

NOTE TO USER: Application of CUTLESS to Poa annua causes a brown discoloration which occurs 7 to 10 days after treatment and lasts for 3 to 6 weeks.

^a Optional: Overseed 2 to 3 weeks after a CUTLESS application with desired perennial turfgrass species.

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DISCLAIMER OF WARRANTIES

The manufacturer makes no warranties concerning this product or its use, which extend beyond the description on the label. All other warranties, express or implied, including but not limited to, any implied warranties or merchantability and fitness for a particular purpose, are disclaimed. All statements concerning this product apply only when used as directed. This disclaimer of warranties does not apply where prohibited by operation of law.

LIMITATION OF DAMAGES

Elanco's liability, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the return of the amount of the purchase price of CUTLESS and under no circumstances shall Elanco be liable for special, indirect or consequential damages. This limitation of damages does not apply where prohibited by operation of law.

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Insert 1.

Perennial Grass Conversion in Cool Season Turf

CUTLESS followed by management practices that encourage vigorous growth of perennial turfgrasses can reduce the Poa annua component while increasing the perennial grass component in cool season turf. Poa annua is sensitive to CUTLESS treatment and is more strongly suppressed than perennial cool season turfgrass species. Discoloration of Poa annua can be expected from treatments that provide a desired level of growth regulator activity on perennial species. This effect will become visible 7 to 10 days after treatment and last for 3 to 8 weeks. The degree of discoloration will be proportional to the Poa annua composition of the turf. Application timing, rate recommendations, and precautions for perennial grass conversion are provided in the "CUTLESS 50W RATE RECOMMENDATIONS" section of this label.