

53883-86

6/10/2003

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF PESTICIDE:   x   Registration  
EPA Reg. Number: 53883-86  
Term of Issuance: Conditional  
Name of Pesticide Product: Pendimethalin 0.66% + Fertilizer

JUN 10 2003

Control Solutions, Inc.  
5903 Genoa-Red Bluff  
Pasadena, TX 77507-1041

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. a. Add on the front panel, "EPA Reg. No. 53883-86" and "EPA Est. No. 53883-XX-XX."  
b. Add the signal word "Caution."  
c. Under "Precautionary Statement";

Add "Harmful if swallowed" after "Causes moderate eye irritation."

- d. Under "First Aid";

Add the following paragraph of "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 give anything by mouth to an unconscious person.
- Do not induce vomiting unless told to do so by a Poison Control Center or doctor.

3. Under "Directions for Use";

- a. Add the following statements as the second line of this section:  
"Do not allow people or pets to enter the treated area until the sprays or dusts have settled."
- b. Add the following statements to a new paragraph:  
"Do not apply this product in a way that will contact any person or pet, either directly or through drift. Keep people and pets out of the area during application."
- c. Under "Directions for Use";

Add the following "Spray Drift" Statement in a new paragraph:

"Do not allow spray (or dust) to drift from the application site and contact people, structures people occupy at any time and the associated property, parks and recreation areas, nontarget crops, aquatic and wetland areas, woodlands, pastures, rangelands, or animals. Apply only when wind speed is not more than 10 mph. For sprays, apply largest size droplets possible."

d. Add the following statements:

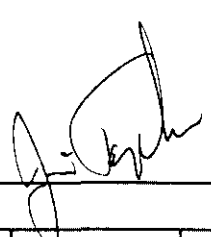
Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Shoes and socks.

4. Under "Storage and Disposal";

Add "Pesticide" to the heading of "Storage."

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.



CONCURRENCES

<b>SYMBOL</b>	7505C	7505C						
<b>SURNAME</b>	Bien	Tompkins						
<b>DATE</b>		6-15-63						

# PENDIMETHALIN 0.66% + FERTILIZER

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Preemergent Weed Control

0.66% Pendimethalin + 25-2-5 Fertilizer

FOR USE ON TURFGRASSES

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

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
53883-86

**ACTIVE INGREDIENT:**

JUN 10 2003

Pendimethalin: N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine . . . . . 0.66%

**INERT INGREDIENTS:** . . . . . 99.34%

**TOTAL** . . . . . 100.00%

(50 lbs. contains 0.33 lb. pendimethalin)

EPA Reg. No. 53883-XX

EPA Est. No.

**GUARANTEED ANALYSIS**

Total Nitrogen (N) . . . . . 25.00%

0.75% Ammoniacal Nitrogen

24.25% Urea Nitrogen\*

Available Phosphoric Acid (P<sub>2</sub>O<sub>5</sub>) . . . . . 2.00%

Soluble Potash (K<sub>2</sub>O) . . . . . 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.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**FIRST AID**

<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 - 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

FOR CHEMICAL SPILL, LEAK, FIRE OR EXPOSURE CALL CHEMTREC: 1-800-424-9300

Net Contents:

**PRECAUTIONARY STATEMENT  
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 PENDINGMETHALIN PLUS FERTILIZER herbicide. Do not use PENDINGMETHALIN PLUS FERTILIZER herbicide other than in accordance with the instructions set forth on this label. The use of PENDINGMETHALIN 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.  
**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.

**GENERAL INFORMATION**

PENDINGMETHALIN PLUS FERTILIZER is a combination preemergent herbicide and fertilizer formulated to provide control of most annual grasses and certain broadleaf weeds found in turfgrass. PENDINGMETHALIN 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 blends of these grasses.

PENDINGMETHALIN 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, PENDINGMETHALIN 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 PENDINGMETHALIN PLUS FERTILIZER.

**APPLICATION**

Apply product uniformly at the recommended rate using a properly calibrated spreader (see table below for approximate settings). The efficacy of PENDINGMETHALIN 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

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227 lbs. treats 1 acre delivering 1.5 lb. ai/acre and 1.3 lb. N 1,000 ft<sup>2</sup>

			Recommended Rates lbs. per acre		
Spreader	Ground Speed	Spreading Width	152	227	303
Rotary	3 mph	9 ft.	C 1/2	D 1/2	E 1/2
			10" .32	12" .32	14" .32
Scotts R-7, R-7A	3 mph	12 ft.	F	I	R
Scotts R-8, R-8a	3 mph	11 ft.	J	L 1/2	N
<sup>1</sup> Lely	4.5 mph	30 ft.	4 1/4 III	5 1/2 III	6 1/2 III
<sup>2</sup> Vicon	4.5 mph	30 ft.	21	25	29

<sup>1</sup>Models WTR, WRF, HR, and 1250 PTO-450 rpm

<sup>2</sup>Vicon - 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			
Turfgrass Species	Weeds	Rates of Pendimethalin plus Fertilizer	Comments
<b>NORTHERN GRASSES</b>			
Kentucky bluegrass Perennial ryegrass Fine fescue Tall fescue	crabgrass foxtail Poa annua barnyardgrass fall panicum oxalis prostrate spurge purslane knotweed evening primrose hop clover	227 - 303 lbs. / acre as the initial application prior to weed germination in the spring	Apply a repeat application of 152-227 lbs. / acre after a minimum of 6 - 8 weeks for extended control or where heavy weed infestations are expected
	goosegrass	227 - 303 lbs. / acre in the spring prior to weed germination. Apply a repeat application of 227 lbs. / acre.	
	cudweed Poa annua chickweed lawn burweed henbit corn speedwell	227 - 303 lbs. / acre	Apply in late summer or early fall prior to weed germination.

Bentgrass* and established Poa annua* (½ in height or taller)  *Not for use on tees or greens	crabgrass foxtail Poa annua barnyardgrass fall panicum oxalis prostrate spurge purslane knotweed evening primrose hop clover	227 lbs./acre in the spring prior to weed germination.	Apply a repeat application of 152 - 227 lbs. / acre after a minimum of 6 - 8 weeks for extended control or where heavy weed infestations are expected.
	goosegrass	227 lbs. / acre in the spring prior to weed germination. Apply a repeat application of 227 lbs. / acre after a minimum of 6 - 8 weeks.	
	cudweed Poa annua chickweed lawn burweed henbit corn speedwell	227 lbs. / acre	Apply in late summer or early fall prior to weed germination.
<b>SOUTHERN GRASSES</b>			
Bermudagrass St. Augustinegrass Bahagrass Zoysiagrass Centipedegrass Tall fescue	crabgrass foxtail Poa Annua barnyardgrass fall panicum oxalis prostrate spurge purslane knotweed evening primrose hop clover	227 - 303 lbs. / acre prior to weed germination in the spring.	Apply a repeat application of 152 - 227 lbs. / acre after a minimum of 6 - 8 weeks if necessary.
	goosegrass	227 lbs. / acre prior to weed germination in the spring. Apply a repeat application of 227 lbs. / acre. Apply a repeat application of 227 - 303 lbs. / acre after a minimum of 6 - 8 weeks.	An additional application of 227 lbs. / acre may be applied for extended goosegrass control a minimum of 6 - 8 weeks after the second application.
	cudweed Poa annua chickweed lawn burweed henbit corn speedwell	227 - 303 lbs. / acre	Apply in late summer or early fall prior to weed germination.

The efficacy of PENDIMETHALIN PLUS FERTILIZER will be improved if the application is followed by one-half inch of rainfall or its equivalent in sprinkler irrigation. If PENDIMETHALIN 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.

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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 turfgrass 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.

**CONDITIONS OF  
SALE AND WARRANTY**

**CONTROL SOLUTIONS INC. AND SELLER OFFER THIS PRODUCT AND THE BUYER AND USER ACCEPTS THIS PRODUCT UNDER THE FOLLOWING AGREED CONDITIONS OF SALE AND WARRANTY.**

The directions for use of this product are believed to be reliable and should be followed carefully. However, it is impossible to take into account all variables and to eliminate all risks associated with its use. Injury or damage may result because of conditions which are beyond the control of Control Solutions or the Seller. Control Solutions warrants only that this product conforms to the chemical description on the label and is believed to be reasonably fit for the purposes referred to in the Directions for Use when used as directed under normal conditions. CONTROL SOLUTIONS MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. In no case shall Control Solutions or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. Any variation or exception from this warranty must be in writing and signed by an authorized Control Solutions representative.