



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

APR 03 1996

R.H. McLane
R.H. McLane, Inc.
7210 Red Road
Suite 206
Miami, Florida 33143-5321

Dear Mr. McLean:

SUBJECT: Crabgrass Control Plus Lawn Food
EPA Registration No. 43854-1
Your Submission Dated October 16, 1995

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following provisions:

- 1. For future reference, please note that this type of change in the formulation is considered to be an amendment to this product's registration and must be submitted with the appropriate forms, including an application for pesticide amendment (EPA Form 8570-4).

A stamped copy is enclosed for your records. Please submit one (1) final printed copy of the referenced label, incorporating the above changes, before releasing the product for shipment.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

CONCURRENCES

Table with 3 rows (SYMBOL, SURNAME, DATE) and 8 columns for signatures. Row 1: SYMBOL 7505C. Row 2: SURNAME M'COOKE. Row 3: DATE Apr 2, 1996.

The confidential statement of formula (CSF) agrees with the label claim in compliance with PR Notice 91-2 and is acceptable. The CSF has been added to your file as part of the record. Please note, this accepted CSF now supersedes all previous basic CSFs on file for this product.

Sincerely yours,

Joanne I. Miller
Product Manager
Fungicide-Herbicide Branch
Registration Division (7505C)

Enclosure

CRABGRASS CONTROL PLUS LAWN FOOD

A Dual Action Pre-Emergent Crabgrass Killer containing Team® Herbicide and a Premium Turf Fertilizer. For use on established Bluegrass (perennial), Ryegrass (perennial), Fescue, Bahiagrass, Bermudagrass, Centipedegrass, St. Augustinegrass, and Zoysiagrass for the control of Crabgrass and other listed Annual Weed Grasses on Home Lawns, Golf Courses, Parks and other Ornamental & Recreational Turf.

Team

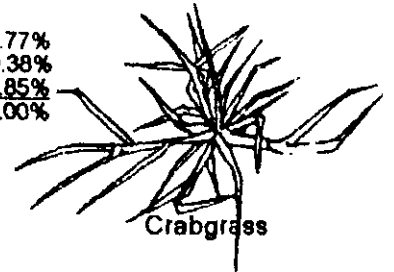
ACTIVE INGREDIENTS:

N-butyl-N-ethyl-alpha alpha-alpha, trifluoro-2,6-dinitro-p-toluidine - - - 0.77%
 Trifluralin: alpha, alpha, alpha-trifluoro-2-dinitro-N, N-dipropyl-p-toluidine - 0.38%

INERT INGREDIENTS:

TOTAL 100.00%

Team® is a Registered Trademark of the DowElanco Products Company



**KEEP OUT OF REACH OF CHILDREN
 WARNING**

NET WEIGHT 60 POUNDS

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND STATEMENTS OF PRACTICAL TREATMENT
 EPA REG NO. 43854-1 EPA. EST. NO. 43854-MO-1

GUARANTEED ANALYSIS
 Total Nitrogen Variable %
 Variable% Ammoniacal Nitrogen
 Variable% Sulfur Coated Urea
 Variable% Urea Nitrogen
 Available Phosphate (P₂O₅) Variable %
 Soluble Potash (K₂O) Variable %
 Primary Plant Foods derived from Urea,
 Sulfur Coated Urea, Ammoniated Phos-
 phates, and Muriate of Potash Chlorine
 (Cl) Maximum %

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMAN AND DOMESTIC ANIMALS

WARNING: Causes eye irritation. Do not get in eyes. Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing dust and contact with skin or clothing. The granular formulation may cause 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. Wash contaminated clothing 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 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 washwaters.

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 turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

WHERE TO APPLY

When applied according to these directions this product can be used safely on the following turfgrass varieties: Perennial Bluegrass varieties, Perennial Ryegrass varieties, Bermudagrass, Bahiagrass, Centipedegrass, Fescue varieties, St. Augustinegrass & Zoysiagrass lawns and ornamental turf. Will not harm most nearby ornamental trees and shrubs when used as directed.

WEEDS CONTROLLED

This product contains Team® Herbicide a combination of Benefin and Trifluralin

Late Spring, Early Summer Germinating Annual Grasses etc. (Cont.)

B. Southern warm season turfgrasses - For pre-emergence control, apply 174 to 261 lbs. per acre (equal to 2 to 3 lbs. Active Ingredient per acre) of this product in late spring or early summer one to two weeks prior to the expected germination of goosegrass. 50 lbs. will "Weed and Feed" 8,325 to 12,500 sq. ft. Use for 8,325 sq. ft. where turf is completely overrun by weed. Use for 12,500 sq. ft. when weeds are sparse and 9 turf is in a Yearly Lawn Maintenance Program.

FULL SEASON CONTROL IN NORTHERN AND SOUTHERN TURFGRASSES

In areas of the United States where pre-emergent control of both early germinating annual grasses (Crabgrass, Foxtails, and Barnyardgrass) and the later germinating Goosegrass is desired, two applications of this product at the recommended rate spaced 8 to 10 weeks apart may be made to provide full season control of these annual grass species.

POA ANNUA (ANNUAL BLUEGRASS) CONTROL

In areas of heavy infestation of Annual Bluegrass, its elimination will leave areas of thin turf. Employ proper cultural practices to establish a new turf.

Northern cool season turfgrasses - For pre-emergence control apply 174 lbs. per acre (equal to 2 lbs. Active ingredient per acre) of this product per acre in late summer or early fall and again in late winter or spring one to two weeks prior to expected germination of annual bluegrass. 50 lbs. treats 12,500 sq. ft. of turfgrass.

Southern warm season turf grass - For Pre-emergence control apply 261 lbs. per acre (equal to 3 lbs. Active ingredient per acre) in the later summer or early fall one to two weeks prior to expected germination of annual bluegrass. In the southern areas of the United States where germination of annual bluegrass continues for extended periods of time a second application at 261 lbs. per acre can be made 10 to 12 weeks after the initial treatment. 50 lbs. treats 8,325 sq. ft. of Turfgrass area.

RESEEDING TREATED AREAS:

1. Delay reseeding - 6 weeks when applying at the rate of 130 or 174 lbs of product per acre (equal to 1.5 to 2.0 lbs Active Ingredient per acre or 50 lbs. to treat 12,500 to 16,250 sq. ft.) 2. Delay reseeding - 12 to 18 weeks when applying at the rate of 261 lbs. of product per acre (equal to 3 lbs. of Active ingredient per acre or 50 lbs.

ACCEPTED
 with COMMENTS
 In EPA Letter Dated
 APR 03 1996

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

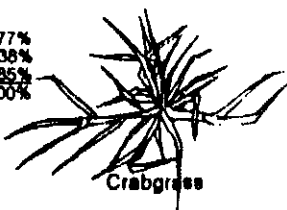
43854-1

CRABGRASS CONTROL PLUS LAWN FOOD

A Dual Action Pre-Emergent Crabgrass Killer containing Team® Herbicide and a Premium Turf Fertilizer. For use on established Bluegrass (perennial), Ryegrass (perennial), Fescue, Bahiagrass, Bermudagrass, Centipedegrass, St. Augustinegrass, and Zoysiagrass for the control of Crabgrass and other listed Annual Weed Grasses on Home Lawns, Golf Courses, Parks and other Ornamental & Recreational Turf.



ACTIVE INGREDIENTS
 N-butyl-N-ethyl-alpha-alpha-alpha-trifluoro-2,6-dinitro-p-toluidine - 0.77%
 Trifluralin: alpha, alpha, alpha-trifluoro-2-dinitro-N, N-dipropyl-p-toluidine - 0.30%
INERT INGREDIENTS: - 98.85%
TOTAL 100.00%



GUARANTEED ANALYSIS
 Total Nitrogen Variable %
 Variable % Ammoniacal Nitrogen
 Variable % Sulfur Coated Urea
 Variable % Urea Nitrogen
 Available Phosphorus (P₂O₅) Variable %
 Soluble Potash (K₂O) Variable %
 Primary Plant Food's derived from Urea, Sulfur Coated Urea, Ammoniated Phosphate, and Mixture of Potash Chloride (Cl) Maximum %

Team® is a Registered Trademark of the DowElanco Products Company

**KEEP OUT OF REACH OF CHILDREN
 WARNING**

NET WEIGHT 80 POUNDS

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND STATEMENTS OF PRACTICAL TREATMENT
 EPA REG NO. 43854-1 EPA EST. NO. 43854-MO-1

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMAN AND DOMESTIC ANIMALS
WARNING: Causes eye irritation. Do not get in eyes. Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing dust and contact with skin or clothing. The granular formulation may cause 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. Wash contaminated clothing 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, cold, 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 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 washwaters.

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 turf being grown for sale or other commercial use as sod, or for commercial seed production or for research purposes.

WHERE TO APPLY
 When applied according to these directions this product can be used safely on the following turfgrass varieties: Perennial Bluegrass varieties, Perennial Ryegrass varieties, Bermudagrass, Bahiagrass, Centipedegrass, Fescue varieties, St. Augustinegrass & Zoysiagrass lawns and ornamental turf. Will not harm most nearby ornamental trees and shrubs when used as directed.

WEEDS CONTROLLED
 This product contains Team® Herbicide a combination of Benflin and Trifluralin pre-emergence herbicides plus a 25-3-3 Lawn Food. It should be applied to established turf for the control of Crabgrass (Smooth, Hairy), Goose grass (Silver Crab or Crowsfoot), Barnyardgrass (Watergrass), Foxtail (Green and Yellow), and Annual Bluegrass (Poa Annua) and provides a generous lawn fertilization.

WHEN TO APPLY
 Apply to turf prior to germination of weed seeds since established weeds will not be controlled. Apply only to healthy established turf grass lawns.

IMPORTANT PRECAUTIONS:
 DO NOT apply in the spring to Bermudagrass which has been overseeded with winter grasses (annual rye) since thinning will occur. DO NOT use on Dichondra, nor on newly sprigged areas of Bermudagrass, St. Augustinegrass or Centipedegrass, until turfs are well established, nor to Bentgrass or Putting Greens. DO NOT apply in spring to Turfgrass planted the previous fall. This product may thin established Annual Bluegrass (Poa Annua) and Fine-Leaved Fescue lawns when used at higher rates than 174 lbs. per acre. (2.0 lb. A.I. Per Acre). Do not overdose.

WHEN AND HOW TO TIME YOUR APPLICATION
 Successful pre-emergence control of annual grass weeds on this label requires proper timing application. This product must be applied 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 grassy weeds listed on this label, weed control results may be erratic or poor. Any cultural practices that disturb the soil such as verticiling, should be done prior to application of this product.

"SPRING GERMINATING" SUMMER ANNUAL GRASSES: CRABGRASS, FOXTAIL, BARNYARDGRASS:

A. Northern Cool Season Grasses: For pre-emergence control, apply 130 to 174 lbs. per acre, (equal to 1 1/2 to 2 lbs. A.I./Acre) applied in the spring one to two weeks prior to the onset of conditions favorable for annual weedy grass seed germination. 50 lbs. will "Weed and Feed" 12,500 to 16,250 sq. ft.
B. Southern warm season turfgrasses: For pre-emergence control apply 174 to 261 lbs. per acre (equal to 2 to 3 lbs. Active Ingredient per acre). In the late winter or early spring one to two weeks prior to the onset of conditions favorable for annual weedy grass seed germination. 50 lbs. will "Weed and Feed" 8,325 to 12,500 sq. ft. Use for 8,325 sq. ft. where turf is completely overrun by weeds. Use for 12,500 sq. ft. when weeds are sparse or the turf is in a Yearly Crabgrass Control Program.

"LATE SPRING, EARLY SUMMER GERMINATING" ANNUAL GRASSES: GOOSEGRASS (SILVER CRAB)

Although classified as a summer annual grass, goosegrass normally germinates 4 to 6 weeks later than the crabgrass, foxtails and other summer annual grass species. Applications of this product should, therefore, be timed accordingly.
A. Northern cool season turfgrasses: For pre-emergence control 174 lbs. per acre (equal to 2 lbs. Active Ingredient per acre) of this product in late spring or early summer one to two weeks prior to the expected germination period of goosegrass. 50 lbs. will "Weed and Feed" 12,500 sq. ft.

Late Spring, Early Summer Germinating Annual Grasses etc. (Cont.)

B. Southern warm season turfgrasses: For pre-emergence control, apply 174 to 261 lbs. per acre (equal to 2 to 3 lbs. Active Ingredient per acre) of this product in late spring or early summer one to two weeks prior to the expected germination of goosegrass. 50 lbs. will "Weed and Feed" 8,325 to 12,500 sq. ft. Use for 8,325 sq. ft. where turf is completely overrun by weed. Use for 12,500 sq. ft. when weeds are sparse or the turf is in a Yearly Crabgrass Control Program.

FULL SEASON CONTROL IN NORTHERN AND SOUTHERN TURFGRASSES

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POA ANNUA (ANNUAL BLUEGRASS) CONTROL

In areas of heavy infestation of Annual Bluegrass, its elimination will leave areas of thin turf. Employ proper cultural practices to establish a new turf.
Northern cool season turfgrasses: For pre-emergence control apply 174 lbs. per acre (equal to 2 lbs. Active Ingredient per acre) of this product per acre in late summer or early fall and again in late winter or spring one to two weeks prior to expected germination of annual bluegrass. 50 lbs. treats 12,500 sq. ft. of turfgrass.
Southern warm season turf grass: For Pre-emergence control apply 261 lbs. per acre (equal to 3 lbs. Active Ingredient per acre) in the later summer or early fall one to two weeks prior to expected germination of annual bluegrass. In the southern areas of the United States where germination of annual bluegrass continues for extended periods of time a second application at 261 lbs. per acre can be made 10 to 12 weeks after the initial treatment. 50 lbs. treats 8,325 sq. ft. of Turfgrass area.

RESEEDING TREATED AREAS:

1. Delay reseeding - 6 weeks when applying at the rate of 130 or 174 lbs of product per acre (equal to 1.5 to 2.0 lbs Active Ingredient per acre or 50 lbs. to treat 12,500 to 16,250 sq. ft.)
 2. Delay reseeding - 12 to 16 weeks when applying at the rate of 261 lbs. of product per acre (equal to 3 lbs. of Active Ingredient per acre or 50 lbs to treat 8,325 sq. ft.)
WHEN RESEEDING - INCREASE THE RECOMMENDED AMOUNT OF SEED BY 25%.

SPREADER SETTINGS

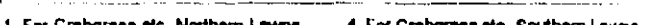
The following spreader settings are for use with new equipment. Your spreader may need calibrating since proper application is based on the spreader's condition with regard to age and use, your walking speed and the unevenness of the terrain. Poor weed control will result from uneven or improper application.

Spreader	50 lb. Bag Per Sq. Ft.	Northern Lawns		Southern Lawns	
		Crabgrass etc.	Poa Annua	Crabgrass etc.	Poa Annua
SCOTT	16,250	5	4 1/2		
	12,500	4	5 1/2	4	5 1/2
	8,325			6 1/2	6
CYCLONE	16,250	4	3		
	12,500	3	4	5	4
	8,325			4	4 1/2

50 lbs. to treat 16,250 sq ft = 1.50 lbs A.I./acre. 50 lbs. to treat 12,500 sq ft = 2.00 lbs./acre. 50 lbs. to treat 8,325 sq ft = 3.00 lbs. A.I./acre.

APPLY AT THE APPROPRIATE TIME

APPROPRIATE TIMES TO APPLY THIS PRE-EMERGENT HERBICIDE
 JAN. FEB. MAR. APR. MAY JUNE JULY AUG. SEPT. OCT. NOV. DEC.



- For Crabgrass etc. Northern Lawns
 - For Goosegrass in Northern Lawns
 - For Poa Annua in Northern Lawns
 - For Crabgrass etc. Southern Lawns
 - For Goosegrass in Southern Lawns
 - For Poa Annua in Southern Lawns
- Two applications spaced 8 to 10 weeks apart may be needed for season long control.

STORAGE AND DISPOSAL

STORAGE: Store in original container and keep any bags containing unused product in a dry area inaccessible to children and domestic animals; Do not store near food or foodstuffs. To prevent cross-contamination, do not store near other fertilizers, or near herbicides, insecticides, fungicides, or seeds. **PRODUCT DISPOSAL:** To dispose of bags which contain unused product, securely wrap bag in several layers of newspaper and discard in trash. **CONTAINER DISPOSAL:** Do not reuse empty bags. Fold empty bag and discard in trash.

WARRANTY

Large-Stegmann Co. warrants that this herbicide conforms to the chemical description on its label. When used in accordance with label directions under normal conditions, this herbicide is reasonably fit for its intended purpose. Since timing, methods of application, weather, plant, and soil conditions, interaction with other chemicals, and other factors affecting the use of this product are beyond our control, no warranty is given concerning the use of this product contrary to label directions or under conditions which are abnormal or not reasonably foreseeable. The user assumes all risks of any such use. (43854-1, pm51emdm) to add PRN 93-7, 8, 1 Ex.: stmt. and PRN 93-3, removal of "watering-in" precautionary stmt. 10-16-95)

LANGE-STEGMANN
 One Angelica Street - St. Louis, MO 63147