

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

MAR 24 2003

Glenda Haage
Platte Chemical Co.
419 18th St.
Greeley, CO 80631-5852

Dear Ms. Haage:

Subject: Label Amendment
Pendimethalin 0.86% on Fertilizer
EPA Reg. No. 34704-832
Submission dated February 11, 2003

The labeling, referred to above, submitted in connection with the application under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, provided that you make the following changes:

1. Under "Precautionary Statements";

It is recommended that you replace the "chemical resistant gloves" statement with the following:

"chemical resistant gloves made of waterproof materials such as butyl rubber \geq 14 mils, natural rubber \geq 14 mils, neoprene rubber \geq 14 mils, or nitrile rubber \geq 14 mils."

2. Under "Agricultural Use Requirements";

It is recommended that you replace the "chemical resistance gloves" statement with the following:

"chemical resistant gloves made of waterproof materials such as butyl rubber \geq 14 mils, natural rubber \geq 14 mils, neoprene rubber \geq 14 mils, or nitrile rubber \geq 14 mils."

3. Under "Established Ornamental Plants";

Two of the acceptable ornamental plants are listed as "Silky Dogwood and Euonymus." However, they are listed as "Dogwood and Silky Euonymus" in the accepted label of 34704-830. Make sure that correct plant names are listed in the label.

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4. Under the "Notice";

The Agency has not reviewed or accepted the warranty statements. It may need to be changed at a later date.

The amended label supersedes all previously accepted labels. A stamped copy of the revised label is enclosed for your records. Please submit one copy of your final printed label before you release the product for shipment.

Sincerely yours,



Jim Tompkins
Product manager (25)
Herbicide Branch
Registration Division (7505C)

Enclosures

CONCURRENCES

SYMBOL ▶	7505C							
SURNAME ▶	C. Bien							
DATE ▶	3-4-2003							

Pendimethalin 0.86% on Fertilizer

Pre-emergence weed control with quality turf nutrients for golf courses, sod farms, municipal, federal and corporate parks, landscapes, and cemeteries. Recommended for use by turf management firms or grounds maintenance personnel on commercial, ornamental, recreational turf and residential lawns.

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

ACTIVE INGREDIENT:		
Pendimethalin, CAS [40487-42-1]	0.86%
OTHER INGREDIENTS:	99.14%
	TOTAL	100.00%

Refer to fertilizer tag for guaranteed analysis.

KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted 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.)

EPA REG. NO. 34704-832
EPA EST. NO. 34704-FL-1
NET WEIGHT: 50 LBS. (22.68 KG)

IHT EXP 02/03

FIRST AID

IF SWALLOWED:	<ul style="list-style-type: none"> • 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 do by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF IN EYES:	<ul style="list-style-type: none"> • 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:	<ul style="list-style-type: none"> • 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:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an 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.
FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-228-5635, EXT. 136, OR CALL COLLECT, 612-851-8180, EXT. 136.

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; long sleeved shirt and pants, chemical resistant gloves such as barrier laminate, butyl rubber >13 mils polyethylene, or natural rubber >13 mils, shoes plus socks. 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

User 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 cleaning equipment or disposing of equipment wash water. 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. Keep children and pets out of treated areas until dust has settled or turf has dried after "watering in." Do not apply aerially.

AGRICULTURAL USE REQUIREMENTS

Use the product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains the 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) 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 24 hours.
PPE required for early reentry into 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, chemical resistant gloves such as barrier laminate, butyl rubber >13 mils, polyethylene, or natural rubber > 13 mils., shoes plus socks.

PENDIMETHALIN 0.86% ON FERTILIZER EPA REG. NO. 34704-832

NON-AGRICULTURAL USE

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 when this product is used to produce agricultural plants on farms, forests, or nurseries. For other areas of use, it is suggested that applicators and other handlers wear long sleeved shirt, long pants, water-proof footwear, plus socks, waterproof gloves and protective eyewear. Users should wash hands before eating, drinking, using tobacco, using the toilet. Do not allow workers, children, or pets entry to treated areas until dust has settled and the area is dry after watering in.

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 used 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.

Also for use in and around ornamental plantings and ground covers as listed.

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

- Poa Annua
- Barnyardgrass
- Crabgrass (Large, Smooth)
- Foxtail (Yellow, Green)
- Goosegrass
- Fall panicum

Broadleaf Weeds

- Common Chickweed
- Cudweed
- Henbit
- Hop Clover
- Knotweed
- Oxalis
- Prostrate Spurge
- Yellow Woodsorrel

To prevent goosegrass, crabgrass, foxtail, barnyardgrass, 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.

WHEN, WHERE AND HOW MUCH TO USE

For approved established turfgrass species as listed. Do not apply when turfgrass is wet. When applied prior to germination of weeds this product will control weeds as listed here in established Northern and Southern turf grasses. Apply the lower rate where weeds have been sparse. Use a higher rate for turf known or expected to be under heavy weed seed germination pressure.

NORTHERN COOL SEASON TURFGRASS

For Kentucky Bluegrass, Perennial Ryegrass, Fine Fescue, Tall Fescue, Bentgrass and Poa Annua (except putting greens and tees). Apply 2.67 to 4.67 lbs. per 1,000 sq.ft. equivalent to 1.0 to 1.75 lbs. a.i. pendimethalin per acre 7-14 days before expected weed seeds germinate.

SOUTHERN WARM SEASON TURFGRASS

For Bermudagrass (non "winter-overseeded"), St. Augustinegrass, Bahiagrass, Zoysiagrass, Centipedegrass and blends of these grasses. Apply 2.67 to 5.34 lbs. per 1,000 sq.ft. equivalent. 1.0 to 2.0 lbs. of a.i. pendimethalin per acre prior to germination of weed seeds. Where light weed infestations are expected, the lower rates may be used. For extended weed control, a repeat application is recommended.

For best results, irrigate the treated area after application with 1/4 to 1/2 inch water to remove the granules from the foliage and to move the product to the soil surface for an effective chemical herbicide barrier. Do not destroy the chemical herbicide barrier created at the soil surface by raking or aerifying the turf after applying this product.

This product may be used on other types of turf grass in residential lawns and sod farms at a rate not to exceed the maximum of 5.34 lbs. of product per 1,000 sq.ft. (equivalent to 2 lbs. a.i. per acre).

PRECAUTIONS IN USING

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 frost injury). 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 noticeable on low cut Bermudagrass on sandy soils. Where turf thinning or damage has occurred due to winter injury do not make an application until turf has greened up and is growing vigorously. Application to Bermudagrass over seeded with a cool season grass may injure and thin the over seeded variety. Do not apply to Bentgrass or Poa Annua after late summer.

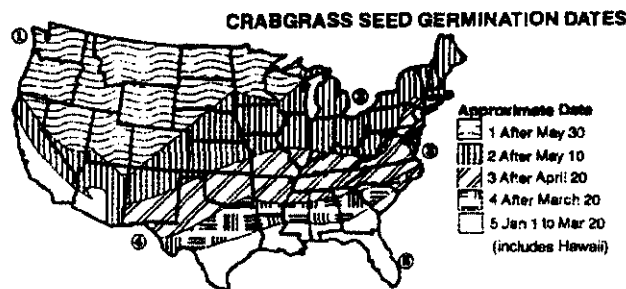
OTHER PRECAUTIONS

For Seeding: Delay seeding 4 months and sprigging by 5 months after application. For best results, the soil surface should be worked (verticut and/or etc.) before planting, to destroy any remaining chemical residue. For newly planted areas; for newly seeded areas, wait until the turf has been mowed up to 4 times and is growing vigorously before application. Do not apply to the same area more than twice in one year. Remove product from sidewalks, stone, patios, etc. Do not apply to cement, stone, etc. If contact occurs to those areas, clothing and shoes, brush off particles as soon as possible to avoid yellow staining. If necessary, rinse with water. If metallic surfaces (golf course equipment, carts, autos, etc.) are present at the application site, do not apply this product under windy conditions (5-10 mph) due to its yellow staining potential.

This product gives preemergence control of crabgrass, chickweed, foxtail, goosegrass, knotweed, oxalis, Poa Annua, and spurge.

Quick Greening and Extended Feeding
 Recommended for professional turf care managers.
 See section for ornamental plants and ground covers.

Approximate crabgrass germination dates.



PRECAUTIONS IN USING

Do not apply to or allow product contact with areas of cement, or stone, clothing or shoes. If contact occurs, brush off particles to prevent staining. If necessary rinse with water. Exercise caution or, do not apply under windy conditions (5-10 mph) when metallic surfaces (automobiles, etc.) are in the area, as product wind drift may stain those surfaces.

SPREADER SETTINGS

These spreader settings are based on the fertilizer blend which has been selected for your turfgrass. To check for your spreader settings refer to your spreader manual details and apply enough product to cover 500 sq.ft. (10'x50') based on the amount of active ingredient of this product you wish to apply per acre ranging from 1.0 lb. per acre up to 2 lbs. per acre. Record and adjust your spreader settings accordingly. Do not apply this product unless your spreader is properly calibrated.

Spreader	Recommended pounds of this product to apply per 1,000 sq.ft. = to pounds of active ingredient per acre.				
	2.67# = 1.0	3.31# = 1.24	4.00# = 1.5	4.67# = 1.75	5.34# = 2.0
Scotts Drop	xxx	xx	xx	xx	xx
Gandy 30"	xx	xx	xx	xx	xx
Scotts Rotarys					
R-7, R-7x	x	x	x	x	x
R-8, R-8A	x	x	x	x	x
Lely Models	xx	xx	xx	xx	xx
Deere	xx	xx	xx	xx	xx

(Label NOTE from Ed: x's in the above chart will be changed to actual applicable spreader settings on the product bag to correspond to the density of product related to the plant food contents.)

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FOR USE AROUND ORNAMENTALS

In ornamentals, remove established weeds to prevent further weed seeding. Smooth soil surfaces or mow beneath, around, and in, the planting before application. Apply 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 move the herbicide down to soil surface.

When moderate weed seed germination is expected, apply 2.67 lbs. per 1,000 sq.ft. = 1 lb. a.i. per acre.

For heavy expected weed seed germination, apply 5.34 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

Capweed
Daisy, Trailing African
Gazania
Rose-of-Sharon
Icelandic, Large leaf
Ivy, English
Ivy, Germanium
Myoporum
Pachysandra
Potentilla spp.
Potentilla spp.

Scientific Name

Arctotheca calendula
Osteospermum fruticosum
Gazania splendens
Hypericum calycinum
Carpobrotus edulis
Helix hederia
Pelargonium peltatum
Myoporum parviflorum
Pachysandra terminalis
Potentilla Jackmanii
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 plants and that there are not 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

Abelia, Glossy

Ash, Red
Azalea
Barberry

Birch, Weeping
Birch, River
Boxwood
Capejasmine

Cedar, Northern white
Cedar, Red
Cotoneaster
Crapemyrtle, Common
Dogwood, Flowering
Dogwood, Silky
Euonymus

Fir, Fraser
Fir, White
Forsythia, Border
Hemlock, Eastern
Holly, American
Holly, Chinese
Holly, Japanese
Holly, Yaupon

Juniper, Chinese

Juniper, Shore
Juniper, Trailing

Laurel, Mountain

Scientific Name

Abelia grandiflora
var. grandiflora
Fraxinus pennsylvanica
Rhododendron indicum
Berberis thunbergii
var. atropurpurea
Betula pendula
Betula nigra
Buxus sempervirens
Gardenia jasminoides
var. mystery
Thuja occidentalis
Juniperus virginiana
Cotoneaster horizontalis
Lagerstroemia indica
Cornus florida
Cornus amomum
Euonymus alata
var. compacta
Abies Fraseri
Abies concolor
Forsythia intermedia
Tsugua canadensis
Ilex Opaca var. tsugua
Ilex cornuta
Ilex crenata compacta
Ilex vomitoria
var. shillings swarf
Juniperus chinensis
var. pfitzeniana
var. pfitzer burae
Juniperus conferta
Juniperus horizontalis
var. plumosa
var. prince of wales
var. youngstown
Kalmia latifolia

Lilac, Common
Locust, Honey

Maple, Red
Nandina
Oak, Live
Oak, Water
Common Name
Peach
Photinia
Pieris, Japanese
Pine, Austrian*
Pine, Loblolly
Pine, White
Privet, California
Privet, Japanese
Sourwood
Spirea
Spruce, Colorado Blue
Tobira
Waxmyrtle, Common
Yew
Yew, Japanese

Syringa vulgaris
Gloditsia Triacanthos
var. inermis
Acer rubrum
Nandina domestica
Quercus virginiana
Quercus nigra
Scientific Name
Prunus persica
Photinia Frazarii
Pieris japonica
Pinus nigra
Pinus taeda
Pinus strobus
Ligustrum, ovalifolium
Ligustrum japonicum
Oxydendron arboreum
Spirea vanhouttei
Picea pungens
Pittosporum tobira
Myrica cerifera
Taxus Media
Taxus cuspidata

*Do not apply to Austrian Pine in California.

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.

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.

34704-832

MAR 24 2003

PLATTE CHEMICAL CO.
419 18TH STREET, GREELEY, COLORADO 80631-5862