

Best copy available

1471-150

6-30-1988

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

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| PLANT SCIENCE PROJECTS DEVELOPMENT AND REGISTRATION DIVISION |
| JUL 5 1988 |
| <input type="checkbox"/> |

1052
US

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

Stephen D. Cockreham, Ph.D.
Elanco Products Company
A Division of Eli Lilly & Company
P.O. Box 708
Greenfield, IN 46140

JUN 30 1988

Dear Dr. Cockreham:

Subject: Revised Labels - Trifluralin Registration Standard
Team 2G
EPA Registration No. 1471-150
Turf Fertilizer Contains Team 1.15%
EPA Registration No. 1471-166
Turf Fertilizer Contains Team 0.92%
EPA Registration No. 1471-167
Turf Fertilizer Contains Team 1.25%
EPA Registration No. 1471-168
Your Submissions Dated June 22, 1988

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

As new labels are prepared, under ENVIRONMENTAL HAZARDS, change the statement "Do not contaminate water by cleaning of equipment or disposal of wastes" to read "Do not contaminate water when disposing of equipment washwaters." For each product, use the correct name throughout the labeling. For Team 2G, on the submitted draft, you have cut off part of the last sentence under use PRECAUTIONS.

Sincerely yours,

Richard F. Mountfort
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (767C)

Enclosure

2/11

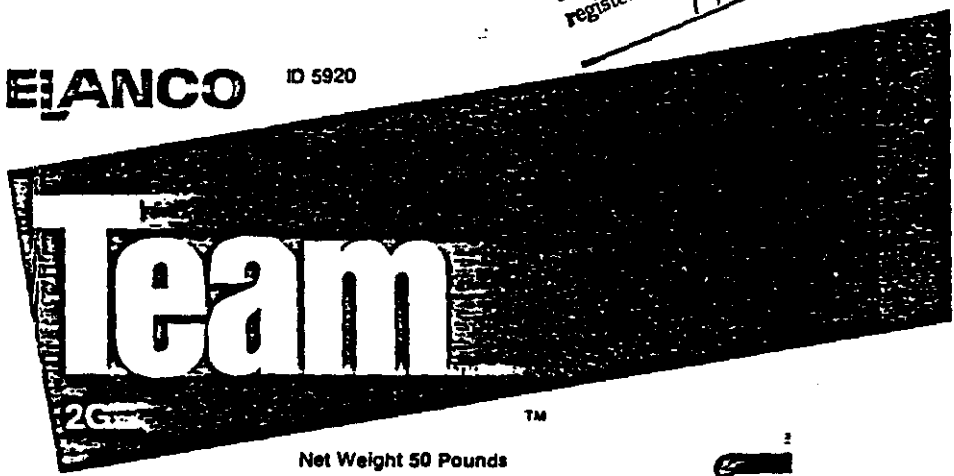
ELANCO 2G
Team
ELANCO 2G

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 30 1988

Under the Federal Insecticide,
Fungicide, and Herbicide Act
as amended, for the pesticide
registered under EPA Reg. No.
1471-150

ELANCO ID 5920



Net Weight 50 Pounds

A selective preemergence herbicide for the control
of crabgrass and most other annual weed grasses
on lawns and golf courses in established:

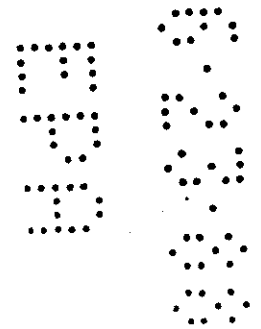
| | | |
|--|----------------|--------------------|
| Bluegrass common | Bahiagrass | St. Augustinegrass |
| Ryegrass common | Bermudagrass | Zoysiagrass |
| Festuca | Centipedegrass | Bentgrass Fairways |
| Active ingredients: | | |
| 1,1-dimethyl-2-propyl-2-butyl-3-butyl-4-methyl-5-propyl-6-ethyl-7-methyl-8-propyl-9-methyl-10-propyl-11-methyl-12-propyl-13-methyl-14-propyl-15-methyl-16-propyl-17-methyl-18-propyl-19-methyl-20-propyl-21-methyl-22-propyl-23-methyl-24-propyl-25-methyl-26-propyl-27-methyl-28-propyl-29-methyl-30-propyl-31-methyl-32-propyl-33-methyl-34-propyl-35-methyl-36-propyl-37-methyl-38-propyl-39-methyl-40-propyl-41-methyl-42-propyl-43-methyl-44-propyl-45-methyl-46-propyl-47-methyl-48-propyl-49-methyl-50-propyl | 1.22% | |
| Inert ingredients | 0.67% | |
| Total | 18.89% | |

ELANCO 2G
Team

Keep Out of Reach of Children.
CAUTION
See Back of Bag for additional precautionary statements.

and other high cut
Bentgrass areas

EPA Reg. No. 1471-150
EPA Est. No. 22781 MOJ
Superfund Code is 1471-150-01



Directions for Use

© 1988 by E.I. du Pont de Nemours and Company
Wilmington, Delaware

See Literature in Pocket of Bag for Complete Directions for Use.
Apply this product only as specified on the label or in literature published
by E.I. du Pont de Nemours and Company.
It is a violation of Federal Law to use this product in a manner inconsistent
with its labeling.

BG 0222 AMB



Precautionary Statements

Hazards to Humans and Domestic Animals
CAUTION

Insert 1

Statements of Product Treatment
If used as directed, this is a repellent or irritant. Contact with skin or eyes may cause irritation. Do not inhale vapors or dust
produced by this or any other product.
If you have been in contact with this or any other product, wash your hands thoroughly with soap and water.
If you have been in contact with this or any other product, wash your face and neck thoroughly with soap and water.
If you have been in contact with this or any other product, wash your hair thoroughly with soap and water.
If you have been in contact with this or any other product, wash your clothes thoroughly with soap and water.

Insert 2

Environmental Hazards

Insert 3

STORAGE AND DISPOSAL
Store in original container only. In case of spill or leak, contain material and
dispose of same.
Do not use in areas where children or pets may be present or where
plants are growing. Do not use in areas where birds or other animals
are present. Do not use in areas where water is present.
Do not use in areas where food is present.
Do not use in areas where clothing is present.
Do not use in areas where bedding is present.
Do not use in areas where furniture is present.
Do not use in areas where electronics are present.
Do not use in areas where vehicles are present.
Do not use in areas where aircraft are present.
Do not use in areas where ships are present.
Do not use in areas where aircraft carriers are present.
Do not use in areas where submarines are present.
Do not use in areas where space stations are present.
Do not use in areas where planets are present.
Do not use in areas where moons are present.
Do not use in areas where stars are present.
Do not use in areas where galaxies are present.
Do not use in areas where the universe is present.

Insert 4



E.I. du Pont de Nemours and Company
Wilmington, DE 19885, U.S.A.

2G
Team
E.I. du Pont de Nemours and Company

2G
Team
E.I. du Pont de Nemours and Company

and other high cut Bentgrass areas

PI 3032 AMP

ID 5920

Team 2G

A selective preemergence herbicide for the control of crabgrass and most other annual weed grasses on lawns and golf courses in established:

Bahiagrass Centipedegrass St. Augustinegrass
 Bermudagrass Fescue Zoysiagrass
 Bluegrass (perennial) Ryegrass (perennial) Bentgrass Fairways

Active ingredients:

N-butyl-*N*-cetyl-*N*-nitroso-2,6-dimethyl-*p*-toluidine 100%
N-butyl-*N*-cetyl-*N*-nitroso-2,6-dimethyl-*N,N*-dimethyl-*p*-toluidine 0.67%
 Total ingredients 99.67%

Contains 1 pound active ingredient per 50 pound bag

Team™ (bunches plus trifluralin, Elanco)

EPA Reg. No. 1471-150

Precautionary Statements Hazards to Humans and Domestic Animals Keep Out of Reach of Children. CAUTION

— Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing dust and contact with skin or eyes. Use eye protection and protective clothing such as coveralls, a long-sleeved shirt, and impermeable gloves when handling this product. —

Statements of Practical Treatment

If swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

If on skin: Wash with plenty of soap and water. Get medical attention if irritation develops.
 If in eyes: Flush eyes with plenty of water. Get medical attention if irritation develops.
 If inhaled: If discomfort occurs, remove individual to fresh air. Get medical attention if breathing difficulty occurs.

Environmental Hazards

— Do not contaminate any body of water by direct application, cleaning of equipment or disposal of wastes. —

STORAGE AND DISPOSAL

Storage: Store in original container only. In case of leak or spill, contain material and dispose as waste.

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.

Directions for Use

Read All Directions Carefully Before Applying

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Team is a preemergence herbicide which is applied to established turfgrasses for the control of annual bluegrass (*Poa annua*), smooth and hairy crabgrass, prostrategrass (bunch crabgrass or crab foot), barnyardgrass (watergrass) and green and yellow foxtail. Team controls these annual weeds by killing their seeds as they germinate. Apply Team before these annual weeds begin to germinate since it does not control established weeds.

When Team is applied as directed, the following established turfgrasses are tolerant:

Bahiagrass Fescue St. Augustinegrass
 Bermudagrass Kentucky bluegrass Zoysiagrass
 Centipedegrass Perennial ryegrass Bentgrass Fairways

Team will not harm most nearby established ornamental trees and shrubs.

and other high cut Bentgrass areas

Appropriate Spreader Settings As A Guide For Calibration (for applying Team 2G in one pass over the turf.)

Note: These settings are provided as suggested starting points in calibrating each individual spreader. Since no two spreaders are alike, these settings are not intended to be used as absolute recommendations by Elanco Products Company or the spreader manufacturer.

| Spreader Type | Spreader Setting Necessary To Apply Pounds Formulated Product Per Acre | |
|--|--|---------------------|
| | 100 lbs/A | 150 lbs/A |
| Gandy: Model 10A series, 6, 8, 10, 11, 12, 20 and 30 ft. (based on tractor speed of 5 mph) | 30 | 36 |
| Model 10T series, 6, 8, 10, 11, 12, 20, and 30 ft. (based on tractor speed of 5 mph) | 32 | 39 |
| Turf Turker, 24, 30, 42 inch (based on tractor speed of 3 mph) | 26 | 28.5 |
| 600 Series, 2, 4, and 5 ft. (based on tractor speed of 3 mph) | 18 | 22 |
| Scott: Rotary Model R 8 | 6½ | 1½ |
| Drop Spreader | 3% | 4% |
| Lesco Lesco Spreader (Note: set 3rd adjustable hole 1 notch from "open") | 7½ | 11½ |
| Cyclone: Models 81, 33, 96, BSSB and BPI at 200 ft/min Model 100 at 200 ft/min Model 93 (based on tractor speed of 4 mph) Model 99 (based on tractor speed of 4 mph) Model 6PI (based on tractor speed of 4 mph) | 3½ 3½ 5½ 4½-5 | 3½ 3½ 6½ 6 |
| Spyker: Spyker | 3.3 | 3.7 |
| Lely: Model W and H (based on tractor speed of 4.5 mph) | 3 | 4 |
| Vicop: Model 402 (with seed ring) swath width 20', 5 mph speed | 24 | 28 |

Precautions

Apply Team to the turf prior to the germination of weed grasses since Team will not control established weeds. Team may then established annual bluegrass (*Poa annua*) turfs and fine leaved fescues at rates above 100 pounds per acre (2 pounds active ingredient). Team should not be applied in the spring to turf grasses established the previous fall in bermudagrass areas that have been overseeded with winter grasses; a spring application of Team may then the overseeded grasses. Occasion of varying cultural practices, Team should not be used on putting greens. Team should not be used on dictionaria. Team should not be applied to newly swarded areas of bermudagrass, St.

Team 2G also provides partial control of prostrate spurge (*Euphorbia hirsuta*), spotted spurge (*Euphorbia maculata*), creeping spurge (*Euphorbia maculata*), creeping woodsorrel (*Oxalis corniculata*) and yellow woodsorrel (*Oxalis stricta*).

Literature revised March 4, 1987

Elanco Products Company • A Division of Eli Lilly and Company
 Indianapolis, IN 46285, U.S.A.
 PI 3032 AMP

Insert 5

Insert 1

Insert 2

Insert 3

susceptible

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75 to 150 pounds (1.5

Application Directions

Rate, Frequency and Timing of Application

Successful prevention of annual grass weeds is based on the label requires proper timing of application.

Apply Team approximately one to two weeks prior to the germination of annual grass weeds. All summer annual grasses do not germinate at the same time. If application timing does not coincide with the normal germination period of any of the annual grass weeds listed on this label, weed control results may be erratic or poor. Optimum weed control performance will be obtained if treatment areas are irrigated soon after application.

Any cultural practices that disturb the soil, such as aeration or venting, should be done prior to application of Team.

1. Spring germinating summer annual grasses—crabgrasses, goosegrass, foxtails and barnyardgrass.

A. In the north (cool season) turfgrasses:
For preventive control, apply 100 to 150 pounds (2 to 3 pounds active ingredient) of Team per acre in the spring (one to two weeks prior to the onset of conditions favorable for annual weed grass seed germination). When heavy grassgrass pastures are used, use the rate of 1.5 to 2 pounds of Team per acre.

B. Southern (warm season) turfgrasses:
For preventive control, apply 100 to 150 pounds (2 to 3 pounds active ingredient) of Team per acre in the late winter or early spring (one to two weeks prior to the onset of conditions favorable for annual weed grass seed germination).

In areas of the United States where germination of the annual weed grass species continues for extended periods of time, a second application of Team at the recommended rate may be made 10 to 12 weeks after initial treatment for continued control.

2. Poa annua (annual bluegrass)
In areas of heavy infestation of annual bluegrass, its elimination will temporarily result in thin turfgrass weeds. Proper fertilization, irrigation and soil incorporated seeding will encourage existing desirable turfgrasses and newly planted seeding turfgrasses to fill in these thin areas previously occupied by annual bluegrass.

A. Northern (cool season) turfgrasses:
For preventive control, apply 400 pounds (4 pounds active ingredient) of Team per acre in late summer or early fall and again in late winter or spring (one to two weeks prior to the expected germination of annual bluegrass).

B. Southern (warm season) turfgrasses:
For preventive control, apply 150 pounds (3 pounds active ingredient) of Team per acre in the late summer or early fall (one to two weeks prior to the expected germination of annual bluegrass). In southern areas of the United States where germination of annual bluegrass continues for extended periods of time, a second application of Team at 150 pounds per acre can be made 10 to 12 weeks after the initial treatment.

75 pounds

For application to smaller areas, apply the following amounts of Team:

- Team Py Azin 100 pounds
- Team 1000 Sg Fl 2 1/4 pounds
- Team Py Azin 150 pounds
- Team 1000 Sg Fl 3 1/2 pounds

1-3/4 pound

Reseeding

Chemicals that effectively control annual weed seeds may also affect new desirable turfgrass seedlings. When reseeding, it is essential that proper cultural practices such as soil cultivation, irrigation and fertilization be followed. For satisfactory reseeding results after using Team, the amount of seed used should be increased and equipment designed to place seed in contact with the soil (such as the Rogers Aero Seeder) should be employed. Reseeding should be delayed 10 weeks after application of Team at the 400-pound rate and 12 to 16 weeks after the 150-pound rate (allow appropriate rate).

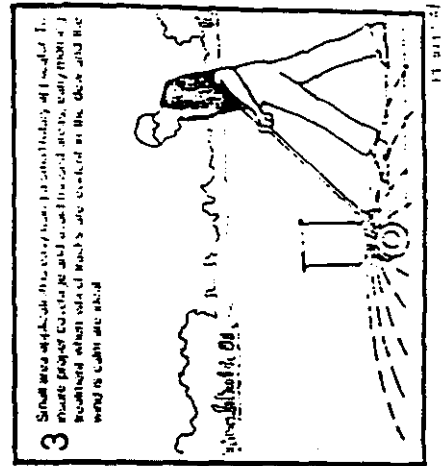
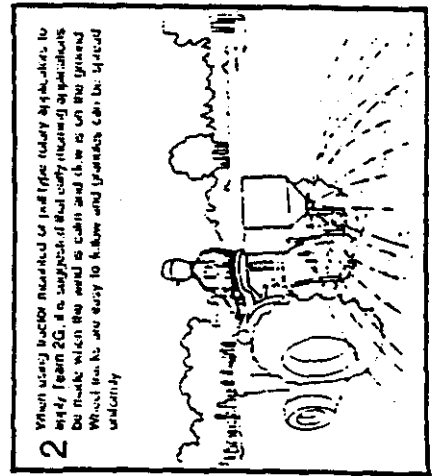
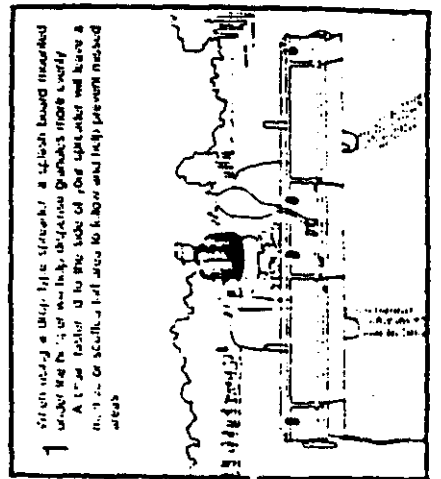
Application Equipment

Apply Team evenly over the turfgrass area without clumps or misses. A heavy stream of liquid can be made by spraying the area and then applying the recommended rate of Team. Avoid the use of backpack or hand sprayers that spray high and narrow sprayers may be used. Avoid the use of sprayers which would apply the material in narrow, concentrated bands. The label requires use of equipment designed to apply granular herbicides and insecticides. Consult your local dealer for information on the manufacturer's directions. Check frequently to be sure equipment is working properly and that you are using granules uniformly.

75 to 100 pounds (1.5 to 2

75 to 100 pounds (1.5 to 2

Helpful Application Techniques For Applying Team 2G



6/11

INSERT 1

Causes eye irritation. Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing dust and contact with skin, eyes, or clothing. Use eye protection and protective clothing such as coveralls, a long-sleeved shirt, and impermeable gloves when handling this product. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. ~~Do not allow children or pets on lawn until 1/2" of water has been applied to lawn and the water has dried (or, if wet conditions persist, until 24 hours have passed).~~

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INSERT 2

If not breathing, provide cardiopulmonary resuscitation assistance
(mouth-to-mouth) and call a physician.

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INSERT 3

This pesticide is toxic to fish. Do not apply directly to water or wetlands (swamps, bogs, or marshes). Drift or runoff from treatment areas may be hazardous to aquatic organisms in neighboring aquatic sites. Do not contaminate water by cleaning of equipment or disposal of waste.

DHL TEAM 2G INSERTS
06/20/88

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INSERT 4

DISCLAIMER OF WARRANTIES

Elanco Products Company makes no warranties concerning this product or its use, which extend beyond the description on the label. All other warranties, expressed or implied, including but not limited to, any implied warranties of merchantability and fitness for a particular purpose, are disclaimed. All statements concerning this product apply only when used as directed. This disclaimer of warranties does not apply where prohibited by operation of law.

LIMITATION OF DAMAGES

The liability of Elanco Products Company, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the return of the amount of the purchase price of this product and under no circumstances shall Elanco be liable for special, indirect or consequential damages. This limitation of damages does not apply where prohibited by operation of law.

DHL TEAM 2G INSERTS
06/20/88

INSERT 5

| Spreader Type | Spreader Setting Necessary to Apply Pounds Formulated Product Per Acre | | |
|---|--|-----------|-----------|
| | 75 lbs/A | 100 lbs/A | 150 lbs/A |
| Gandy: | | | |
| Model 10A series, 6, 8, 10, 11, 12, 20 and 30 ft. (based on tractor speed of 5 mph) | 26 | 30 | 36 |
| Model 10T series, 6, 8, 10, 11, 12, 20 and 30 ft. (based on tractor speed of 5 mph) | 28 | 32 | 39 |
| Turf Tender, 24, 30, 42 inch (based on tractor speed of 3 mph) | 24 | 26 | 28.5 |
| 600 Series, 2, 4, and 5 ft. (based on tractor speed of 3 mph) | 15.5 | 18 | 22 |
| Scott: | | | |
| Rotary Model R-8 | G | G1/2 | 1-1/2 |
| Drop Spreader | 3-1/2 | 3-7/8 | 4-5/8 |
| Lesco: | | | |
| Lesco Spreader (Note: set 3rd adjustable hole 1 notch from 'open') | F | F1/2 | H1/4 |
| Cyclone: | | | |
| Models B1, 33, 97 BSSB and BPI at 200 ft/min. | 3-1/8 | 3-1/4 | 3-1/2 |
| Model 100 at 200 ft/min. | 3-1/4 | 3-1/2 | 3-3/4 |
| Model 93 (based on tractor speed of 4 mph) | 4-1/2 | 5-1/4 | 6-1/2 |
| Model 99 (based on tractor speed of 4 mph) | 4-1/4-4-1/2 | 4-3/4-5 | 6 |
| Model BPI (based on tractor speed of 4 mph) | 4-4-1/4 | 4-3/4 | 5-1/2 |
| Spyker: | | | |
| Spyker | 3.1 | 3.3 | 3.7 |
| Lely: | | | |
| Model W and H (based on tractor speed of 4.5 mph) | 2 | 3 | 4 |
| Vicon: | | | |
| Model 402 (with seed ring) Swath width 20', 5 mph speed | 19 | 24 | 28 |

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INSERT 5

If split applications are desired, apply a cumulative rate of 150 pounds (3 pounds active) per acre and make the second application 3 to 10 weeks after the first.

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