

US EPA ARCHIVE DOCUMENT

2,4-D/TOX

404

(50)

Releasable
315

DATE: May 21, 1981

SUBJECT: Proturf Fertilizer Plus Dicot Weed Control
EPA Registration No. 538-33

FROM: Sherell A. Sterling
FHB/TSS

Handwritten notes:
5/21/81
E 5/29/81

TO: Richard Mountfort
Product Manager (23)

Registrant: O. M. Scott & Sons Company
Marysville, OH 43041
Attn: Michael P. Kelty

Active Ingredients:
2, 4-Dichlorophenoxyacetic acid..... 1.37%
Dicamba..... 0.45%
Inert Ingredients..... 98.18%

Background

An Eye Irritation study was submitted in order to substantiate a change in signal word from CAUTION to WARNING. The study was conducted by Raltech Scientific Services, Inc. of Madison, Wisconsin. The method of support is alternate.

Recommendations

1. The Eye Irritation study is considered adequate and acceptable for registration purposes.
2. Based on the Eye Irritation ^{study} submitted, FHB/TSS agrees that the signal word must be revised from CAUTION to WARNING. Other labeling revisions are noted below.

Labeling Recommendations

1. The "Hazards to Humans and Domestic Animals" statement must be revised as follows (or similarly):

WARNING. Causes substantial but temporary eye injury. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. Avoid inhalation. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Statement of Practical Treatment: If in eyes: Flush with plenty of water. Get medical attention.

2. Under the "Environmental Hazard" section, please change "Keep out of lakes, streams, or ponds" to "Do not apply directly to water".
3. On the back panel under the "Directions for Use" we suggest that the word "PRECAUTIONS" be changed. Suggested alternate headings are "Notice" or "Note Carefully". This revision will avoid any confusion with the required Precautionary Statements.
4. Please see the enclosed "Storage and Disposal" sheets on format and acceptable statements for this section of labeling, and revise the proposed ^{statements} accordingly.

Review

1. Primary Eye Irritation; Raltech #806240; October 21, 1980; Acc. No. 244959

Procedure: 9 New Zealand white rabbits each received 0.1 g of "F8481" in one eye. Three of the eyes were washed for one minute with lukewarm water no sooner than 30 seconds after administration of the test substance. Scoring according to Draize's method at 24, 48, 72 hours; 4, 7, 14, 21 days.

Results: The unwashed eyes at 24 hours exhibited corneal opacity in all eyes ranging between 7.5 - 15; 5/6 with corneal epithelial peeling; iris irritated with injection in 6/6 = 5; redness in 6/6 = 2 with blanching in 1/6; chemosis in 4/6 = 2, 1/6 = 2.5; 2/6 with purulent discharge and 3/6 with clear discharge. At day 7, corneal opacity in 3/6 ranging from 3.75 - 10 with pannus; 1/6 with corneal epithelial peeling and piling. Only irritation in unwashed eyes was minimal corneal opacity (1/6 = 3).

Washed eyes at 24 hours exhibited corneal opacity in 1/3 = 5; conjunctival redness in 3/3 = 1.5; chemosis in 2/3 = 1, clear discharge in 1/3 = 1. At day 7, redness in 1/3 = 1; clear discharge in 1/3 = 1.5. All eyes were clear by day 14.

Study Classification: Core Guideline Data.

Toxicity Category: II - WARNING. Pannus observed in half of the "unwashed" group at 7 days.

FRONT:

4/16/80 DR/hs
3/31/81 DR/hs

(Scotts (R))
ProTurf
Brand

36-0-0
Fertilizer Plus Dicot Weed Control

- . provides postemergence dicot weed control
- . provides controlled release nitrogen feeding

NET WEIGHT 55 LBS (24.95 kg)

KEEP OUT OF REACH OF CHILDREN
WARNING
PRECAUTIONARY STATEMENTS

Hazard to Humans and Domestic Animals: WARNING, causes eye irritation. Do not get in eyes, on skin, or on clothing. In case of contact immediately wash eyes with plenty of water. Get medical attention if irritation persists. Harmful if swallowed. Avoid inhalation. Do not contaminate feed or foodstuffs.

Environmental Hazards: Keep out of lakes, streams, or ponds. Do not contaminate water used for irrigational and domestic purposes. Avoid application on garden plants, flowers, trees, and shrubs. Keep away from rootzone areas of shrubs and the branch spread of trees.

ACTIVE INGREDIENTS:

2,4-Dichlorophenoxyacetic acid	1.37%
Dicamba (2-Methoxy-3,6-dichlorobenzoic acid)	0.45%

INERT INGREDIENTS:	TOTAL	98.18%	100.00%
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EPA Reg No 538-33

EPA Est 538-OH-1

ProTurf Fertilizer Plus Dicot Weed Control 36-0-0

Guaranteed Analysis

Total nitrogen (N)	35%
24% water soluble nitrogen	
12% water insoluble nitrogen	

Derived from urea and methylene ureas.

Con't

FRONT Con't:

U S Process Pat Nos 3,231,363; 3,705,794 and 3,989,470

Product of USA

ProTurf Division

The O M Scott & Sons Co

Marysville, Ohio 43040

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For Professional Use Only

8429

36-0-0
Fertilizer Plus Dicot
Weed Control

GUSSETS:

(Scotts (R))
ProTurf
Brand

36-0-0
Fertilizer Plus Dicot
Weed Control

8429

36-0-0
Fertilizer Plus Dicot
Weed Control

(Scotts (R))
ProTurf
Brand

8428

BACK:

36-0-0 Fertilizer Plus Dicot
Weed Control

8429

(Scotts (R))
ProTurf
Brand

36-0-0
Fertilizer Plus Dicot
Weed Control

DIRECTIONS FOR USE

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

Not for use on golf course putting greens.

Fertilizes grass, controls these rosette and vining weeds:

black medic
buckhorn
buttonweed
chickweed, common
chickweed, mouse-ear
clover
cudweed
curly dock
dandelion

English daisy
filaree
ground ivy
healall
henbit
horseweed
knotweed
lambquarters
pennywort

pepperweed
pigweed
plantain
prickly lettuce
purslane
ragweed
sheep sorrel
shepherdspurse
yellow rocket

FOR USE ON TURFGRASS AREAS OTHER THAN PUTTING GREENS

Use at the RECOMMENDED RATE or twice over at the HALF RATE when weeds are actively growing. Repeat in one month if needed.

Apply to foliage moist from dew, rain or sprinkling. Growth should not be so tall as to touch bottom of spreader. Rain, sprinkling, mowing or heavy traffic within 24 hours after application knocks granules off weeds, necessitates treating again, but wait at least one week.

PRECAUTIONS

On new plantings delay treatment until after the third or fourth mowing.

Avoid application over rootzone of trees and shrubs.

Delay planting grass seed until after a heavy rain or watering and not sooner than 2 weeks after treating.

Soft, lush grass may become discolored temporarily in periods of high heat and humidity.

Not for use on dichondra, St Augustine, bentgrass or carpetgrass.

Con't

BACK Con't:

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited. Pesticides that cannot be used should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

Do not reuse empty container. Dispose of in a landfill approved for pesticide containers, or bury in a safe place.

ProTurf Division

The O M Scott & Sons Co

Marysville, Ohio 43041

Suggested Spreader Settings

to provide proper distribution calibrate spreader before application

55 lbs (24.95 kg) treats 22,000 ft² (½ acre/2044 m²) at RECOMMENDED RATE
55 lbs (24.95 kg) treats 22,000 ft² (½ acre/2044 m²) at HALF RATE TWICE OVER

<u>SPREADER</u>	<u>GROUND PTO SPEED</u>	<u>WIDTH OF COVERAGE</u>	<u>SPREADER SETTINGS</u>	
			<u>HALF</u>	<u>RECOMMENDED</u>
Scotts (Drop Type)	3 mph	overlap wheels	3 3/4	5 3/4
Scotts Rotaries	3 mph	10 ft	D	F½
Lely-WTR & WFR	4.5 mph	20 ft	3 III	4 III
Lely-HR	450 rpm	20 ft	3 III	4 III
(PTO Model)	@ 4.5 mph			