



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

EPA Reg.
Number:
45639-
153

Date of Issuance:
August 9,
1993

NOTICE OF PESTICIDE:
☒ Registration
☐ Reregistration

(under FIFRA, as amended)

Term of Issuance:
Conditional

Name of Pesticide Product:
Prostar 50WP

Name and Address of Registrant (include ZIP Code):

NOR-AM Chemical Co.
Little Falls Centre One
2711 Centerville Road
Wilmington, DE 19808

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 data required in this Notice of Registration within the deadlines stated. The studies must be conducted in accordance with the Good Laboratory Practice Standards, 40 CFR Part 160 and appropriate test guidelines as referenced in EPA's Data Requirements for Registration Regulations, 40 CFR Part 158.

a. Within 15 months of the date of registration (by 12-9-94), submit to EPA, the Fish Early Life Stage and Aquatic Invertebrate Lifecycle Study (Guideline # 72-4).

b. Within 24 months of the date of registration (by 8-9-95), submit to EPA the Avian Reproduction Study (Guideline #71-4).

c. Within 24 months of the date of registration (by 8-9-95), submit to EPA the Small Scale Prospective Study on Worst Case Environment (Guideline # 166-1).

Signature of Approving Official:

Clarence D. Lewis, Jr.

Date:

AUG 9 1993

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2. Make the following label change before you release the product for shipment: Add the phrase "EPA Registration No. 45639-153."

3. Under the Environmental Hazards section add the following surface water advisory statement: "Following application and during rainfall events that cause runoff, This chemical may reach surface water bodies including streams, rivers and reservoirs".

Note that this acceptance of your label does not relieve you of your obligation to comply with the Worker Protection Standard (WPS). If any of your products are covered by the WPS, you are required to submit, and receive the Agency's approval by April 21, 1994, of a revised label reflecting the required label statements of 40 CFR 156, published in the FEDERAL REGISTER of August 21, 1992 (57 FR 38102). Under the WPS labeling regulations at 40 CFR 156, subpart K, § 156.200(c)(3), you are prohibited from distributing or selling any product within the scope of the WPS requirements after April 21, 1994, without amended labeling accepted by the Agency.

Submit five copies of the revised final printed label for the record.

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.

Sincerely,



Clarence O. Lewis, III
Acting Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (H7505C)

Enclosure

ACCEPTED
with COMMENTS
in EPA Letter Dated:

AUG 09 1993

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide
registered under EPA Reg. No. 45639-153

ProStar® 50WP

FUNGICIDE
For Use On Turf

ACTIVE INGREDIENT:	Percent by Weight
N-[3-(1-methylethoxy) phenyl]-2-(trifluoromethyl) benzamide	50.3%
INERT INGREDIENTS:	49.7%
TOTAL	100.0%

EPA No. 45639-153

EPA Est. No. 477-MD-001

PRECAUTION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicada ampliamente.

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF ON SKIN: Wash with plenty of water. Get medical attention if irritation occurs.

IF IN EYES: Flush eyes with plenty of water. Call a physician immediately.

NOR-AM

NOR-AM Chemical Company

SPECIALTY PRODUCTS DIVISION
1000 E. 10th Avenue
Denver, CO 80202
Tel: (303) 733-1000

NET CONTENTS:

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. Wash thoroughly with soap and water after handling.

Environmental Hazards: This product is toxic to aquatic invertebrates. For terrestrial uses, do not apply directly 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.

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.

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) (Curative)	2-3 oz. 3 oz.	14-21 days 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 days later and a subsequent 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 gray 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. Do not treat more than 10,000 square feet per acre of turf area. In these cases, a second application at 6 oz./1000 square feet is suggested, not less than 30 days after the first application. Aeration 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.

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GRAY SNOW MOLD (*Typhula* spp.): Apply 4-6 oz. ProSTAR 50WP per 1,000 square feet of green or tee area in the fall prior to permanent snow-cover. Do not treat more than 10,000 square feet per acre of turf area. 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.

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 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.

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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