

Reg # 45639-153

PM-21

File
196



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

MAR 4 1994

Kenneth W. Chisholm
NOR-AM CHEMICAL CO.
Little Falls Centre One
2711 Centerville Road
Wilmington, DE 19808

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 10/20/93 in Response to PR Notice 93-7
EPA Reg. No. 45639-153
PROSTAR 50WP

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

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i.i.b

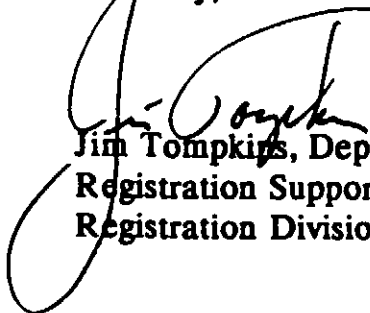
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

SPECIMEN LABEL

396
Revised WPS Label

ACCEPTED
with COMMENTS
In EPA Letter Dated

MAR 4 1994

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

45639-153

BEST AVAILABLE COPY

ProStar® 50WP

FUNGICIDE

For Use On Turf

ACTIVE INGREDIENT:

N-[3-(1-methylethoxy) phenyl]-2-(trifluoromethyl) benzamide 50.3%

INERT INGREDIENTS:

49.7%
TOTAL 100.0%

EPA Reg. No. 45639-153

EPA Est. No. 477-MD-001

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

NOR-AM

NORAM CHEMICAL COMPANY
A Division of Nippon Nohyaku Co., Ltd.

SPECIALTY PRODUCTS DIVISION
Little Falls Centre One
2711 Century II Road
Washington, DE 19808

NET CONTENTS:

Manufactured under license from Nihon Nohyaku Co., Ltd., Tokyo, Japan.

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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.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- ☐ Long-sleeved shirt and long pants
- ☐ Waterproof gloves
- ☐ Shoes plus socks

USER SAFETY RECOMMENDATIONS

Do not eat, drink, smoke, or chew gum or tobacco while handling this product and until hands and face are thoroughly washed with soap and water. Do not use the toilet before thoroughly washing hands.

If this product penetrated through your clothing or personal protective equipment, stop handling this product immediately, remove the clothing and equipment, wash your body thoroughly, and put on clean clothing and equipment before resuming the handling activity.

After handling this product, remove personal protective equipment immediately. Wash the outside of gloves before taking them off. Shower or wash thoroughly and change into clean clothing as soon as possible.

Discard clothing and personal protective equipment that cannot be reused, including clothing and other absorbent materials that have been drenched or thoroughly contaminated with this product's concentrate. Otherwise, wash clothing and personal protective equipment (including both the inside and outside of gloves) before each day of reuse according to manufacturers directions or, if no such directions, in detergent and hot water. Keep and wash them separately from other laundry.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates. For terrestrial uses, do not apply to water, areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

IN CASE OF FIRE, LEAKY, OR DAMAGED CONTAINERS, OR OTHER EMERGENCY, REPORT AT ONCE BY TOLL-FREE TELEPHONE TO: 800-424-9300.

This labeling **MUST** be in possession of the user at the time of pesticide application.

Do not apply this product through any type of irrigation system.

This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination. Following application and during rainfall events that cause runoff, this chemical may reach surface water bodies including streams, rivers, and reservoirs.

STORAGE AND DISPOSAL

STORAGE: Store in a cool, dry place.

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: TRIPLE RINSE (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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, 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.

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 in your State responsible for pesticide regulation.

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
- ☐ Gloves
- ☐ Shoes plus socks

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 when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

GENERAL INFORMATION

ProSTAR® 50WP is a systemic fungicide recommended for control of diseases of turf caused by Basidiomycetes. This product should be used particularly for control of *Rhizoctonia* Brown Patch, and has excellent safety on Kentucky bluegrass, creeping bentgrass, perennial ryegrass, red fescue, tall fescue, bermuda grass, St. Augustine grass, and zoysia grass.

APPLICATION AND DOSAGE: Apply the recommended amount of ProSTAR 50WP in 2 to 5 gallons of water per 1,000 square feet, unless otherwise specified. For best results, spray the treated area uniformly, using equipment such as flat fan nozzles. Use 50 mesh or larger screens. Avoid mowing for 24 hours after application and do not irrigate until spray has dried on grass, unless otherwise noted. When non-labeled diseases are also present, ProSTAR 50WP may be tank-mixed with appropriate labeled fungicides if the products are physically compatible.

DOSAGE TABLE*

Disease	Rate of ProSTAR 50WP/1000 sq. ft.	Timing
Brown Patch (Preventative)	2-3 oz.	14-21 days
(Curative)	3 oz.	14 days
Red Thread/Pink Patch		
Yellow Patch/Southern Blight	2 oz.	21-28 days
Fairy Ring	6 oz.	30 days
Gray Snow Mold	4-6 oz.	Prior to Permanent Snow-cover
Large Brown Patch	3 oz.	30 days

* See specific directions for each disease below:

BROWN PATCH (*Rhizoctonia solani*):

Preventative: Apply 2.0 to 3.0 oz. of ProSTAR 50WP per 1,000 square feet in 2 to 5 gallons of water prior to initial signs of disease development. Repeat after a 14-21 day interval if conditions favor disease development.

Curative: Apply 3 oz. of ProSTAR 50WP per 1000 square feet in 2-5 gallons of water to turf with active brown patch. Make a second application 14-21 days later, if conditions favor disease development.

Tank-Mixes:

- ▲ ProSTAR 50WP does not control dollar spot. If *Sclerotinia* dollar spot and brown patch occur simultaneously, tank-mix ProSTAR 50 WP at 2 oz. per 1000 square feet in 2-5 gallons of water with Bayleton® 25 Turf and Ornamental Fungicide at 1 oz. per 1000 square feet to control both diseases. Repeat application 21-28 days later if needed.
- ▲ ProSTAR 50WP does not control grey leaf spot, *Curvularia* leaf spot, or algae. In areas where these problems occur simultaneously with brown patch, tank-mix appropriate fungicides at recommended rates with ProSTAR 50 WP.

RED THREAD (*Laetisaria fuciformis*), PINK PATCH (*Limonomyces roseipellis*), YELLOW PATCH (*Rhizoctonia cerealis*), and SOUTHERN BLIGHT (*Sclerotium rolfsii*): Apply 2.0 oz. ProSTAR 50WP per 1,000 square feet in 2 to 5 gallons of water prior to or after initial signs of disease development and repeat after 21-28 days if needed.

FAIRY RING (including *Marasmius* spp., *Lepiota* spp., *Agaricus* spp.): ProSTAR 50WP, applied at 6 oz./1000 square feet in 10-50 gallons of water per 1000 square feet may suppress the development of fairy ring caused by various basidiomycete pathogens. Application should be made as a spot treatment to the affected area at the first sign of ring development (greening, death of turf, mushrooms). Symptom suppression may be temporary and symptoms may re-occur. In these cases, a second application at 6 oz./1000 square feet is suggested, not less than 30 days after the first application. Aerification prior to subsurface applications has been beneficial in some cases. Use of a non-ionic surfactant in combination with ProSTAR 50 WP is recommended. Treated areas should be irrigated prior to and after application with sufficient water to maintain growth of turf. Disease control is improved if turf is maintained at optimum fertility levels after symptom development. Turf that has been damaged extensively by fairy ring development may have to be re-seeded. Do not treat more than 10,000 square feet per acre of turf area.

GRAY SNOW MOLD (*Typhula* spp.): Apply 4-6 oz. of ProSTAR 50WP per 1,000 square feet of green or tee area in 2 to 5 gallons of water in the fall prior to permanent snow-cover. Use of a wetting agent has proven beneficial. If Pink Snow Mold (*Fusarium nivale*) is also suspected, ProSTAR 50WP may be tank-mixed with products labeled for control of that disease. Prior to application, both products should be mixed in small volumes to ascertain physical compatibility. Do not treat more than 10,000 square feet per acre of turf area.

LARGE BROWN PATCH (*Rhizoctonia solani*) of ZOYSIA GRASS (formerly Zoysia Patch): Apply ProSTAR 50WP in the fall or spring for control of large brown patch on zoysia grass. Disease control is more effective if made prior to or after initial symptom development. Apply 3 oz. of ProSTAR 50WP per 1000 square feet in 2-5 gallons of water and repeat 30 days later if symptoms persist. A non-ionic surfactant is recommended for best results. Fall applications may suppress disease development in the following spring.

USE PRECAUTIONS

For use rates over 3 oz. per 1,000 square ft., do not apply within 100 ft. of any estuary or marine habitat or within 100 feet of any ditches, drainage tiles, or other waterways that drain directly into (within 1/2 mile) estuaries or marine habitats.

Apply no more than a combined total of 6 oz. per 1000 square ft. as a broadcast application during a single growing season.

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IMPORTANT: READ BEFORE USE

By using this product, user or buyer accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather and soil conditions, manner of use and other factors beyond NOR-AM Chemical Company's control, it is impossible for NOR-AM to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OR MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of NOR-AM Chemical Company is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. UNDER NO CIRCUMSTANCES SHALL NOR-AM CHEMICAL COMPANY BE LIABLE FOR ANY SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES, OR DAMAGE RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT NOR-AM'S ELECTION, THE REPLACEMENT OF PRODUCT.

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Replaces ProS-SL-15M-(930809)-Rev. 9/93
Revisions include:

☐ Worker Protection Standards
DISCARD PREVIOUS LABELS!