



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

Editt

APR 21 1994

COPY FOR YOUR INFORMATION

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MANCHESTER, CT. 06040

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

SUBJECT: Label Amendment Submission of 10/28/93 in Response to PR Notice 93-7
EPA Reg. No. 6133-13
SURGE 25-3-9 TURF FERTILIZER WITH TEAM

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, successfully **REMOVES THE PRODUCT FROM THE SCOPE** of PR Notice 93-7 once the comments (if any) on the attached sheet are addressed. Other than the alterations (if any) listed on the attached sheet, no further alterations to the labeling are necessary to reflect the requirements of the Worker Protection Standard.

Since your amendment proposes to delete uses directly and/or to delete uses implicitly through the use of exclusionary statements, the Agency will publish in the Federal Register a notice of receipt of your amendment to delete uses, as required by section 6(f)(1) of FIFRA. The Agency will defer action for 90 days from the date of the Federal Register notice to give affected minor users an opportunity to try to persuade you to retain the uses(s). When the comment period has expired, the Agency will approve the amendment unless you have withdrawn it, and stamp the amended labeling "accepted." Your stamped-accepted labeling will then be sent to you.

As described in Supplement A of PR Notice 93-11 (self-verification option), you may sell and distribute product bearing the submitted labeling before you receive a copy of your stamped-accepted labeling. Note that your registration is not amended until the comment period required by section 6(f)(1) of FIFRA has expired and the Agency has approved the amendment. Therefore, you may withdraw your proposed amendment at any time during the comment period and until you receive your stamped-accepted labeling.

Sincerely,

James Tompkins

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



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

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L-1
... of 5

Admin: 6133-13

Analyst comments:

****ACCEPT WITH NO COMMENTS****

Two submissions for the same reg. no. Both correct.

NET WEIGHT 50 LBS.

ACCEPTED
with COMMENTS
in EPA Letter Dated

SURGE 25-3-9

TURF FERTILIZER WITH

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



Active ingredients N-butyl-N-ethyl-a,a,a-trifluoro-2,6-dinitro-p-toluidine	76.5%
trifluralin; alpha, alpha, alpha-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine.....	3.85%
Inert Ingredients	98.650%
GUARANTEED ANALYSIS:	
Total Nitrogen	25%
Available Phosphoric Acid	3%
Soluble Potash	9%
EPA Est. No 6133	EPA REG NO 6133-13

TEAM™ - the trademark for DOW-ELANCO PRODUCTS benefin plus trifluralin.

PRECAUTIONARY STATEMENT

hazards to humans and Domestic Animals

KEEP OUT OF REACH OF CHILDREN

WARNING

NOT FOR USE ON TURF BEING GROWN FOR SALE OR OTHER COMMERCIAL USE AS SEED, OR FOR COMMERCIAL SEED PRODUCTION, OR FOR RESEARCH PURPOSES. 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). Causes eye irritation. Do not get in eyes. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing dust and contact with skin, sensitization reactions in certain individuals. 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.

STATEMENT OF PRACTICAL TREATMENT

If in eyes: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Call a physician. If swallowed: Call a physician or Poison Control Center. Drink promptly a large quantity of milk, egg white, gelatin solution, or if these are not available, large quantities of water. Avoid alcohol. If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists. If inhaled: If breathing difficulty occurs, move individual to fresh air and get medical attention.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift or runoff from treatment areas may be hazardous to aquatic organisms in neighboring aquatic sites. Do not contaminate water when disposing of equipment wash waters.

STORAGE AND DISPOSAL

Storage: Store in original container only. Use of metal containers is not recommended. 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 land at an approved waste disposal facility. Treat as completely empty bag for application equipment. Then dispose of empty bag in a container and fill or bury.

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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. Surge 25-3-9 Fertilizer with TEAM is a preemergence herbicide which is applied to established turfgrasses for the control of annual bluegrass (*Poa annua*), smooth and hairy crabgrass (silver crabgrass or crowfoot), barnyardgrass (watergrass) and green and yellow foxtail. Surge 25-3-9 Fertilizer with TEAM controls these annual weeds by killing their seeds as they germinate. Apply Surge 25-3-9 Fertilizer with TEAM before these annual weeds begin to germinate since it does not control established weeds. When Surge 25-3-9 Fertilizer with TEAM is applied as directed, the following established turfgrasses are tolerant: Kentucky Bluegrass, Fescue, Perennial ryegrass, Zoysiagrass. Surge 25-3-9 Fertilizer with TEAM will not harm most nearby established ornamental trees and shrubs.

APPLICATION DIRECTIONS

RATES, FREQUENCY AND TIMING OF APPLICATION

Successful preemergence control of the annual grass weeds listed on this label requires proper timing of the application. Apply Surge 25-3-9 Fertilizer with TEAM approximately 1 to 2 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 treated areas are irrigated soon after application. Any cultural practices that disturb the soil, such as aerification or verticutting, should be done prior to application of Surge 25-3-9 Fertilizer with TEAM.

NORTHERN (COOL SEASON) TURFGRASSES

1. Spring germinating summer annual grasses - crabgrasses, foxtails and barnyardgrass. For preemergence control, apply 130 to 175 pounds per acre (1.5 to 2 pounds active ingredient) of Surge 25-3-9 Fertilizer with TEAM per acre in the spring one to two weeks prior to the onset of conditions favorable for annual weed grass seed germination. In areas where germination of the annual weed grass species continues for extended periods of time, a second application of Surge 25-3-9 Fertilizer with TEAM at the recommended rate may be made 8 to 20 weeks after initial treatment for continued control.
2. Late spring, early summer germinating annual grasses - goosegrass. Although classified as a summer annual grass, goosegrass normally germinates 4 to 6 weeks later than crabgrass, foxtails and other summer annual grass species. Application of Surge 25-3-9 Fertilizer with TEAM should, therefore, be timed accordingly. For preemergence control, apply 175 pounds (2 pounds active ingredient) of Surge 25-3-9 Fertilizer with TEAM per acre in the late spring or early summer one to two weeks prior to the expected germination of goosegrass.
3. **Northern Turfgrasses** in areas where preemergence control of both early germinating annual grasses (crabgrass, foxtails and barnyardgrass and the later germinating goosegrass is desired, two applications of Surge 25-3-9 Fertilizer with TEAM at the recommended rate spaced 8 to 10 weeks apart may be made to provide full season control of these annual grass species.
4. **Poa Annua (annual bluegrass)** In areas of heavy infestation of annual bluegrass, its elimination will temporarily result in thin turfgrass areas. Proper fertilization, irrigation and soil incorporated reseeding will encourage existing desirable turfgrasses and newly planted seeding turfgrasses to fill in these thin areas previously occupied by annual bluegrass. For preemergence control, apply 175 pounds (2 pounds active ingredient) of Surge 25-3-9 Fertilizer with 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. For application to smaller areas, apply the following amounts of Surge 25-3-9 Fertilizer with TEAM.

PER ACRE	1000 SQ. FT.	NITROGEN PER 1000 SQ. FT.
130 POUNDS	3 POUNDS	.75
175 POUNDS	4 POUNDS	1.00
260 POUNDS	6 POUNDS	1.50

RESEEDING Chemicals that effectively control annual weed seeds may also affect new desirable turfgrass seedings. Reseeding should be delayed for at least 6 weeks after applying Surge 25-3-9 Fertilizer with TEAM. When reseeding, it is essential that proper cultural practices such as soil cultivation, irrigation and fertilization be followed. For satisfactory reseeding results after using Surge 25-3-9 Fertilizer with TEAM the amount of seed used should be increased and equipment designed to place seed in contact with the soil (such as Rogers Aero Seeder) should be employed. When using Surge 25-3-9 Fertilizer with TEAM at the highest recommended rate, reseeding should be delayed to 12

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APPLICATION EQUIPMENT Apply Surge 25-3-9 Fertilizer with TEAM evenly over the turfgrass area without skips or misses. A more uniform application can be made spreading half the required amount over the area and then applying the remaining half at right angles. Both drop type and rotary type spreaders may be used. Avoid the use of spreaders which would apply the material in narrow, concentrated bands. For best results use equipment designed to apply granular herbicides and insecticides. Calibrate applicators prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly.

HELPFUL APPLICATION TECHNIQUES FOR APPLYING SURGE 25-3-9 FERTILIZER WITH TEAM

1. When using a drop type spreader, a splash board mounted under the hopper will help dispense granules more evenly. A chain fastened to the side of your spreader will leave a marked or scuffed turf area to follow and help prevent missed areas.
2. When using tractor mounted or pull type rotary applicators to apply Surge 25-3-9 Fertilizer with TEAM it is suggested that a seed application ring and a lime shield be used to control distribution of granules.
3. Small area application is easy using a small rotary applicator. To insure proper coverage and avoid missed areas, treat when the wind is calm.

PRECAUTIONS

Apply Surge 25-3-9 Fertilizer with TEAM to the turf prior to the germination of weed grasses since Surge 25-3-9 Fertilizer with TEAM will not control established weeds. Surge 25-3-9 Fertilizer with TEAM may thin established annual bluegrass (*Poa annua*) turfs and fine leaved fescues at rates above 130 pounds per acre (1.5 pounds active ingredient) Surge 25-3-9 Fertilizer with TEAM should not be applied in the spring to turfgrass planted the previous fall. In bermudagrass areas that have been over-seeded with winter grasses, a spring application of Surge 25-3-9 Fertilizer with TEAM may thin the over-seeded grasses. Because of varying cultural practices, Surge 25-3-9 Fertilizer with TEAM should not be used on putting greens. Surge 25-3-9 Fertilizer with TEAM should not be applied to newly sprigged areas of bermudagrass, ST. Augustinegrass or Centipedegrass until these turfs are well established.

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