

9198-173

07/16/2003

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

JUL 16 2003

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Dawn L. Walters
The Andersons Lawn Fertilizer Division, Inc.
P.O. Box 119
Maumee, OH 43537

Dear Ms. Walters:

Subject: Andersons Fertilizer Plus Preemergent Weed Control
EPA Registration Number 9198-173
Application Dated 6/18/2003

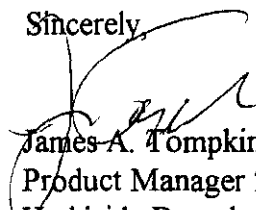
The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act as amended is acceptable, provided you make the following changes before you release the product for shipment.

1. Add "May be harmful if swallowed" to precautionary statements.
2. Change the order of precautionary statements to match the order of first aid statements, and organize both so that the order of the most severe routes of exposure are listed first.
3. Increase signal word size to 18 point font.
4. It is recommended that spray drift control statements are added that state:
"Do not allow 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."
5. Change "Storage" to "Pesticide Storage" under STORAGE AND DISPOSAL.

Please note that the name change from "Anderson Fertilizer Plus 0.86% Pendimethalin" to "Andersons Fertilizer Plus Preemergent Weed Control" is acceptable.

Submit three (3) copies of final printed labeling incorporating the above changes before you release the product for shipment. Amended labeling will supercede all previously accepted ones. A stamped copy of labeling is enclosed for your records.

Sincerely,


James A. Tompkins, haj
Product Manager 25
Herbicide Branch
Registration Division (7505C)

ANDERSONS Fertilizer Plus Preemergent Weed Control

FRONT PANEL:

- preemergent control of crabgrass, goosegrass, foxtail, chickweed, oxalis, spurge, knotweed and *Poa annua*
- Provides a feeding of potassium
- provides quick green-up plus extended feeding with controlled release SREF nitrogen (slow release encapsulated fertilizer)
- Controlled release Poly-S® nitrogen provides uniform growth with extended feeding
*A portion of the urea has been coated to provide 2.5% coated slow-release nitrogen.
- readily available potassium
- provides readily available iron
- provides a feeding of nitrogen and potassium
- provides a one-to-one feeding of nitrogen and potassium
- contains pendimethalin for season-long broad spectrum weed control
- small particle formulation provides high particle count for better herbicide distribution
- contains XX% Poly-S® nitrogen for controlled release nutrient release
- premium formula, designed for golf course use
- contains potassium for turf stress resistance

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals: CAUTION, causes moderate eye irritation. Harmful if absorbed through the skin. Avoid contact with eyes, skin, or clothing.

FIRST AID

If swallowed: Call a poison control center immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. 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 an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling poison control center or doctor, or going for treatment. You may also contact 1-800-757-8951 for emergency medical treatment information.

Personal Protective Equipment

Some of the materials that are chemical resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart. Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride, shoes plus socks.

ACCEPTED
with COMMENTS
In EPA Letter Dated

JUL 15 2003

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

9198-173

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Follow manufacturer's instructions for cleaning/maintaining personal protection equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash personal protection equipment 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 immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Engineering Controls

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Environmental Hazards: This pesticide 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. Runoff, from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of wastes. In case of spills, either collect for use or dispose of properly.

ACTIVE INGREDIENT:	
Pendimethalin†	0.86%
INERT INGREDIENTS:	<u>99.14%</u>
Total	100.00%

†CAS #40487-42-1
EPA Reg. No. 9198-173
EPA Est 538-OH-1S, 9198-OH-1M, 9198-OH-2B, 9198-AL-001A, 9198-PA-001P
Underlined letter used is first letter of run code on end of bag

SGN XXX
Treats up to XXXXX Square Feet
Net Weight XX.XX lbs. (XX.X kg)

GUSSETS

Andersons Golf Products logo Andersons Fertilizer plus Preemergent Weed Control

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BACK PANEL:

Guaranteed Analysis

Total nitrogen (N).....	XX%
XX% ammoniacal nitrogen	
XX% urea, methylene ureas nitrogen	
XX% water insoluble nitrogen	
Available phosphate ((P ₂ O ₅).....	X%
Soluble potash (K ₂ O).....	X%

Derived from:

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.regulatory-info-ap.com>

Product of USA

U.S. Patent No's 3,705,794; 3,989,470

*Licensed under one or more of the following U.S. Patents: 3,920,742; 4,066,441

The Andersons Lawn Fertilizer Division, Inc.
PO Box 119
Maumee, OH 43537

Prevents sprouting of the following grassy and dicot weeds and provides [a feeding of potassium —OR— a controlled-release nitrogen feeding]:

Grassy Weeds

- crabgrass
- foxtail
- goosegrass
- Poa annua*
- barnyardgrass
- fall panicum

Dicot Weeds

- chickweed
- oxalis
- knotweed
- prostrate spurge
- purslane
- cudweed
- hop clover
- henbit
- eveningprimrose

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.

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AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Workers Protection Standard 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses 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 interval. 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 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, chemical resistant gloves made of any waterproof material, shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to use of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The Worker Protection Standard applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried or dusts have settled.

For use on established turfgrasses including bentgrass, bermudagrass, and *Poa annua* (except putting greens and tees), Kentucky bluegrass, perennial ryegrass, fine fescue, tall fescue, St. Augustinegrass, bahiagrass, zoysiagrass, centipedegrass and blends of the grasses. See "Bermudagrass, Bentgrass and *Poa annua* Precautions" and "Limitation of Liability" statements.

Not for use on bentgrass, *Poa annua* and bermudagrass putting greens and tees, or on dichondra. Where bentgrass, bentgrass-containing turf and *Poa annua* are the desired species, a light rate application only is recommended.

How/When to Use

For control of annual grassy and broadleaf weeds such as crabgrass, goosegrass, foxtail, barnyardgrass, fall panicum, *Poa annua*, oxalis, knotweed, purslane, and prostrate spurge, apply in spring before they sprout.

To prevent *Poa annua* and fall germinating chickweed, apply product to dry foliage in late summer/early fall (before germination). Repeat application yearly for continued control. A repeat application made after *Poa annua* treatment should not be sooner than 4 months.

Where lower infestations are expected, the lighter rates may be used.

Apply product uniformly to dry foliage at the suggested rate with a properly calibrated spreader. For best results, water after application ($\frac{1}{4}$ - $\frac{1}{2}$ inch) to remove granules from the foliage and to move the product to the soil surface for an effective chemical barrier. Do not destroy the chemical barrier created at the soil surface by raking or aerifying as a segment to application. Allow at least a four-month space between the applications except when repeat applications are necessary after 6-8 weeks.

Do not mow treated area until product has been watered in and turf foliage has dried.

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Precautions

Do not use on bentgrass, *Poa annua* and bermudagrass putting greens and tees, or on dichondra. Where bentgrass and bentgrass-containing turf and *Poa annua* are the desired species, a light rate application only is recommended.

On cool season turfgrasses avoid applications when temperatures are regularly in the 80's.

This product may cause discoloration and thinning where overapplications have been made if the turfgrass is under severe stress conditions (disease, drought, low temperature – below 40°F, scalping, and excessive soil moisture).

Do not apply to dormant bentgrass and *Poa Annua* (turf that is not actively growing or has experienced frost).

When any preemergence herbicide is applied to dormant bermudagrass, green-up may be delayed 2 to 3 weeks in the spring. The delay in green-up may be extensive in low-cut bermudagrass and on sandy soils.

As with most other preemergence herbicides, application of this product to bermudagrass overseeded with cool season turfgrass species may injure and thin the overseeding.

Do not apply to bentgrass of *Poa annua* after late summer.

Avoid application to cement, stone, clothing or shoes. If contact occurs, brush off particles to prevent staining. If necessary, rinse with water.

If metallic surfaces (golf course equipment, automobiles, etc.) are present at the application site, do not use this product under windy conditions (5-10 MPH) due to its staining potential.

Do not contaminate feed or foodstuffs. Do not graze treated areas. Do not feed clippings to livestock.

Properties of All Dinitroaniline (DNA) Products

May cause temporary slowing of turf fill-in and stolon-rhizome rooting where turf has been thinned.

Requires a waiting period before seeding or sprigging.

Seeding or Sprigging Intervals after Treatment

Delay reseeding or winter overseeding for at least 3 months and sprigging by 5 months after application. Prior to planting, for best results, the soil surface should be disturbed or worked to dilute any remaining chemical residue.

Treatment Interval after Seeding or Sprigging

On newly planted areas, wait until the grass has been mowed at least 4 times and has filled in before making an application.

Notes

Do not apply more than a cumulative total of 349 lbs. of product/acre (3.0 lbs. active ingredient/acre) per year on bentgrass and *Poa annua*; 698 lbs. of product/acre (6.0 lbs. active ingredient/acre) per year on cool season turfgrass; and 1,046 lbs. of product/acre (9.0 lbs. active ingredient/acre) per year on warm season turfgrasses.

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Turfgrass Species	Weeds	Rates	Comments
Cool Season Grasses Kentucky bluegrass Perennial ryegrass Fine fescue Tall fescue	Crabgrass Foxtail <i>Poa annua</i> Barnyardgrass Fall panicum Oxalis Prostrate spurge Purslane Knotweed Chickweed	175 – 233 lbs./acre as the initial application prior to weed germination	Apply a repeat application of 145 – 175 lbs/acre after 6 – 8 weeks for extended control or where heavy weed infestations are expected
	Goosegrass	175 – 233 lbs./acre in the spring prior to weed germination. Apply a repeat application after 6 – 8 weeks at 175 – 203 lbs./acre	
Bentgrass and established <i>Poa Annua</i> (1/2 inch height or taller. Not for use on greens and tees)	Crabgrass Foxtail <i>Poa annua</i> Barnyardgrass Fall panicum Oxalis Prostrate spurge Purslane Knotweed Chickweed	175 lbs./acre in the spring prior to weed germination	Apply a repeat application of 145 – 175 lbs/acre after 6 – 8 weeks where heavy weed infestations are expected
	Goosegrass	175 lbs./acre in the spring prior to weed germination with a repeat application of 175 lbs./acre after 6 – 8 weeks	

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Turfgrass Species	Weeds	Rates	Comments
<p>Warm Season Grasses</p> <p>Bermudagrass St. Augustinegrass Bahagrass Zoysiagrass Centipedegrass (401 lbs./acre rate or less) Tall fescue</p> <p>(Not for use on greens and tees)</p>	<p>Crabgrass Foxtail <i>Poa annua</i> Barnyardgrass Fall panicum Oxalis Prostrate spurge Purslane Knotweed Chickweed</p>	<p>175 – 233 lbs./acre prior to weed germination</p> <p>OR (OPTIONAL WORDING) 233 lbs./acre may be used prior to weed germination with a repeat application of 175 lbs./acre after 4 months where weeds germinate over an extended period. (Do not use this high rate on centipedegrass)</p>	<p>Apply a repeat application of 145 – 175 lbs./acre after 6 – 8 weeks for extended control or where heavy weed infestations are expected</p>
	<p>Goosegrass Cudweed Hop clover Evening-primrose Henbit</p>	<p>175 – 233 lbs./acre prior to weed germination with a repeat application of 175 – 233 lbs./acre after 6 – 8 weeks.</p>	
<p>OR (NOTE TO EPA – OPTIONAL WORDING)</p>			
	<p>Goosegrass</p>	<p>175 – 233 lbs./acre prior to weed germination</p>	<p>Apply a repeat application of 175 – 233 lbs./acre to extend control of goosegrass or if the lower rate was used initially</p>
	<p>Cudweed Hop clover Evening-Primrose Henbit</p>	<p>175 - 233 lbs./acre prior to weed germination</p>	<p>Apply a repeat application of 145 – 203 lbs./acre after 6 – 8 weeks if the lower rate was used initially</p>

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Storage and disposal

Do not contaminate water, food or feed by storage or disposal.

STORAGE: Store in a clean, dry place. Reseal opened bag by folding top down and securing.

PESTICIDE DISPOSAL: Do not contaminate water, food, or feed by storage or 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 or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

<p align="center">Suggested Spreader Settings To provide proper distribution calibrate spreader before application. Do not adjust rates in order to meet fertilizer requirements of your soil.</p> <p align="center">XX lbs. treat XX,XXX ft² at the XXX lbs product/acre rate (equivalent to 1.75 lbs active ingredient/acre and X lbs N/1,000 sq ft)</p>						
			<p align="center">RECOMMENDED RATE RANGE (lbs.product/acre) or (lbs prouduct/1,000 sq ft)</p>			
SPREADER	GROUND OR PTO SPEAD	WIDTH OF COVERAGE	145 or 3.32	175 or 4.01	203 or 4.66	233 or 5.35
Gandy – 30"	X mph	Overlap wheels	X	X	X	X
Andersons Rotaries* R-7, R-7X Scotts Rotaries* R-8, R-8A (cone 8)	X mph	XX feet	X	X	X	X
Lely Model	X mph	XX feet	X	X	X	X
Vicon	X mph	XX feet	X	X	X	X

*Use discharge hole cover #13030 (already attached to the PT-10 and PT-11 models).
For the R-7X model use with adjustable pattern slide ¼ closed.

Lely models WTR, WFR, HR and 1250. PT) a t 450 rpm.

Note to EPA: actual spreader models may vary depending on market demand and availability .

Optional: (depending on market)

Metric coverage: 34.36 kg treats 1022 m² at the 301 lbs product/acre rate

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IMPORTANT: READ BEFORE USE:

Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or Buyer accepts the following Warranty Disclaimer and Limitation of Liability:

WARRANTY DISCLAIMER and LIMITATION of LIABILITY:

Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Where permissible, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS. Use contrary to label directions is not permitted.

LEGAL RIGHTS:

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION. (RVamd061803)

Manufactured by:

The Andersons Lawn Fertilizer Division, Inc.
D/b/a Free Flow Fertilizer
PO Box 119
Maumee, OH 43537

Visit us at our website at: andersonsinc.com OR andersonsgolfproducts.com

Date Printed	6/18/03
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Label Changes	Amendment – delete rec for pro mgr, update est, spreaders, response epa ltr
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