

34704-835

02/11/2002

1/5



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:

34704-835

Date of Issuance:

FEB 11 2002

NOTICE OF PESTICIDE:  
 Registration  
 Reregistration

Term of Issuance:

Conditional

Name of Pesticide Product:

PENDIMETHALIN 1.07  
&  
FERTILIZER

(under FIFRA, as amended):

Name and Address of Registrant (include ZIP Code):

PLATTE CHEMICAL Co.  
419 18<sup>th</sup> Street  
GREELEY, CO 80631

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

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 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 registration of your product under FIFRA section 4.

1. Revise the EPA Registration Number to read, "EPA Reg. No. 34704-835".
2. Submit one copy (1) of the final printed label before you release the product for shipping
3. Within 30 days, you must submit a letter from Knox fertilizer company to permit the use of their eye irritation study for 8378-45 to satisfy the requirements of PR notice 2001-2, section 2b

3a. Under "PPE and ReENTRY PPE", must be modified to read as follows:  
Mixers, loaders, and others exposed to Pendimethalin must wear:

1. " add " chemical resistant gloves" Category A ; In accordance with guidance in PR 93.7
2. Long-sleeved shirt and long pants
3. Socks and shoes
4. Protective eyewear.

Signature of Approving Official:

Date:

FEB 11 2002

4. The "Disclaimer Section" and "Uses with Other products (tank Mixes), may contain broad statements concerning immunity from liability. Approval of this label should be construed as a decision by agency that the language is not misleading and the label language eventually might have to be changed.

5. Application to turf may not exceed a rate of 187lbs per application to stay within 2lbs a.i. stated in the RED

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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.

# Pendimethalin 1.07% on FERTILIZER

Pre-emergence Weed Control with quality turf nutrients for Golf Courses, Sod Farms, Turf Management Firms, Municipal, Federal, Corporate Parks, Lawns, Cemeteries, For use by Grounds Maintenance Personnel, For Commercial, Ornamental, Recreational turf, Residential Lawns.\* Also for use around Ornamental plantings and in ground covers.

**Controls Crabgrass, Chickweed, Foxtail, Goosegrass, Knotweed, Oxalis, Poa Annua, Spurge and other weeds, as listed. Fertilizer provides greening and extended feeding.**

ACTIVE INGREDIENT:  
Pendimethalin, CAS [ 40487-42-1] - - - - - 1.07%  
OTHER INGREDIENTS: - - - - - 98.93%  
Total 100.00%

**ACCEPTED with COMMENTS In EPA Letter Dated**  
**FEB 11 2002**  
**Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 34704-835**

EPA Stamp area

KEEP OUT OF REACH OF CHILDREN

## CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

### FIRST AID

**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 induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF IN EYES** - Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

**IF ON SKIN** - Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

**IF INHALED** - Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.

Have this product container or label with you when calling a poison control center, or doctor, or when going for treatment.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS and DOMESTIC ANIMALS

**CAUTION:** Causes eye irritation. Avoid contact with skin, eyes, or clothing. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists. Wash thoroughly with soap and water after handling. May be harmful if swallowed. Avoid inhalation. Do not contaminate feed or foodstuffs. Do not feed clippings to livestock. Do not graze treated areas.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear coveralls over short-sleeved shirt and short pants; waterproof gloves; chemical resistant footwear plus socks; protective eyewear; chemical-resistant headgear for overhead exposure; chemical resistant apron when cleaning equipment. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry

#### User Safety Recommendations

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE as soon as possible after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water, or 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 areas. Do not contaminate water when disposing of equipment washwaters. In case of product spill; sweep up, and use as per label instructions or dispose of as directed.

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. Do not apply this product through any type of irrigation system. Do not apply aerially.

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, and nurseries, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) notification to workers, and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls; waterproof gloves, chemical resistant footwear plus socks, protective eyewear, and chemical resistant headgear for overhead exposure. (pend107p1of3.p65/04-17-01)

EPA Reg. No. 34704-~~ICL~~ EPA Est. No. 34704-FL-1

**Net Weight 50 Pounds**

**Platte Chemical Company, Inc.**

419 18th Street - Greeley, CO 80631 U.S.A.

### Weeds Controlled

When used at recommended rates this product will prevent weed seed growth of the following grassy and broadleaf weeds and provides turf, a nitrogen feeding.

Grassy Weeds	Broadleaf Weeds
Poa Annua, Barnyardgrass, Crabgrass - (Large, Smooth) Foxtail - (Yellow, Green, Goosegrass, Fall panicum.	Common Chickweed, Cudweed, Henbit, Hop Clover, Knotweed, Oxalis, Prostrate Spurge, Yellow Woodsorrel.

To prevent goosegrass, crabgrass, foxtail, barnyard grass, fall panicum, Oxalis, Knotweed, Prostrate Spurge, apply in the spring before they sprout. To prevent Poa Annua and fall germinating chickweed, apply product to dry foliage in late summer or early fall before seeds germinate. For continued "weed-free" turf, under heavy weed pressure, a second, and third, timely annual treatment may be required.

### WHERE & HOW MUCH TO USE FOR WEED CONTROL

TURFGRASSES	WEEDS	RATES/ACRE	COMMENTS
Cool Season grasses Kentucky Bluegrass, Perennial Ryegrass, Fine Fescue Tall Fescue	Crabgrass Foxtail Poa annua Barnyardgrass Oxalis Prostrate Spurge Purslane Knotweed Chickweed	163 to 187 lbs. per acre prior to weed germination	Apply 3 repeat applications of 140 lbs. per acre after 6 to 8 weeks where heavy weed infestations are expected.
	Goosegrass	163 lbs. / acre in spring prior to weed seed germination.	Apply 2 repeat application after 6 to 8 weeks at 140 to 163 lbs. / acre
Bentgrass and established Poa annua 1/2 inch cut or higher Not for use on greens and tees!	Goosegrass Crabgrass Poa annua Barnyardgrass Fall panicum Oxalis Prostrate spurge Purslane Knotweed	140 lbs. / acre in the spring prior to weed germination. Apply a repeat application of 140 lbs. / acre after 6 to 8 weeks.	
Warm Season Grasses Bermudagrass St. Augustinegrass Bahagrass Zoysiagrass 187 lbs. / acre rate or less) Tall Fescue	Crabgrass Foxtail Poa annua fall panicum Oxalis Prostrate Spurge Purslane Knotweed Chickweed	163 to 280 lbs. / acre prior to weed germination 280 lbs. / acre may be used prior to weed germination with a repeat application of 163 lbs. per acre after 4 months, where weeds germinate over an extended period. Do not use this high rate on (centipedegrass.)	Apply a repeat application of 140 to 163 lbs. per acre after 6 to 8 weeks for extended control or where heavy weed infestations are expected.
	Goosegrass	163 to 280 lbs. acre prior to weed germination.	Apply a repeat application of 140 to 163 lbs. / acre in 6 to 8 weeks to control goosegrass, if the lower rate was used initially.
	Cudweed Hop Clover Evening primrose Henbit	280 lbs. / acre prior to weed germination.	

#### rate equivalents of this product.

140 lbs. of product per acre = 3.21 lbs. / 1,000 sq.ft. provides 1.5 lb. a.i. per acre.

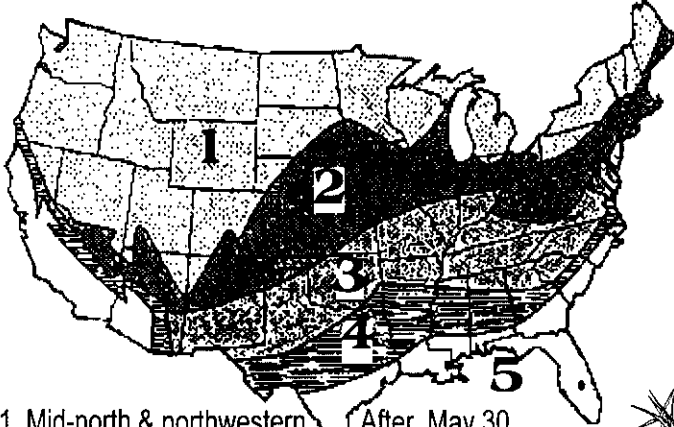
163 lbs. of product per acre = 3.75 lbs. per 1,000 sq.ft. provides 1.75 lbs. a.i. per acre.

187 lbs. of product per acre = 4.30 lbs. per 1,000 sq.ft. provides 2 lbs. a.i. per acre.

280 lbs. of product per acre = 6.42 lbs. / 1,000 sq.ft. provides 3 lbs. a.i. per acre.

Contains a quality Turf Fertilizer

## Approximate Crabgrass germination Dates



- |                                 |                 |
|---------------------------------|-----------------|
| 1. Mid-north & northwestern     | After May 30    |
| 2. Upper/mid-states & northeast | After May 10    |
| 3. Lower mid-states             | After April 20  |
| 4. Upper southern states        | After Mar 20    |
| 5. Warm season states           | Jan 1 to Mar 20 |



### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The "WPS" applies only when this product is used to produce agricultural plants on farms, forests, and nurseries. Applicators and handlers should wear long sleeved shirt, long pants, shoes plus socks, protective eyewear, and waterproof gloves. Do not allow entry to treated areas until dusts have settled and grass is dry.

### SPREADER SETTINGS

Following spreader settings are based on the use with new spreader equipment. Used spreaders may require spreader setting adjustments to assure that the selected application rate of product per acre is properly applied. For adjustments refer to the Spreader Manufacturers Maintenance Manual.

Do not apply this product until spreader equipment is properly calibrated.

Spreader	lbs. (#) of product / 1,000 sq. ft. = to x x #. a.i. per acre				
	2.14# / 1,000 = 1.0 #. a.i.	3.21# / 1,000 = 1.5 #. a.i.	3.75# / 1,000 = 1.75 #. a.i.	4.30# / 1,000 = 2.0 #. a.i.	6.42# / 1,000 = 3.0 #. a.i.
Scotts Drop	X	X	X	X	X
Scotts Rotaries	X	X	X	X	X
SR7000-R-7x	X	X	X	X	X
R-8; R-8A	X	X	X	X	X
Gandy - 30"	X	X	X	X	X
Lely WTR, HR	X	X	X	X	X
Vicon 82 series	X	X	X	X	X
Deere					

NOTE FROM "Ed": x's in the above chart will be changed to actual spreader equipment settings numbers or letters on the product bag.

### PRECAUTIONS IN USING

If product contact occurs to clothing and shoes, brush off particles as soon as possible to avoid staining. If necessary, rinse with water. Avoid application to cement, and stone. If contact occurs to those areas or to clothing or shoes, brush particles off as soon as possible to prevent staining. If necessary rinse with water. Exercise caution when metallic surfaces (automobiles, etc.) are in the area, do not use this product under windy conditions (5 to 10 mph) due to its staining potential.

### PRECAUTIONS IN USING (cont.)

Do not use on Bentgrass and Poa Annua putting greens and tees, or on dichondra. Where Bentgrass and Bentgrass-containing turf and Poa Annua are the desired species, a lower rate application only is recommended. On Cool Season Turfgrass avoid applications when temperatures are regularly in the 80's. This product may cause discoloration and thinning where over applications have been made if the turfgrass is under severe stress conditions (disease, drought, low temperatures - below 40° F, scalping, and excessive soil moisture).

**PRECAUTIONS for Bermudagrass, Bentgrass, Poa annua**  
Do not apply to dormant Bermudagrass, Bentgrass or Poa Annua (turf that is not growing actively or has experienced frost. May be applied to dormant Bermudagrass if it has been maintained at 1/2 inch or more high cut and is growing in medium fine textured soils such as clays and clay loams. When applied to dormant Bermudagrass, greening up may be delayed 2 to 3 weeks in the spring. The delay in this greening process may be more extensive on low cut Bermudagrass and on sandy soils.

Where turf thinning or damage has occurred due to winter injury of bermudagrass wait until green-up, fill-in and good rooting before making an application.

Application to Bermudagrass overseeded with a cool season grass may injure and thin the overseeded variety. Do not apply to Bentgrass or Poa Annua after late summer.

### OTHER PRECAUTIONS CONCERNING SEEDING

For Seeding; Delay seeding 4 months and springing by 5 months after an application. Prior to planting, for best results, the soil surface should be worked (verticut and/or etc., to delute any remaining chemical residue. On newly planted areas; wait until the turf has been mowed at least 4 times, and has filled-in, before application. Do not apply to the same area more than twice in one year.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.  
**STORAGE:** Store in original labeled container, in a dry, cool area out of reach of children and pets. Partially use bags should be sealed by folding down the top and securing.  
**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:** Do not reuse empty bag. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State or local authorities, by burning. If burned stay out of smoke.

### GUARANTEED FERTILIZER ANALYSIS

Total Nitrogen (N)	variable%
Sulfate Nitrogen	variable%
Ammoniacal Nitrogen	variable%
Water Soluble Nitrogen (and/or Urea Nitrogen)	variable%
Water Insoluble Nitrogen	variable%
Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> )	variable%
Soluble Potash (K <sub>2</sub> O)	variable%
Chlorine	not more than variable%

Derived from: Urea, Sulfur coated Urea, Ureaform, Sulfate of Ammonia, Ammonium Phosphate, Muriate of Potash, Sulphate-Potash-Magnesium. Potential Acidity: Equivalent to \_\_\_ lbs. of Calcium Carbonate per ton.

### Statement of Secondary Plant Foods

Total Magnesium as Mg - 1.20%; Iron as Fe - 1.00%; Water Soluble Magnesium Mg - 1.20%; Zinc as Zn - 0.05% Manganese as Mn - 0.50%; Boron as B 0.02% Copper as Cu - 0.02%; Molybdenum as Mo - 0.002% Derived from: Manganese Sulphate, Iron Oxide, Manganese Oxide, Copper Oxide, Zinc Oxide, Borax, Sodium Molybdate.

### NOTICE

It is impossible to eliminate all risks inherently associated with the use of this product. Plant injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Platte, the manufacturer or seller. In no case shall Platte, the manufacturer or seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer. Except as expressly provided herein, Platte, the manufacturer or seller makes no warranties, guarantees, or representations of any kind, either express or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to, merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. Buyer's or user's exclusive remedy, and Platte's, the manufacturer's or seller's total liability, shall be for damages not exceeding the cost of the product. (09d10726f3 0651 04-17-01)

EPA Reg. No. 34704- EPA Est. No. 34704-FL-1  
**Net Weight 50 Pounds**

**PLATTE CHEMICAL COMPANY**

419 18th Street Greeley, CO 80631

# Pendimethalin 1.07% on FERTILIZER

## Weed Control Around Ornamentals

In ornamentals, remove established weeds to prevent further weed seedings: Smooth soil surfaces or mow beneath, around, and in, the planting before application. To provide proper distribution calibrate spreader before application 1 to 2 weeks before expected weed seeds germinate. Follow the application with 1/4 to 1/2 inch of sprinkler irrigation. or the equivalent rainfall will benefit in the same manner, to release the herbicide to soil surface.

### APPLICATION RATES FOR ESTABLISHED ORNAMENTALS

1. When moderate weed seed germination is expected.  
apply 3.21 lbs.per 1,000 sq.ft. = 1.5 lb. a.i. per acre.

2. For heavy expected weed seed germination.  
apply 4.30 lbs.per 1,000 sq.ft. = 2 lbs. a.i. per acre.

Apply only to established plantings.

## Tolerant Ground Covers

The number of herbicides that can be used in ground covers is very limited however this product may be used for the preemergence control of the weed species as listed in and around the following established ground covers, in landscape plantings, and freeway right-of-ways.

Common Name	Scientific Name
Capeweed	Arctotheca calendula
Daisy, Trailing African	Osteospermum fruticosum
Gazania	Gazania splendens
Rose-of-Sharon	Hypericum calycinum
Iceplant, Large Leaf	Carpobrotus edule
Ivy, English	Helix hedera
Ivy, Geranium	Pelargonium peltatum
Myoporum	Myoporum parviflorum
Pachysandra	Pachysandra terminalis
Potentilla spp	Potentilla Jackmanii
Potentilla spp.	Potentilla verna

## WEED CONTROL IN AND AROUND THE FOLLOWING ORNAMENTAL PLANTINGS

This product is recommended for use on the following established field grown plants, trees, and established ground covers. Care must be taken to see that soil or planting mixes have settled firmly around the plants and that there are no cracks that would allow the granules to directly contact the roots. Directed application of the granules to the smoothly worked soil surface or turfgrass beneath or around the plants will result in best weed control and ornamental tolerance to the herbicide. Only those ornamentals listed on this label should be planted into soil treated the previous season with this product. Injury may occur to other species. Do not apply to seedbeds.

### ESTABLISHED ORNAMENTAL PLANTS

Common Name	Scientific Name	Common Name	Scientific Name
Abelia, Glossy	Abelia grandiflora var. grandiflora	Juniper, Shore	Juniperus conferta
Ash, Red	Fraxinus pennsylvanica	Juniper, Trailing	Juniperus horizontalis var. plumosa
Azalea	Rhododendron indicum		var. prince of wales
Barberry	Berberis thunbergii var. atropurpurea		var. youngstown
Birch, Weeping	Betula pendula	Laurel, Mountain	Kalmia latifolia
Birch, River	Betula nigra	Lilac, Common	Syringa vulgaris
Boxwood	Buxus sempervirens	Locust, Honey	Gleditsia Triacanthos var. inermis
Capejasmine	Gardenia jasminoides var. mystery	Maple, Red	Acer rubrum
Cedar, Northern white	Thuja occidentalis	Nandina	Nandina domestica
Cedar, Red	Juniperus virginiana	Oak, Live	Quercus virginiana
Cotoneaster	Cotoneaster horizontalis	Oak, Water	Quercus nigra
Crapemyrtle, Common	Lagerstroemia indica	Peach	Prunus persica
Dogwood, Flowering	Cornus florida	Photina	Photina Frazerii
Dogwood, Silky	Cornus amomum	Pieris, Japanese	Pieris japonica
Euonymus	Euonymus alata var. compacta	Pine, Austrian*	Pinus nigra
Fir, Fraser	Abies Fraseri	Pine, Loblolly	Pinus taeda
Fir, White	Abies concolor	Pine, White	Pinus strobus
Forsythia, Border	Forsythia intermedia	Privet, California	Ligustrum ovalifolium
Hemlock, Eastern	Tsuga canadensis	Privet, Japanese	Ligustrum japonicum
Holly, American	Ilex Opaca var. tsuga	Sourwood	Oxydendron arboreum
Holly, Chinese	Ilex cornuta	Spirea	Spirea vanhouttei
Holly, Japanese	Ilex crenate compacta	Spruce, Colorado Blue	Picea pungens
Holly, Yaupon	Ilex vomitoria var. shillings dwarf	Tobira	Pittosporum tobiri
Juniper, Chinese	Juniperus chinensis var. pfitzeriana var. pfitzer aurea	Waxmyrtle, Common	Myrica cerifera
		Yew	Taxus Media
		Yew, Japanese	Taxus cuspidata

\*Do not apply to Austrian Pine in California.

**Platte Chemical Company, Inc.**  
419 18th Street Greeley, CO 80631 U.S.A.