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241-370

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PENDULUM® PLUS FERTILIZER
Preemergent Weed Control

2.0% pendimethalin + 25-2-5 Fertilizer

FOR USE ON TURFGRASSES

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

ACTIVE INGREDIENT:

pendimethalin, N-(1-ethylpropyl)-3,4-dimethyl-2, 6-dinitrobenzenamine. 2.00%

INERT INGREDIENTS. 98.00%

TOTAL. 100.00%

(50 lbs contains 1.0 lb pendimethalin)

EPA Reg. No. 241-

EPA Est. No.

GUARANTEED ANALYSIS

Total Nitrogen (N). 25.00%

0.75% Ammoniacal Nitrogen

24.25% Urea Nitrogen*

Available Phosphoric Acid (P₂O₅). 2.00%

Soluble Potash (K₂O). 5.00%

Sulfur (S) Free. 2.40%

Derived from: Sulfur Coated Urea, Urea, Diammonium Phosphate, and Muriate of Potash.

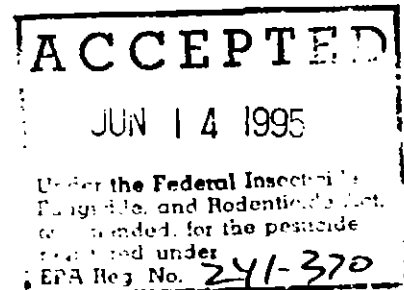
*5.60% Slowly available Nitrogen from Sulfur Coated Urea. Product of USA.

KEEP OUT OF REACH OF CHILDREN

CAUTION

In case of emergency endangering life or property involving this product, call collect, day or night, Area Code 201-835-3100.

AMERICAN CYANAMID COMPANY
AGRICULTURAL PRODUCTS DIVISION
SPECIALTY PRODUCTS DEPARTMENT
WAYNE, NJ 07470 ©1994



Net Contents: 50 lbs.

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STATEMENT OF PRACTICAL TREATMENT

If in eyes: Flush eyes with plenty of water. Call a physician if irritation persists.
If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. DO NOT apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. DO NOT contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

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

This labeling must be in the possession of the user at time of pesticide application.

Observe all cautions and limitations in this leaflet and on the labels of products used in combination with PENDULUM PLUS FERTILIZER herbicide. Do not use PENDULUM PLUS FERTILIZER herbicide other than in accordance with the instructions set forth on this label. The use of PENDULUM PLUS FERTILIZER herbicide not consistent with this label can result in injury to turf, animals, or persons. Keep container closed to avoid spills and contamination.

DO NOT apply this product through any type of irrigation system.

STORAGE AND DISPOSAL

STORAGE: DO NOT store above 120°F. Store in original containers and keep closed. Store in a cool, dry place.

DO NOT contaminate water, food, or feed by storage or disposal.

PESTICIDE

DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER

DISPOSAL: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill, by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Observe all cautions and limitations on this label and the labels of products used in combination with **PENDULUM PLUS FERTILIZER**. The use of **PENDULUM PLUS FERTILIZER** not consistent with this label can result in injury to turf, animals, or persons. Keep bags closed to avoid spills and contamination.

DISCLAIMER

The label instructions for use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the use or application of the product contrary to label instructions, all of which are beyond the control of American Cyanamid Company. All such risks shall be assumed by the user.

American Cyanamid Company warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use, subject to the risk referred to above.

Any damages arising from a breach of this warranty shall be limited to direct damages and shall not include consequential commercial damages such as loss of profits or values or any other special or indirect damages.

American Cyanamid Company makes no other express or implied warranty, including other express or implied warranty of **FITNESS** or of **MERCHANTABILITY**.

GENERAL INFORMATION

PENDULUM PLUS FERTILIZER is a combination preemergent herbicide and fertilizer formulated to provide control of most annual grasses and certain broadleaf weeds found in turfgrass. **PENDULUM PLUS FERTILIZER** is labeled for use on the following turfgrass species: Kentucky bluegrass, perennial ryegrass, fine fescue, tall fescue, bentgrass, Poa annua (except putting greens and tees), bermudagrass, St. Augustinegrass, bahiagrass, centipedegrass, zoysiagrass and blend of these grasses.

PENDULUM PLUS FERTILIZER controls weeds as they germinate but will not control established weeds.

Unusually cold, excessively wet, or hot and dry conditions that delay germination or extend germination over a long period of time can reduce weed control.

Applied according to label directions and under normal growing conditions, PENDULUM PLUS FERTILIZER will not cause turf injury. Over-application can result in turf stand loss, turf injury, or soil residues. Uneven application can decrease weed control or cause turf injury.

Seedling diseases, cold weather, excessive moisture, high soil pH, high soil salt concentration, or drought can weaken turfgrass and increase the possibility of turf damage from PENDULUM PLUS FERTILIZER.

APPLICATION

Apply product uniformly at the recommended rate using a properly calibrated spreader (see table below for approximate settings). The efficacy of PENDULUM PLUS FERTILIZER will be improved if the application is followed by one-half inch of rainfall or its equivalent in sprinkler irrigation. This will remove the product from the turfgrass foliage and establish a preemergent herbicide barrier in the soil. Avoid contact of product with porous surfaces such as driveways, stone, or wood. Removing particles will help prevent staining.

SUGGESTED SPREADER SETTINGS

75 lbs. treats 1 acre delivering 1.5 lb. ai/A and .44 lb. N/1,000 ft.²

Spreader	Ground Speed	Spreading Width	Recommended Rates lbs. per acre		
			50	75	100
LESCO Rotary	3 mph	9 ft.	C 1/2 10"/32	D 1/2 12"/32	E 1/2 14"/32
Scotts R-7,R-7x	3 mph	12 ft.	F	I	K
Scotts R-8,R-8a	3 mph	11 ft.	J	L 1/2	N
¹ Lely	4.5 mph	30 ft.	4 1/4 III	5 1/2 III	6 1/2 III
² Vicon	4.5 mph	30 ft.	21	25	29

¹Models WTR, WRF, HR, and 1250 PTO-450 rpm

²Vicon - All models PTO-540 rpm

Important: Spreader settings are only approximate. Age, condition of spreader, and operator speed can cause wide variation in application rate. Spreader should be calibrated prior to each application by the operator.

APPLICATION RATES

<u>Turfgrass Species</u>	<u>Weeds</u>	<u>Rates of PENDULUM PLUS FERTILIZER</u>	<u>Comments</u>
<u>NORTHERN GRASSES</u>			
Kentucky bluegrass Perennial ryegrass Fine fescue Tall fescue	crabgrass foxtail <u>Poa annua</u> barnyardgrass fall panicum oxalis prostrate spurge purslane knotweed evening primrose hop clover	75-100 lbs./acre as the initial application prior to weed germination in the spring.	Apply a repeat application of 50-75 lbs./acre after a minimum of 6 - 8 weeks for extended control or where heavy weed infestations are expected.
	goosegrass	75-100 lbs./acre in the spring prior to weed germination. Apply a repeat application of 75 lbs./acre.	
	cudweed <u>Poa annua</u> chickweed lawn burweed henbit corn speedwell	75-100 lbs./acre	Apply in late summer or early fall prior to weed germination.
Bentgrass* and established <u>Poa annua</u> * (1/2 inch height or taller)	crabgrass foxtail <u>Poa annua</u> barnyardgrass fall panicum oxalis prostrate spurge purslane knotweed evening primrose hop clover	75 lbs./acre in the spring prior to weed germination.	Apply a repeat application of 50-75 lbs./acre after a minimum of 6 - 8 weeks for extended control or where heavy weed infestations are expected.

*Not for use on tees or greens.

goosegrass 75 lbs./acre
 in the spring prior
 to weed germination.
 Apply a repeat
 application of
 75 lbs./acre
 after a minimum of
 6 - 8 weeks.

cudweed <u>Poa annua</u> chickweed lawn burweed henbit corn speedwell	75 lbs./acre	Apply in late summer or early fall prior to weed germination.
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SOUTHERN GRASSES

Bermudagrass St. Augustinegrass Bahagrass Zoysiagrass Centipedegrass Tall fescue	crabgrass foxtail <u>Poa annua</u> barnyardgrass fall panicum oxalis prostrate spurge purslane knotweed evening primrose hop clover	75-100 lbs./acre prior to weed germination in the spring.	Apply a repeat application of 50-75 lbs./acre after a minimum of 6 - 8 weeks if necessary.
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goosegrass	75 lbs./acre prior to weed germination in the spring. Apply a repeat application of 75-100 lbs./acre after a minimum of 6 - 8 weeks.	An additional application of 75 lbs./acre may be applied for extended goosegrass control a minimum of 6 - 8 weeks after the second application.
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cudweed <u>Poa annua</u> chickweed lawn burweed henbit corn speedwell	75-100 lbs./acre	Apply in late summer or early fall prior to weed germination.
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The efficacy of PENDULUM PLUS FERTILIZER will be improved if the application is followed by one-half inch of rainfall or its equivalent in sprinkler irrigation. If PENDULUM PLUS FERTILIZER is not activated by rainfall or irrigation within 14 days, erratic weed control may result.

PRECAUTIONS

Use only on well established turfgrass with a dense and uniform stand. On newly planted areas, application should not be made until the turfgrass has filled in and has been mowed at least four times.

On turf that has been thinned or damaged due to winter injury, excessive moisture, etc., allow for turf recovery prior to making an application.

Applications made to overseeded warm-season turfgrasses may cause thinning or injury of the overseeded species.

Do not use on bermudagrass (green) or bentgrass or Poa annua (greens and tees) or injury may occur.

Delay reseeding or winter overseeding treated turfgrass for at least 2 months following application. Do not sprig turfgrass for 3 months after application.