

Jennis H. Lade, Ph.D.
 Dow Chemical
 5002 Purdue Road
 Grand IV
 Indianapolis IN 46208

Dear Dr. Jennis H. Lade:

Subject: Trellan 2.0
 EPA Registration No. 62719-93 ✓
 Trellan M.I.F.
 EPA Registration No. 62719-116
 Trellan 5
 EPA Registration No. 62719-118
 Re: Use Selection: Sparmint and peppermint
 from the label
 Your Submission dated June 15, 1992

The labeling received to above submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act as amended is acceptable provided that after the Environmental Hazard Section of the label replace the statement "Do not apply directly to water or 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,

BEST AVAILABLE COPY

Joanne L. Miller
 Product Manager (23)
 Fungicide-Herbicide Branch
 Registration Division (H-75050)

CONCURRENCES

SYMBOL	H-75050-116						
SURNAME	Motzer						
DATE	6/25/92						

ELANCO ID 5011

Herbicide

Treflan
E.C.

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

Active ingredient:

trifluralin (a.e.a.-trifluoro-2,6-
dinitro-N,N-dipropyl-p-toluidine) 44.5%

Inert ingredients 55.5%

Contains 4 pounds active ingredient per gallon.

*Treflan®—(trifluralin, Elanco)

Manufactured using the processes

of U.S. Patents 4,120,905 and 4,228,789.

Keep Out of Reach of Children.

WARNING

See additional precautionary
statements inside booklet.

See directions for use inside booklet.

Net Contents 2½ Gallons

EPA Reg. No. 1471-35

EPA Est. 1471-IN-2

FN 0789

Elanco Products Company

A Division of Eli Lilly and Company

Indianapolis, IN 46285, U.S.A.

Directions for Use

See literature for Complete 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.

Precautionary Statements

Hazards to Humans and Domestic Animals WARNING

Do not get in eyes. Avoid contact with skin and clothing.
Harmful if swallowed or absorbed through the skin.

Treflan E.C. 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.

First Aid: In case of contact, immediately flush eyes or skin
with plenty of water. For eyes, call a physician. Remove and
wash contaminated clothing before reuse.

Environmental Hazards

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 equipment or disposal of waste.
Refer to product labeling for use restrictions to protect
endangered species.

STORAGE AND DISPOSAL

Storage: Avoid freezing. Store above 40°F. If frozen,
poor weed control may result. Do not store near heat or
open flame. Store in original container only. In case of
leak or spill, use absorbent materials to contain liquids
and dispose as waste.

Pesticide Disposal: Do not contaminate water, food or
feed by storage or disposal. Waste resulting from the
use of this product may be disposed of on site or at an
approved waste disposal facility.

Container Disposal: Triple rinse (or equivalent). Then
offer for recycling or reconditioning, or puncture and
dispose of in a sanitary landfill, or incineration, or, if
allowed by state and local authorities, by burning. If
burned, stay out of smoke.

The manufacturer makes no warranties, express or implied, concerning this product or its use, which extend beyond the
description on the label or in literature published by Elanco Products Company, and all statements made concerning this
product apply only when used as directed. Elanco Products Company expressly disclaims all warranties, express or implied,
in relation to any use of the product in combination or sequential use with any other product not specifically recommended
in writing by Elanco Products Company. If used in a combination or sequential use recommended by Elanco Products
Company, the liability of Elanco shall in no manner extend to any damage, loss or injury not directly caused by the inclusion
of the Elanco product in such combination or sequential use.

WU 1651 AMX

Avoid Freezing—Store Above 40°F.

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62719-93

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Dry Bean—Trellan/Eptam tank mix:

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

Henbit	Nat. wild
(Spring applications)	Ragweed, common
Nightshade, black	Smartweed,
Nightshade, hairy	Pennsylvania
Nutsedge	Velvetleaf (Buttonweed)

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

Broadcast Rates Per Acre

Soil Texture	Trellan E.C.		Eptam 7E
	Areas receiving less than 20" average annual rainfall*	Areas receiving greater than 20" average annual rainfall*	
	(pints)	(pints)	(pints)
Coarse	1	1	2 1/2-3 1/2**
Medium	1 1/4-1 1/2	1 1/4	2 1/2-3 1/2
Fine	1 1/4	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, 3 1/2 pints to control nutsedge and additional broadleaf weeds.

Precaution: Read the Eptam label before using. Observe all cautions and limitations of all products used in mixtures. The combination of Trellan and Eptam should not be used on soybeans, black-eyed peas (beans), lima beans and other flat-podded beans except Romano. Do not use the foliage from a crop treated with the Trellan/Eptam tank 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—(Guar and Mungbean)

Greens—Turnip greens grown for processing, Collard, Kale, and Mustard greens

Mustard—Grown for seed or processing for food in Minnesota and North Dakota

Apply and incorporate Trellan 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 Trellan 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 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. 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	Trellan E.C.
	(pints)
Coarse	1 1/4-1*
Medium	1-1 1/4
Fine	1 1/4-2

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 1/4 pints per acre in Alabama, Florida, Georgia, North Carolina, South Carolina and Virginia to control fall panicum and Texas panicum.

Precaution: Do not apply Trellan to corn grown for seed. Do not apply Trellan to corn or sorghum as a preplant or preemergence treatment, or crop injury may occur.

Hops

Apply and incorporate Trellan while 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.

Mint—(Established Peppermint and Spearmint)

Apply Trellan at a rate of 1 pint per acre on coarse soils, 1 1/4 pints on medium soils, and 1 1/2 pints on fine soils. Use incorporation equipment that will insure thorough soil mixing with minimum damage to the crop.

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~~Treflan* E.C. (EPA Reg. No. 62719-93)~~
~~Treflan M.T.F. (EPA Reg. No. 62710-116)~~
~~Treflan 5 (EPA Reg. No. 62710-118)~~
~~Treflan 80DC (EPA Reg. No. 62710-216)~~

For distribution and use only in the state of California

Treflan Application Over Standing or Shredded Cotton Stalks After September 1 for Weed Control in Cotton

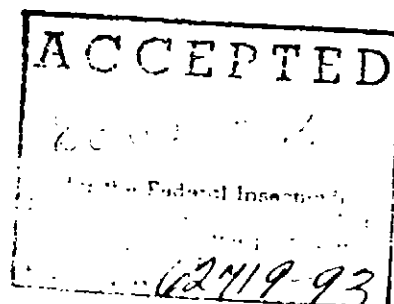
ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container for Treflan herbicide before applying. Carefully follow all precautionary statements and applicable use directions.
- Use of Treflan according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Treflan.

Directions for Use

Treflan may be broadcast applied, after September 1, over the top of standing cotton stalks or after shredding using ground or aerial equipment. Treflan must be incorporated once within 24 hours after application using a disc operated at 4 to 6 mph. The second incorporation may be delayed until spring prior to bedding. To avoid dilution of the herbicide or bringing untreated soil to the surface, the treatment should not be chiselled, ripped or deep plowed following incorporation.

Refer to the label of the Treflan product used for details on fall application, soil preparation, application rates and weeds controlled.



*Trademark of DowElanco

122-T2EAGXXX
Replaces EA3367

Amendments

- 1) Label edited to reflect DowElanco transfer.
- 2) Previously approved (Treflan 5); use over shredded cotton stalks after Sept. 1 is added to Treflan E.C., M.T.F. and 80DC labels.

Supplemental Labeling



DowElanco

Quad IV, 9002 Purdue Road

P.O. Box 681428

Indianapolis, Indiana 46268-1189 USA

~~Treflan® E.C. (EPA Reg. No. 62719-93)~~
~~Treflan M.T.F. (EPA Reg. No. 62719-116)~~
~~Treflan 5 (EPA Reg. No. 62719-118)~~
~~Treflan 80DC (EPA Reg. No. 62719-216)~~

For distribution and use only in the states of Arizona and California

Treflan 72 Hour Incorporation Delay

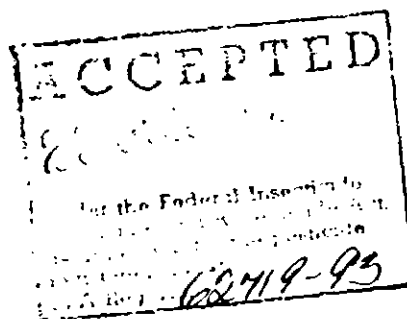
ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container for Treflan herbicide before applying. Carefully follow all precautionary statements and applicable use directions.
- Use of Treflan according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Treflan.

Directions for Use

When Treflan is applied as a preplant incorporated treatment, the first incorporation pass must be accomplished within 24 hours after application. In Arizona and California the incorporation delay has been extended from 24 to 72 hours when applied to dry soils. However, when Treflan is applied to warm soil or if wind velocity is 10 mph or higher, variable weed control may result from delaying the first incorporation beyond 24 hours.

Where two incorporation passes are required, the second incorporation may occur anytime prior to planting. Follow other recommended incorporation directions on the label for Treflan.



Trademark of DowElanco

123-T2EAGXXX Approved 1/1
Replaces EA5059

Amendments:

- 1) Label edited to reflect DowElanco transfer.
- 2) Previously approved (Treflan 5); incorporation delay of 72 hours added use to Treflan E.C., M.T.F. and 80DC labels.

Supplemental Labeling

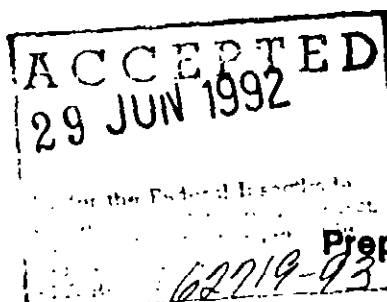


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Treflan* E.C. (EPA Reg. No. 62719-93)
~~**Treflan M.T.F.** (EPA Reg. No. 62719-116)~~
~~**Treflan 5** (EPA Reg. No. 62719-118)~~
~~**Treflan 80DC** (EPA Reg. No. 62719-316)~~
~~**Treflan TR-10** (EPA Reg. No. 62719-121)~~

**Preplant Soil Incorporated Treatment for Weed Control in
Chicory (*Cichorium Intybus* or *Cichorium endiva*)**

ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container for Treflan before applying. Carefully follow all precautionary statements and applicable use directions.
- Use of Treflan according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Treflan.

Directions for Use

Treflan may be applied to chicory grown either as a root crop or leafy vegetable as indicated below:

Cichorium Intybus, considered to be a root crop, may yield the following:

- **Chicory** - the dried and processed root used as a coffee substitute.
- **Radicchio** - green leaves harvested from field grown plantings.
- **Belgian Endive** - white leaves grown in the dark growth from field grown rootstalks.

Cichorium endiva, considered to be a leafy vegetable, may yield the following:

- **Escarole** - curly green leaves from field grown plantings.
- **Endive** - very curly green leaves from field grown plantings.

Apply Treflan as a soil incorporated treatment in spring or early summer prior to planting. Apply and incorporate Treflan according to directions on the Treflan label.

Broadcast Application Rates per Acre:

Soil Texture	Treflan E.C. or Treflan M.T.F. (pints)	Treflan 5 (pints)	Treflan 80DC (ounces)	Treflan TR-10 (pounds)
Coarse	1.0	0.8	10	5.0
Medium	1.5	1.2	15	7.5
Fine	2.0	1.6	20	10

- Coarse and medium soils with 2-5% organic matter - 1.5 pints of Treflan E.C. or M.T.F., 1.2 pints of Treflan 5, 15 ounces of Treflan 80DC, or 7.5 pounds of Treflan TR-10.
- Fine soils with 2-5% organic matter - 2.0 pints of Treflan E.C. or M.T.F., 1.6 pints of Treflan 5, 20 ounces of Treflan 80DC, or 10 pounds of Treflan TR-10.
- Soils with 5-10% organic matter - 2.0 pints of Treflan E.C. or M.T.F., 1.6 pints of Treflan 5, 20 ounces of Treflan 80 DC, or 10 pounds of Treflan TR-10.

*Trademark of DowElanco

T2EAGXXX Approved / /
Initial printing

Amendments:

- 1) Plant species classified as chicory defined.
- 2) Uses of plant parts of the crop chicory defined.