

53883-86

08/31/2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

AUG 31 2009

Ms. Amy Warren  
Product Registration  
Control Solutions Incorporated  
5903 Genoa-Red Bluff  
Pasadena, TX 77507-1041  
Research Triangle Park, NC 27709

Subject: Label Notification for Pesticide Registration Notice 2007-4  
(Storage & Disposal Changes)

Dear Registrant:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated August 3, 2009 for:

**EPA Registration 53883-86 "PENDIMETHALIN 0.66% + FERTILIZER"**

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and finds that the label change(s) requested falls within the scope of PRN-2007-4. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Owen F. Beeder of my staff at 703-308-8899.

Sincerely,

A handwritten signature in black ink, appearing to read "Linda Arrington".

Linda Arrington  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs



United States  
Environmental Protection Agency  
Washington, DC 20460

 Registration  
 Amendment  
 Other

OPP Identifier Number

### Application for Pesticide - Section I

1. Company/Product Number 53883 - 86	2. EPA Product Manager George LaRocca	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Pendimethalin 0.66% + Fertilizer	PM# 13	
5. Name and Address of Applicant (Include ZIP Code) Control Solutions, Inc. 5903 Genoa-Red Bluff Pasadena, TX 77507-1041 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

### Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

### Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	<input checked="" type="checkbox"/> Glass	<input checked="" type="checkbox"/> Paper
		If "Yes" Package wgt	No. per container	Other (Specify) _____	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 1 pt - 50 lb		5. Location of Label Directions <input checked="" type="checkbox"/> on label	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

### Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Amy Warren	Title Regulatory Affairs Specialist	Telephone No. (Include Area Code) 800-242-5552
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Regulatory Affairs Specialist	
4. Typed Name Amy Warren	5. Date 8-3-09	



**C O N T R O L**  
**S O L U T I O N S**  
i n c o r p o r a t e d

August 3, 2009

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202-4501

**Re: Notification per (PR) Notice 2007-4, Labeling Revisions required by the Final Rule  
"Pesticide Management and Disposal"  
Pendimethalin 0.66% + Fertilizer (EPA Reg. No. 53883-86)**

Dear Sir or Madam:

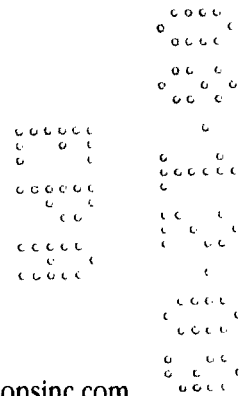
Enclosed is a Notification for (PR) 2007-4; See highlighted text on attached labeling.

Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

If you have any questions or need additional information, please feel free to contact me.

Sincerely,

Amy Warren  
Regulatory Affairs Specialist  
Control Solutions, Inc.



9/9

# PENDIMETHALIN 0.66% + FERTILIZER

Pre-emergent 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, or for commercial seed production, or for research purposes.

### ACTIVE INGREDIENT:

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. 53883-86

EPA Est. No. 53883-TX-002

### 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>
<b>If Swallowed</b>	<ul style="list-style-type: none"> <li>· Call a poison control center or doctor for treatment advice.</li> <li>· Have person sip a glass of water if able to swallow.</li> <li>· Do not give anything by mouth to an unconscious person.</li> <li>· Do not induce vomiting unless told to do so by a Poison Control Center or doctor.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall® International (866) 897-8050 for emergency medical treatment information.</p>	

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 swallowed. 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.

Do not allow people or pets to enter the treated area until sprays or dusts have settled.

Do not apply this product in a way that will contact and person or pet, either directly or through drift. Keep people and pets out of the area during application.

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, non target 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.

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

Applicators and other handlers must wear:

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

**STORAGE AND DISPOSAL**

**PESTICIDE STORAGE:** Store in original container. Keep area inaccessible to children and pets.

**CONTAINER DISPOSAL:** If empty: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Do not rinse unless required for recycling. If recycling is not available: then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. If partly filled: Call your local solid waste agency for disposal instructions. Never pour unused product down any indoor or outdoor drain.

**GENERAL INFORMATION**

PENDIMETHALIN PLUS FERTILIZER is a combination pre-emergent herbicide and fertilizer formulated to provide control of most annual grasses and certain broadleaf weeds found in turfgrass. PENDIMETHALIN 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.

PENDIMETHALIN 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, PENDIMETHALIN 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 PENDIMETHALIN PLUS FERTILIZER.

**APPLICATION**

Apply product uniformly at the recommended rate using a properly calibrated spreader (see table below for approximate settings). 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. This will remove the product from the turfgrass foliage and establish a pre-emergent 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**

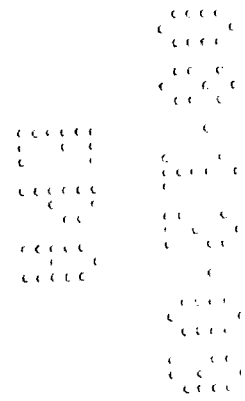
227 lbs. treats 1 acre delivering 1.5 lb. ai/acre and 1.3 lb. N/1,000 ft<sup>2</sup>

			Recommended Rates lbs. per acre		
Spreader	Ground Speed	Spreading Width	152	227	303
Rotary	3 mph	9 ft.	C ½	D ½	E ½
			10" / 32	12" / 32	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 ½	N
<sup>1</sup> Lely	4.5 mph	30 ft.	4 1/4 III	5 ½ III	6 ½ 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)	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.
*Not for use on tees or greens			
	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	crabgrass	227 - 303 lbs. / acre prior	Apply a repeat

St. Augustinegrass Bahigrass Zoysiagrass Centipedegrass Tall fescue	foxtail Poa Annua barnyardgrass fall panicum oxalis prostrate spurge purslane knotweed evening primrose hop clover	to weed germination in the spring.	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.

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.

