

MAY 1 1988

Vogel Seed & Fertilizer, Inc.
c/o Mr. Russell F. Sawyer
Registrations Plus
425 West 194th Street
Glenwood, IL 60425-1584

Gentlemen:

Subject: Revised Labels - Trifluralin Registration Standard
Spring Valley 34-2-7 Sprayable With Team
EPA Registration No. 41124-10
Your Submission Dated April 21, 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 labels are printed, delete GENERAL CLASSIFICATION. The uses for this product have not been classified.

Sincerely yours,

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

Enclosure

11250:1:Mountfort:LMF-4:KENCO:5/3/88:5/10/88:CB:VO:EK:CB

CONCURRENCES

SYMBOL	ORIGINATOR							
SURNAME								
DATE								



34-2-7 SPRAYABLE

WITH Team.

ACCEPTED
with COMMENTS
in EPA Lab
MAY 4 1968

4/12/68

2,6-Dichloro-4-nitrophenol	1.000
2,4-Dichloro-6-nitrophenol	1.000
2,4-Dichloro-3,5-dinitrophenol	1.000
2,4-Dichloro-3,6-dinitrophenol	1.000
2,4-Dichloro-3,4,5-trinitrophenol	1.000
2,4-Dichloro-3,5,6-trinitrophenol	1.000
2,4-Dichloro-3,4,6-trinitrophenol	1.000
2,4-Dichloro-3,5,7-trinitrophenol	1.000
2,4-Dichloro-3,6,7-trinitrophenol	1.000
2,4-Dichloro-3,4,7-trinitrophenol	1.000
2,4-Dichloro-3,5,8-trinitrophenol	1.000
2,4-Dichloro-3,6,8-trinitrophenol	1.000
2,4-Dichloro-3,7,8-trinitrophenol	1.000
2,4-Dichloro-3,4,8-trinitrophenol	1.000
2,4-Dichloro-3,5,9-trinitrophenol	1.000
2,4-Dichloro-3,6,9-trinitrophenol	1.000
2,4-Dichloro-3,7,9-trinitrophenol	1.000
2,4-Dichloro-3,4,9-trinitrophenol	1.000
2,4-Dichloro-3,5,10-trinitrophenol	1.000
2,4-Dichloro-3,6,10-trinitrophenol	1.000
2,4-Dichloro-3,7,10-trinitrophenol	1.000
2,4-Dichloro-3,4,10-trinitrophenol	1.000
2,4-Dichloro-3,5,11-trinitrophenol	1.000
2,4-Dichloro-3,6,11-trinitrophenol	1.000
2,4-Dichloro-3,7,11-trinitrophenol	1.000
2,4-Dichloro-3,4,11-trinitrophenol	1.000
2,4-Dichloro-3,5,12-trinitrophenol	1.000
2,4-Dichloro-3,6,12-trinitrophenol	1.000
2,4-Dichloro-3,7,12-trinitrophenol	1.000
2,4-Dichloro-3,4,12-trinitrophenol	1.000
2,4-Dichloro-3,5,13-trinitrophenol	1.000
2,4-Dichloro-3,6,13-trinitrophenol	1.000
2,4-Dichloro-3,7,13-trinitrophenol	1.000
2,4-Dichloro-3,4,13-trinitrophenol	1.000
2,4-Dichloro-3,5,14-trinitrophenol	1.000
2,4-Dichloro-3,6,14-trinitrophenol	1.000
2,4-Dichloro-3,7,14-trinitrophenol	1.000
2,4-Dichloro-3,4,14-trinitrophenol	1.000
2,4-Dichloro-3,5,15-trinitrophenol	1.000
2,4-Dichloro-3,6,15-trinitrophenol	1.000
2,4-Dichloro-3,7,15-trinitrophenol	1.000
2,4-Dichloro-3,4,15-trinitrophenol	1.000
2,4-Dichloro-3,5,16-trinitrophenol	1.000
2,4-Dichloro-3,6,16-trinitrophenol	1.000
2,4-Dichloro-3,7,16-trinitrophenol	1.000
2,4-Dichloro-3,4,16-trinitrophenol	1.000
2,4-Dichloro-3,5,17-trinitrophenol	1.000
2,4-Dichloro-3,6,17-trinitrophenol	1.000
2,4-Dichloro-3,7,17-trinitrophenol	1.000
2,4-Dichloro-3,4,17-trinitrophenol	1.000
2,4-Dichloro-3,5,18-trinitrophenol	1.000
2,4-Dichloro-3,6,18-trinitrophenol	1.000
2,4-Dichloro-3,7,18-trinitrophenol	1.000
2,4-Dichloro-3,4,18-trinitrophenol	1.000
2,4-Dichloro-3,5,19-trinitrophenol	1.000
2,4-Dichloro-3,6,19-trinitrophenol	1.000
2,4-Dichloro-3,7,19-trinitrophenol	1.000
2,4-Dichloro-3,4,19-trinitrophenol	1.000
2,4-Dichloro-3,5,20-trinitrophenol	1.000
2,4-Dichloro-3,6,20-trinitrophenol	1.000
2,4-Dichloro-3,7,20-trinitrophenol	1.000
2,4-Dichloro-3,4,20-trinitrophenol	1.000
TOTAL	40.000

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals
Keep Out of Reach of Children

WARNING

This product contains 2,4-dinitrophenols. Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin or clothing. The granular formulation may cause irritation to certain individuals. Use eye protection and protective clothing (long-sleeved shirt and impermeable gloves) when handling this product. Wash thoroughly with soap and water after handling. Remove contaminated clothing and shoes before use. Do not allow children or pets on lawn until 24 hours has elapsed. Clean and water has dried (or, if wet conditions persist, until the residue has passed).

First Aid

Keep out of eyes. Flush with a steady, gentle stream of water for 15 minutes. If swallowed, drink promptly a large quantity of water. If these are not available, large quantities of water will do. If irritation persists, get medical attention. If irritation persists, get medical attention. If irritation persists, get medical attention.

Environmental Hazards

This product is toxic to fish. Do not apply directly to water. Do not apply to streams, ponds, marshes, etc. Drift or runoff from treatment areas may be hazardous to aquatic organisms in neighboring aquatic areas. Do not use near waterways. Do not use near waterways.

EPA REG. NO. 100-270 EPA EST. NO. 4124 W. 1

NET WT. 50 LBS. COVERS 16,600 SQ. FT.

Mfg. By
Vogel Seed & Fertilizer, Inc.
Jackson, Wisconsin 53037

BEST AVAILABLE

SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ is a high quality fertilizer product that combines turf food to feed the lawn and selective pre-emergence herbicide to control the listed annual grasses.

DIRECTIONS FOR USE

General Classification

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

Read All Directions Carefully Before Applying

SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ is a pre-emergence herbicide which is applied to established turfgrasses for the control of annual bluegrass (poa annual, smooth and hairy crabgrass, goosegrass (sliver crabgrass or crowfoot), barnyardgrass (watergrass) and green and yellow foxtail. SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ controls these annual weeds by killing their seeds as they germinate. Apply before these annual weeds begin to germinate since it does not control established weeds.

When SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ is applied as directed, the following established turfgrasses are tolerant:

Kentucky Bluegrass	Fescue	St. Augustinegrass
Perennial Ryegrass	Zoysiagrass	Bahiagrass
Centipedegrass	Bermudagrass	

SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ will not harm most nearby established ornamental trees and shrubs.

STORAGE AND DISPOSAL

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

APPLICATION DIRECTIONS

Rates, Frequency and Timing of Application

Successful pre-emergence control of the annual grass weeds listed on this label requires proper timing of application.

Apply SPRING VALLEY'S 34-2-7 SPRAYABLE with 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 treated areas are irrigated soon after application.

Any cultural practices that disturb the soil, such as aeration or verticillation, should be done prior to application of SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™.

Spring Germination Summer Annual Grasses—Crabgrasses, Foxtails and Barnyardgrass

One 50 lb. bag of SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ will cover 16,600 sq. ft. or 133 lbs. per acre. Application at this rate will supply 1 lb. of actual nitrogen per 1,000 sq. ft. and 2 lbs. of actual Team™ per acre. Do not reseed 12 to 16 weeks after application.

A. Northern (cool season) turfgrasses

For pre-emergence control, apply 100 to 133 lbs. per acre (1.5 to 2 lbs. active ingredient) of SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ in the spring one to two weeks prior to the onset of conditions favorable for annual weed grass seed germination.

B. Southern (warm season) turfgrasses

For pre-emergence control, apply 133 to 200 lbs. per acre (2 to 3 lbs. active ingredient) of SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ 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 SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ at the recommended rate may be made 8 to 10 weeks after initial treatment for continued control.

SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ Per Acre	Lbs. Per 1,000 Sq. Ft.
100 Lbs.	2.2 Lbs.
133 Lbs.	3.0 Lbs.
200 Lbs.	4.5 Lbs.

GENERAL: This product does not totally dissolve; to keep the undissolved portion of the product in suspension you must have a vigorous agitation system, preferably a mechanical agitation system. Fill the tank with 1/4 of the water that is needed and start agitation, then slowly add the product. After all the product has been added, add the remaining required water. Continue agitation entire time of application and make sure that the tank is empty before shutting off agitation.

If you are spraying 5 gallons per 1,000 sq. ft. (217.5 gal. per acre)

- To get 1.5 lbs. active ingredient per acre add 44 lbs. of product/100 gallons water.
- To get 2 lbs. active ingredient per acre add 60 lbs. of product/100 gallons water.
- To get 3 lbs. active ingredient per acre add 90 lbs. of product/100 gallons water.

If you are spraying 3 gallons per 1,000 sq. ft. (130.5 gal. per acre)

- To get 1.5 lbs. active ingredient per acre add 74 lbs. of product/100 gallons water.
- To get 2 lbs. active ingredient per acre add 100 lbs. of product/100 gallons water.
- To get 3 lbs. active ingredient per acre add 150 lbs. of product/100 gallons water.

PRECAUTIONS

Apply SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ to the turf prior to the germination of weed grasses since SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ will not control established weeds. SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ may thin established annual bluegrass (poa annual) turfs and fine leaved fescues at rates above 100 lbs. per acre (1.5 lbs. active ingredient). SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ should not be applied in the spring to turfgrass planted the previous fall. In Bermudagrass areas that have been overseeded with winter grasses, a spring application of SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ may thin the overseeded grasses. Because of varying cultural practices, SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ should not be used on putting greens. SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ should not be used on sterndia. SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ should not be applied to newly splayed areas of Bermudagrass, St. Augustinegrass or Centipedegrass until these turfs are well established.

GUARANTEED ANALYSIS

Nitrogen (N)	34%
0.4% Ammoniacal Nitrogen	
27.6% Urea Nitrogen	
6.0% Water Insoluble Nitrogen (WIN)	
Available Phosphoric Acid (P ₂ O ₅)	2%
Soluble Potash (K ₂ O)	7%

FERTILIZER INGREDIENTS: Nitroform™, urea, D.A.P., muriate of potash.

NET WT. 50 LBS. COVERS 16,600 SQ. FT.

Vogel Seed & Fertilizer, Inc.
c/o Mr. Russell F. Sawyer
Registrations Plus
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Gentlemen:

Subject: Revised Labels - Trifluralin Registration Standard
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Your Submission Dated April 21, 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 labels are printed, delete GENERAL CLASSIFICATION. The uses for this product have not been classified.

Sincerely yours,

Richard P. Mountfort *RFM*
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (TS-767C)

Enclosure

11250:I:Mountfort:LMP-4:KENCO:5/3/88:5/10/88:CB:VO:EK:CB

CONCURRENCES

SYMBOL	ORIGINATOR						
SURNAME							
DATE							

OFFICE COPY

SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ is a high quality fertilizer product that combines turf food to feed the lawn and an effective pre-emergence herbicide to control the listed annual grasses.

DIRECTIONS FOR USE

General Classification

This is a variation of Federal law to use this product in a manner inconsistent with its labeling.

Read All Directions Carefully Before Applying

SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ is a pre-emergence herbicide which is applied to established turf grasses for the control of annual bluegrass (both annual smooth and hairy crabgrass), goosegrass (both hairy and smooth), barnyardgrass (watergrass) and green and yellow foxtail. SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ controls these annual weeds by killing their seeds as they germinate. Apply before these annual weeds begin to germinate since it does not control established weeds.

When SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ is applied as directed, the following established turfgrasses are tolerant.

Kentucky Bluegrass	Fescue	St. Augustinegrass
Perennial Ryegrass	Zoysiagrass	Bahiagrass
Centipede grass	Bermudagrass	

SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ will not harm most nearby established ornamental trees and shrubs.

STORAGE AND DISPOSAL

Store in a cool, dry place. In case of leak or spill, contain material and dispose of waste.

Pesticide Disposal: Do not combine with 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: Cut, pierce, or pry bag into application equipment. Then dispose of empty bag in a sanitary and safe manner by incineration, or, if allowed by State and local authorities, by other means to prevent escape of smoke.

APPLICATION DIRECTIONS

Rates, Frequency and Timing of Application
Successful pre-emergence control of the annual grass weeds listed on this label requires proper timing of application.

Apply SPRING VALLEY'S 34-2-7 SPRAYABLE with 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 treated areas are irrigated soon after application.

Any cultural practices that disturb the soil, such as aeration or verticillation, should be done prior to application of SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™.

Spring Application on Annual Grasses—Crabgrasses, Foxtails and Barnyardgrass

One 2.2 lb. gal. of SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ will cover 16,600 sq. ft. or 2.2 lbs. per acre. Application at this rate will apply 1 lb. of actual nitrogen per 1,000 sq. ft. and 2 lbs. of actual Team™ per acre. Do not reseed 12 to 16 weeks after application.

Spring Application on Annual Grasses
For pre-emergence control, apply 150 to 133 lbs. per acre (1.5 to 2 lbs. active ingredient) of SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ in the spring one to two weeks prior to the onset of conditions favorable for annual weed grass seed germination.

Fall or Winter Application on Annual Grasses
For pre-emergence control, apply 133 to 200 lbs. per acre (2 to 3 lbs. active ingredient) of SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ 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 SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ at the recommended rate may be made 8 to 10 weeks after initial treatment for continued control.

SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ Per Acre	Lbs. Per 1,000 Sq. Ft.
100 Lbs.	2.2 Lbs.
133 Lbs.	3.0 Lbs.
200 Lbs.	4.5 Lbs.

GENERAL: This product does not totally dissolve; to keep the undissolved portion of the product in suspension you must have a vigorous agitation system, preferably a mechanical agitation system. Fill the tank with 1/4 of the water that is needed and start agitation, then slowly add the product. After all the product has been added, add the remaining required water. Continue agitation entire time of application and make sure that the tank is empty before shutting off agitation.

If you are spraying 5 gallons per 1,000 sq. ft. (217.5 gal. per acre)
To get 1.5 lbs. active ingredient per acre add 44 lbs. of product/100 gallons water.
To get 2 lbs. active ingredient per acre add 80 lbs. of product/100 gallons water.
To get 3 lbs. active ingredient per acre add 90 lbs. of product/100 gallons water.

If you are spraying 3 gallons per 1,000 sq. ft. (130.5 gal. per acre)
To get 1.5 lbs. active ingredient per acre add 74 lbs. of product/100 gallons water.
To get 2 lbs. active ingredient per acre add 100 lbs. of product/100 gallons water.
To get 3 lbs. active ingredient per acre add 150 lbs. of product/100 gallons water.

PRECAUTIONS

Apply SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ to the turf prior to the germination of weed grasses since SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ will not control established weeds. SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ may thin established annual bluegrass (plus annual) turfs and fine-leaved fescues at rates above 100 lbs. per acre (1.5 lbs. active ingredient). SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ should not be applied in the spring to turf grass planted the previous fall. In Bermudagrass areas that have been overseeded with winter grasses, a spring application of SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ may thin the overseeded grasses. Because of varying cultural practices, SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ should not be used on putting greens. SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ should not be used on diandra. SPRING VALLEY'S 34-2-7 SPRAYABLE with Team™ should not be applied to newly sgrazed areas of Bermudagrass, St. Augustinegrass or Centipedegrass until these turfs are well established.

GUARANTEED ANALYSIS

Nitrogen (N)	34%
0.4% Ammoniacal Nitrogen	
27.8% Urea Nitrogen	
6.0% Water Insoluble Nitrogen (WIN)	
Available Phosphoric Acid (P ₂ O ₅)	7%
Soluble Potash (K ₂ O)	7%

FERTILIZER INGREDIENTS: Nitrolform™, urea, D.A.P., sulfate of potash.

NET WT. 50 LBS. COVERS 16,600 SQ. FT.

