

FM 23 62719-116 10/4

25 JUN 1992

Dennis H. Lade, Ph.D.  
 DowElanco  
 9002 Purdue Road  
 Quad IV  
 Indianapolis, IN 46268

Dear Dr. Dennis H. Lade:

Subject: Trellan E.C.  
 EPA Registration No. 62719-93  
 Trellan M.F.F.  
 EPA Registration No. 62719-110 ✓  
 Trellan 5  
 EPA Registration No. 62719-118  
 Re: Use Deletion: Spearmint and peppermint  
 From The Label  
 Your Submission Dated June 15, 1992

The labeling referred to above submitted in connection with registration under the Federal Insecticide Fungicide and Rodenticide Act as amended is acceptable provided that under the Environmental Hazard Section of the label replace the statement "Do not apply directly to water of wetlands" to read "Do not apply directly to water to areas where surface water is present or to intertidal areas below the mean high water mark." Please submit five (5) copies of your final printed labels incorporating this amendment. A stamped copy of labeling is enclosed for your records.

Sincerely

Joanne J. Miller  
 Product Manager (23)  
 Fungicide-Herbicide Branch  
 Registration Division 1H-75051

CONCURRENCES

SYMBOL	H-7505C						
SURNAME	M. J. Josire						
DATE	6/25/92						

ELANCO ID 5560

# Treflan®

Herbicide

M.T.F.™

Net Contents 2½ Gallons

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

25 JUN 1992

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

62719-116

A selective herbicide for the preemergence  
control of annual grasses and broadleaf weeds

Active ingredient:

trifluralin\* (4,4,4-trifluoro-2,6-dinitro-N,N-dipropyl p-toluidine) ... 41.2%  
Inert ingredients ... 58.8%

Contains 4 pounds active ingredient per gallon

\*Treflan®, M.T.F.™—(trifluralin, multiple formulation, Elanco)

Manufactured using the processes

of U.S. Patents 4,120,905 and 4,226,789

EPA Reg. No. 1471-116-

EPA Est. 1471-IN 2

Keep Out of Reach of Children.

## CAUTION

See additional precautionary

statements inside booklet

See directions for use inside booklet

# M.T.F.

PI 3123 AMP

MULTIPLE TEMPERATURE FORMULATION  
MAY BE STORED IN UNHEATED FACILITIES

Elanco Products Company - A Division of Eli Lilly and Company  
Indianapolis, IN 46285, U.S.A.



\*B3A

BEST AVAIL

**Dry Bean—Trelan/Eptam tank mix:**

The Trelan/Eptam tank mix effectively controls all the following weeds in addition to those weeds listed for Trelan (see page 3)

Herb	Upl. wild
(Spring applications)	Ragweed, common
Nightshade, black	Sinigrass
Nightshade, hairy	Pernambuco
Mulchgrass	Vetches (Buckwheat)

Follow recommended soil preparation and incorporation procedures for Trelan. The Trelan/Eptam tank mix should be applied from 7 days before planting up to planting. Incorporate immediately after application.

**Broadcast Rates Per Acre**

Soil Texture	Trelan M T F.		
	Areas receiving less than 20% average annual rainfall*	Areas receiving greater than 20% average annual rainfall*	Eptam 7E
Coarse	1 (pints)	1 (pints)	2 1/2 - 3 1/2**
Medium	1 1/2 - 1 3/4	1 1/2	2 1/2 - 3 1/2
Fine	1 1/2	2	2 1/2 - 3 1/2

\*Use 1 1/2 pints per acre on coarse and medium textured soils and 2 pints on fine soils with 2-5% organic matter, use 2 pints on all soils with 5-10% organic matter.

\*\*Use Eptam 7E at a rate of 2 1/2 pints per acre to control annual grasses, 2 1/2 pints to control mulchgrass and annual broadleaf weeds.

**Precaution:** Read the Eptam label before using. Observe all cautions and limitations of all products used in mixtures. The combination of Trelan and Eptam should not be used on soy beans, black eyed peas (beans), lima beans and other leguminous beans, except peanuts. Do not use the tubage from a crop treated with the Trelan/Eptam tank mix for feed or for grazing.

**Dry Bean—Fall application for dry bean grows in Idaho, Oregon, and Washington.**

Apply and incorporate Trelan any time between October 15 and December 31 at a broadcast rate of 1 pint per acre on coarse soils, 1 1/2 to 1 3/4 pints on medium soils and 1 1/2 pints on fine soils. Destroy established weeds during seedbed preparation.

For the following Crop Grouping, Use the Rate Listed Below.

- Beans—(Gar and Mungbean)**
- Greens—(Turnip greens grown for processing, Collard, Kale and Mustard greens)**
- Mustard—(Grown for seed or processing for food as Mustard seeds and Mustard tubers)**

Apply and incorporate Trelan before planting at 1 pint per acre on coarse soils and 1 1/2 pints on medium and fine soils.

**Beans—(Lima Bean and Snap Bean):**

Apply and incorporate Trelan before planting at a broadcast rate of 1 pint per acre on coarse and medium soils and 1 1/2 pints on fine soils.

**Corn (Field Corn) and Grain Sorghum (Milo)**

Apply Trelan to field corn or grain sorghum (8 inches or taller) as an over the top or directed spray to effectively control weeds listed for Trelan.

**Soil Preparation—**Cultivate before a Trelan application to insure loose, friable soil, to remove established weeds, and to cover the base of plants with soil.

**Application Directions—**Trelan should be applied and incorporated at the recommended rates for the soil texture when the crop is well established (8 inches or taller). Trelan may be applied either as an over the top spray or as a directed spray. Drop nozzles should be used if foliage prevents uniform coverage of soil surface. Soil incorporation may be accomplished with only one pass of a sweep type cultivator or a properly adjusted rolling cultivator.

The sweep type cultivator should have 3 to 5 sweeps per row middle and be operated at 6 to 8 mph. Set the middle sweeps so as to avoid exposing untreated soil. Adjust the incorporation tools to prevent crop injury.

**Broadcast Rates Per Acre**

Soil Texture	Trelan M T F.
	(pints)
Coarse	1 1/2
Medium	1 1/2
Fine	1 1/2

Use the lower rates when you anticipate light weed pressure and the higher rates when you anticipate heavy weed pressure.

\*Corn only. Apply 1 to 1 1/2 pints per acre in Alabama, Florida, Georgia, North Carolina, South Carolina and Virginia to soil but fall peanuts and peas percent.

**Precaution:** Do not apply Trelan to corn grown for seed. Do not apply Trelan to corn or sorghum as a preplant or preemergence treatment, or crop spray that would.

**Hops**

Apply and incorporate Trelan when the crop is dormant. Use a broadcast rate of 1 pint per acre on coarse soils, 1 1/2 to 1 3/4 pints on medium soils, and 1 1/2 pints on fine soils and soils with 2-10% organic matter.

~~**Mint—(Established Peppermint and Spearmint)**  
Apply Trelan at a rate of 1 pint per acre on coarse soils, 1 1/2 pints on medium soils, and 1 1/2 pints on fine soils. Use on soil textures mentioned that will receive heavy rainfall during the growing season.~~

delete

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BEST AVAILABLE COPY

Dennis H. Lane, P.O.  
Georgetown  
5001 Purdue Road  
Georgetown  
Indiana 46268

Dear Mr. Dennis H. Lane:

Subject: Registration of  
EPA Registration No. 60719-111  
EPA Registration No. 60719-112  
EPA Registration No. 60719-113  
Re: Use deletion: Spearpoint and peppermint  
from the label  
Your submission dated June 15, 1992

The labeling referred to above submitted in connection with registration under the Federal Insecticide, Fungicide and Herbicide Act as amended is acceptable provided that under the Environmental Hazards Section of the label replace the statement "Do not apply directly to water or wetlands" to read "Do not apply directly to water or areas where surface water is present or to intertidal areas below the mean high water mark." Please submit five (5) copies of your final printed labels incorporating this amendment. A stamped copy of labeling is enclosed for your records.

Sincerely,

## BEST AVAILABLE COPY

Joanne J. Miller  
Product Manager (23)  
Fungicide-Herbicide Branch  
Registration Division (6-7505)

### CONCURRENCES

SYMBOL	11-7505C						
SURNAME	Miller						
DATE	10/25/92						

ELANCO ID 5560

# Treflan

Herbicide

M.T.F.<sup>TM</sup>

Net Contents 2 1/2 Gallons

**A selective herbicide for the preemergence control of annual grasses and broadleaf weeds**

Active ingredient

Influracin\* (a 2,6-difluoro-2,6-dinitro-N,N-dipropyl-p-toluidine) 41.2%  
Inert ingredients 58.8%

Contains 4 pounds active ingredient per gallon

\*Treflan<sup>®</sup>, M.T.F.<sup>™</sup>—(Influracin, multiple formulation, Elanco)

Manufactured using the processes

of U.S. Patents 4,120,905 and 4,226,789

Keep Out of Reach of Children.

EPA Reg No. ~~1471-146~~ 63  
EPA Est. 1471 IN 2

## CAUTION

See additional precautionary statements inside booklet.  
See directions for use inside booklet.

# M.T.F.

PI 3123 AMP

MULTIPLE TEMPERATURE FORMULATION  
MAY BE STORED IN UNHEATED FACILITIES

Elanco Products Company - A Division of Eli Lilly and Company  
Indianapolis, IN 46285, U.S.A.



USA

BEST AVAILABLE C

ACCEPTED  
with COMMENTS  
by EPA Letter Date:

25 JUN 1992

1. In the presence of a pesticide,  
Pesticide Use Instructions apply to  
it. The pesticide should be used  
in accordance with the label  
directions. EPA Reg. No.

62719-116

1963  
 122-766 M.F. CARBENS OF FLORIDA  
 1972

**Dry Bean - Trellan/Eplan label mix**

The Trellan/Eplan label mix effectively controls all the following weeds in addition to those weeds listed for Trellan (see page 3)

Herbicide (Spring applications)	Oil, well Ragweed, cockspur Sourwood Peanut/hairy Velvetleaf (Buckwheat)
Nightshade, black	
Nightshade, hairy	
Nutsedge	

Follow recommended soil preparation and incorporation procedures for Trellan. The Trellan/Eplan label mix should be applied from 2 days before planting up to planting. Incorporate immediately after application.

**Broadcast Rates Per Acre**

Soil Texture	Trellan M.F.		Eplan 7E
	Areas receiving less than 20% average annual rainfall*	Areas receiving greater than 20% average annual rainfall**	
Coarse	1 (pints)	1 (pints)	2 1/2 (pints)
Medium	1 1/4 (pints)	1 1/4 (pints)	2 1/2 (pints)
Fine	1 1/4 (pints)	2 (pints)	2 1/2 (pints)

\*Use 1 1/4 pints per acre on coarse and medium textured soils and 2 pints on fine soils with 2-5% organic matter. Use 2 pints on all soils with 5-10% organic matter.

\*\*Use Eplan 7E at a rate of 2 1/2 pints per acre to control annual grasses. 2 1/4 pints to control nutsedge and other broadleaf weeds.

**Precaution:** Read the Eplan label before using. Observe all cautions and limitations of all products used in mixtures. The combination of Trellan and Eplan should not be used on soy beans, black eyed peas (beans), lima beans and other leguminous beans, except *Pisum sativum*. Do not use the tubage from a crop treated with the Trellan/Eplan label mix for feed or for grazing.

**Dry Bean - Fall application for dry bean grown in Idaho, Oregon, and Washington.**

Apply and incorporate Trellan any time between October 15 and December 31 at a broadcast rate of 1 pint per acre on coarse soils, 1 1/4 to 1 1/2 pints on medium soils, and 1 1/2 pints on fine soils. Destroy established weeds during seedbed preparation.

**For the Following Crop Grouping, Use the Rate Listed Below.**

**Beans - (Lima and Snapbeans)**

**Greens -** Truss greens grown for processing. Cullard Kale and Mashed greens.

**Mustard -** Grown for seed or processing for food or medicinal and health uses.

Apply and incorporate Trellan before planting at 1 pint per acre on coarse soils and 1 1/4 pints on medium and fine soils.

**Beans - (Lima Bean and Snap Bean):**

Apply and incorporate Trellan before planting at a broadcast rate of 1 pint per acre on coarse and medium soils and 1 1/4 pints on fine soils.

**Corn (Field Corn) and Grain Sorghum (Milo)**

Apply Trellan to field corn or grain sorghum (8 inches or taller) as an over the top or directed spray to effectively control weeds listed for Trellan.

**Soil Preparation -** Cultivate before a Trellan application to insure loose friable soil to remove established weeds, and to cover the base of plants with soil.

**Application Directions -** Trellan should be applied and incorporated at the recommended rates for the soil texture when the crop is well established (8 inches or taller). Trellan may be applied either as an over the top spray or as a directed spray. Crop choppers should be used if tubage prevents uniform coverage of soil surface. Soil incorporation may be accomplished with only one pass of a sweep type cultivator or a properly adapted tilling cultivator.

The sweep type cultivator should have 3 to 5 sweeps per turn, tangle and be operated at 6 to 8 rpm. Set the tangle sweeps so as to avoid exposing untreated soil. Adjust the incorporation tools to prevent crop injury.

**Broadcast Rates Per Acre**

Soil Texture	Trellan M.F.
Coarse	1 (pint)
Medium	1 1/4 (pints)
Fine	1 1/4 (pints)

Use the lower rates when you anticipate light weed pressure and the higher rates when you anticipate heavy weed pressure.

**Local Use:** Apply 1 to 1 1/4 pints per acre in Alabama, Florida, Georgia, North Carolina, South Carolina and Virginia for cut and leaf parsnips and Texas parsnips.

**Precaution:** Do not apply Trellan to corn grown in seed. Do not apply Trellan to corn or sorghum as a preplant or preemergence treatment to control pigweed.

**Wags**

Apply and incorporate Trellan when the crop is dormant. Use a broadcast rate of 1 pint per acre on coarse soils, 1 1/4 to 1 1/2 pints on medium soils, and 1 1/2 pints on fine soils and soils with 2-10% organic matter.

**Misc - (Established Pepperweed and Spineseed)**

Apply Trellan at a total of 1 pint per acre on coarse soils, 1 1/4 pints on medium soils, and 1 1/2 pints per fine soils. Use conventional equipment that will reduce the amount of soil being disturbed during the spray.

delete

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