SAFFLOWER--Fall Application--(Arizona, California, Idaho, Montana, Nevada, Oregon, Utah, Washington and Wyoming:

Apply and incorporate TREFLAN any time between October 15 and December 31.

Ground may be left flat or bedded-up over winter. On bedded ground, knock beds down to desired height before planting, moving some treated soil from tops into furrows. Where soil is left flat over winter, take care during spring bedding operations to prevent turning up untreated soil. Destroy established weeds during seedbed preparation. If weeds become established in furrows due to uncovering of untreated soil during listing, destroy these weeds before planting.

Apply and incorporate TREFLAN at a broadcast rate of 7 1/2 pounds per acre on coarse soils; 10 pounds on medium soils; and 12 1/2 pounds on fine soils.

Do not apply TREFLAN in the fall to soils which are wet or are subject to prolonged periods of flooding.

SOYBEAN--TREFLAN ALONE

SOYBEAN--Preemergence:

Follow recommended soil preparation, application, and incorporation procedures

Broadcast Rates Per Acre

Soil Texture	TREFLAN-10G*	
	(pounds)	
Coarse	5	
Medium	7 1/2	
Fine	10	

*Use 7 1/2 pounds per acre on coarse and medium textured soils and 10 pounds on fine soils with 2-5% organic matter; use 10-12 1/2 pounds on all soils with 5-10% organic matter.

SOYBEAN--Fall Application:

Apply and incorporate TREFLAN any time between October 15 and December 31. Ground may be left flat or budded-up over winter. On bedded ground, knock beds down to desired height before planting, moving some treated soil from tops into furrows. Where soil is left flat over winter, take care during spring bedding operations to prevent turning up untreated soil. Destroy established weeds during seedbed preparation. If weeds become established in furrows due to uncovering of untreated soil during listing, destroy these weeds before planting. Do not apply TREFLAN in the fall to soils which are wet, are subject to prolonged periods of flooding, or where rice was grown the previous year.

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For soybeans grown in Alabama, Arkansas, northern Florida, Georgia, Louisiana, Mississippi, southeastern Missouri Bootheel, North Carolina, Oklahoma, South Carolina, Tennessee and Texas, apply and incorporate TREFLAN at a broadcast rate of 10 pounds per acre on coarse and medium soils and 12 1/2 pounds on fine soils.

For soybeans grown in states other than those listed above, apply and incorporate TREFLAN at a broadcast rate of 5 pounds per acre on coarse soils; 7 1/2 pounds on medium soils; 10 pounds on fine soils; 7 1/2 pounds on coarse soils with 2-5% organic matter; and 10-12 1/2 pounds on soils with 5-10% organic matter.

SUGAR BEET

Broadcast TREFLAN overtop when plants are between 2 and 6 inches tall at a rate of 5 pounds per acre on coarse soils and 6 1/4 to 7 1/2 pounds on medium and fine soils. Use the higher rate for medium and fine soils in areas receiving more than 20" average annual rainfall. Set incorporation machinery to throw treated soil toward the plants in the row. Be careful that
incorporation machinery does not damage the sugar beet taproot.

Precaution: Exposed beet roots should be covered with soil before a TREFLAN application to reduce the possibility of girdling.

SUNFLOWER--TREFLAN ALONE

Apply and incorporate TREFLAN in the spring or in the fall between October 15 and December 31. Follow recommended soil preparation, application and incorporation procedures for TREFLAN.

Broadcast Rates Per Acre

	TREFLAN TR-10	
	Areas receiving less than 20"	Areas receiving greater than 20"
Soil Texture	average annual rainfall*	average annual rainfall*
	(pounds)	(pounds)
Coarse	5	5
Medium	6 1/4 - 7 1/2	7 1/2
Fine	7 1/2	10

*Use 7 1/2 to 10 pounds per acre on coarse and medium soils with 2-5% organic matter and 10 pounds on all soils with 5-10% organic matter.

TOMATO

For direct seeded tomato, apply TREFLAN at blocking or thinning to the soil between the rows and beneath the plants, and incorporate. For transplant tomato, apply and incorporate TREFLAN before transplanting. Do not apply TREFLAN after transplanting.

Broadcast Rates Per Acre

dead into ; e. vere	TREFLAN TR-10		
C. 11 Manager	Areas receiving less than 20" average annual	Areas receiving greater than 20" average annual	
Soil Texture	rainfall* (pounds)	rainfall* (pounds)	
Coarse	5	5	
Medium	6 1/4 - 7 1/2	7 1/2	
Fine	7 1/2	10	

*Use 7 1/2 pounds per acre on coarse and medium textured soils and 10 pounds on fine soils with 2-5% organic matter; use 10 pounds on all soils with 5-10% organic matter.

WHEAT (SPRING), DURUM AND BARLEY-SUMMER FALLOW

TREFLAN may be applied to coarse, medium and fine textured soils for control of labeled weeds in the summer fallow period and for pigeongrass (foxtail) control in wheat, durum, and barley seeded the following spring.

TREFLAN TR-10 may be applied to ground that has a manageable trash level, been fallow, pre-tilled, or to soil left with a stubble cover. The first incorporation is required within 24 hours after application. The second incorporation and subsequent tillage may be done whenever necessary to destroy resistant weed growth during the remainder of the fallow year. During the fallow year, susceptible weeds may not be controlled until after the second incorporation.

Broadcast Rates Per Acre

Application Date	TREFLAN TR-10 (pounds)
April 15 to May 31 June 1 to June 30	10 8 3/4
July 1 to July 31	7 1/2
August 1 to August 31	6 1/4

Incorporation Directions: Incorporate TREFLAN one (1) time within twenty-four (24) hours after application. Care should be taken to ensure that the second incorporation and subsequent tillages are more shallow than the first. Incorporate and till the TREFLAN treated ground with the following equipment:

I. Chisel plow:

Operate at 4-5 inches deep at 4-6 mph. A chisel plow is defined as having 3 rows of 14 to 18 inch sweeps on no greater than 12 inch center. Stagger sweeps so that no soil is left unturned. Chisel points should not be used.

2. Tandem disc:

Operate at 3-4 inches deep at 4-6 mph.

3. Field cultivator:

Operate at 3-4 inches deep at 5 mph or more. A field cultivator is defined as having 3 to 4 rows of sweeps with "c" or "s" shaped shanks, spaced 7 inches or less and staggered so that no soil is left unturned.

Seeding Directions: Wheat, durum, or barley should be seeded approximately two (2) inches deep.

Precautions: While use of this practice may result in a stand reduction, slight stand reductions do not normally affect yield.

WHEAT (SPRING), DURUM AND BARLEY--FALL APPLICATION

For the control of foxtail (pigeongrass), apply TREFLAN at a broadcast rate of 5 pounds per acre on coarse and medium soils and 7 1/2 pounds on fine soils.

Incorporation Directions: Any of the following tools are recommended for fall incorporation. The disc or field cultivator may be used for the spring incorporation pass. Care should be taken to operate the tool at a more shallow depth than the fall incorporation.

1. Chisel plow:

hay be used for first pass only. Operate at 4-5 inches deep at 4-6 mph. A chisel plow is defined as having 3 rows of 14 to 18 inch sweeps on no greater than 12 inch center. Stagger sweeps so that no soil is left unturned. Chisel points should not be used.

2. Tandem disc:

Operate at 3-4 inches deep at 4-6 mph.

3. Field cultivator:

Operate at 3-4 inches deep at 5 mph or more. A field cultivator is defined as having 3 to 4 rows of sweeps with "c" or "s" shaped shanks, spaced 7 inches or less and staggered so that no soil is left unturned.

Seeding Directions: Wheat, durum, or barley should be seeded approximately two (2) inches deep.

Precautions: While use of this practice may result in a stand reduction, slight stand reductions do not normally affect yield.

WHEAT (WINTER) -- (Idaho, Montana, Oregon and Washington):

TREFLAN may be applied for preplant preemergence control of cheatgrass and other annual grasses and broadleaf weeds controlled by TREFLAN.

Apply TREFLAN any time up to three (3) weeks prior to planting. Broadcast TREFLAN at a rate of 7 1/2 pounds per acre on coarse and medium soils and 10 pounds on fine soils.

Incorporation Directions: Incorporate TREFLAN into the soil with a flexible tine-tooth harrow, (Flextine or Melroe), set to cut one (1) to two (2) inches deep and operate at 3 to 6 mph. Incorporate one (1) time within 24 hours after application, followed by a second incorporation at least five (5) days after the first pass in a different direction prior to planting. Do not till the soil with a disc after the TREFLAN has been incorporated with a flexible time harrow.

Seeding Directions--Use only a deep furrow or semi-deep furrow drill that will place the seed below the zone of soil into which TREFLAN has been incorporated.

Precaution: Do not plant wheat directly into the zone of soil treated with TREFLAN as injury to the crop (delay in emergence or stand reduction) may occur. Delayed emergence or slight stand reductions do not normally affect yield.

WHEAT (WINTER) -- Fallow Soil Application (Idaho, Montana, Oregon and Washington)

TREFLAN applied and shallowly incorporated into fallow soil up to four (4) months ahead of planting will control cheatgrass and certain annual grasses and broadleaf weeds.

Broadcast rates are 7 1/2 pounds per acre on coarse and medium soils and 10 pounds on fine soils. Apply TREFLAN any time from May to September prior to the fall planting of winter wheat.

Incorporation Directions: Incorporate TREFLAN with a flexible tine-tooth harrow, (Flextine or Melroe), set to cut one (1) to two (2) inches deep and operated at three (3) to six (6) mph. For thorough incorporation, two (2) passes of the equipment in different directions over the field are necessary. Incorporate one (1) time within 24 hours after application followed by a second incorporation at least five (5) days after the first prior to seeding. Do *** till the soil with a disc after TREFLAN has been incorporated with a faithle line harrow.

Feeding Pirections: Use only a deep furrow or semi-deep furrow drill that will place the seed below the zone of soil into which TREFLAN has been incorporated.

Precaution: Do not plant wheat directly into the zone of soil treated with TREFLAN as injury to the crop (delay in emergence or stand reduction) may occur. Delayed emergence or slight stand reductions do not normally affect yield.

FALL APPLICATION

General: (Areas receiving more than 20" averge annual rainfall). See specific crop for recommendations. For all crops for which there are no specific fall application instructions and for which TREFLAN is recommended as a preemergence application, use the rates listed for spring applications. Do not apply TREFLAN in the fall for sugar beets, potatoes and direct seeded tomatoes.

In most states: Apply and incorporate TREFLAN any time between October 15 and December 31.

In California, Minnesota, Montanta, North and South Dakota: Apply and incorporate TREFLAN anytime between September 1 and December 31. Ground may be left flat or bedded-up over winter. On bedded ground, knock beds down to desired height before planting, moving some treated soil from beds into furrows. Where soil is left over winter, be careful not to turn up untreated soil during spring bedding operations. Destroy established weeds during seedbed preparation.

If weeds become established in furrows due to uncovering of untreated soil during bedding, destroy these weeds before planting. Do not apply TREFLAN in the fall to soils which are wet, are subject to prolonged periods of flooding, or where rice was grown the previous year.

STORAGE AND DISPOSAL

Do not contaminate water, food, feed, other pesticides, fertilizer or seeds.

Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of bags in a sanitary landfill or by incineration if allowed by State and local authorities. If burned, stay out of smoke.

SPECIAL PRECAUTIONS

Applied according to directions and under normal growing conditions, TREFLAN will not harm the treated crop. Overapplication may result in crop injury or a soil residue. Uneven application or improper soil incorporation of TREFLAN can result in erratic weed control or crop injury. Seedling disease, cold weather, deep planting, excessive moisture, high salt concentration or drought may weaken crop seedlings and increase the possibility of damage from TREFLAN. Under these conditions, delayed crop development or reduced yields may result.

In Arizona, Colorado, California, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming, sugar beets, red beets or spinach should not be planted for 12 months after a spring application or for 14 months after a fall application of TREFLAN. Plow the land to a depth of 12 inches prior to planting sugar beets to prevent the possibility of crop injury. Sorghum (milo), proso millet, corn or oats should not be planted for 14 months after a spring application or for 16 months after a fall application of TREFLAN to avoid crop injury. If land has not been irrigated, do not plant any of these crops for 18 months after a spring application or 20 months after a fall application of TREFLAN.

In those portions of Kansas, Nebraska, North Dakota, Oklahoma, South Dakota and Texas where at least 20 inches of irrigation and/or rainfall (total) was used to produce the crop, sorghum or oats should not be planted for 12 months after an application of TREFLAN.

If less than 20 inches of total water was used to produce the crop, do not plant sorghum, proso millet, or oats for 18 months after an application of TREFLAN. Cool, wet weather conditions during the early stage or prowth may increase the possibility of injury to sorghum.

In all other areas receiving greater than 20" rainfall/year:

Moldboard plow before planting sugar beets where a spring application of TREFLAN was made the previous season.

Vegetable Growing Areas:

Vegetable crops other than those listed on this label should not be planted within 5 months following the application of TREFLAN.

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through the skin. Avoid breathing dust. Avoid contact with skin, eyes or clothing. In case of contact, immeditely flush eyes or skin with plenty of water.

ENVIRONMENTAL HAZARD

This product is toxic to fish. Use with care when applying in areas adjacent to any body of water. Do not apply directly to water.

Do not contaminate water by cleaning of equipment or disposal of wastes.

TREFLAN PERFORMANCE GUARANTEE A Limited Warranty of TREFLAN Weed and Grass Control

Elanco Products Company warrants that TREFLAN will control the weeds and grasses as indicated on its current label when used according to label directions and subject to the following limitations:

- Purchaser must notify Elanco promptly if a lack of satisfactory control occurs. Notice must be given within ninety days after the first planting or after application of TREFLAN to the treated crop, whichever occurs later.
- 2. An Elanco representative must be satisfied that Purchaser used TREFLAN according to the label directions and must visually observe unsatisfactory control of weeds in the field.
- 3. The purchaser must provide an Elanco representative with an invoice or other satisfactory record which shows the price and quantity of TREFLAN purchased.
- 4. Elanco's liability will be limited to a refund of the purchase price of the TREFLAN applied to the acreage on which weed control was not satisfactory or, at the option of the Purchaser, a refund of an equivalent amount of TREFLAN.
- 5. Void outside the USA.

DISCLAIMER OF WARRANTIES

The warranty printed above is the only warranty applicable to this product. All other warranties, expressed or implied, including, but not limited to, any implied warranties of merchant bility and fitness for a particular purpose, are disclaimed.

LIMITATION OF DAMAGES

Elanco's liability, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the return of the amount of the purchase price of the TREFLAN and under no circumstances shall Elanco be liable for special, indirect or consequential damages.

INHERENT RISKS OF USE

Failure to carefully follow the directions for use of TREFLAN, as well as other factors such as seedling disease, cold weather, deep planting, excessive moisture, high salt concentration or drought, may result in unsatisfactory weed control or crop injury. Reduced yields may result under these conditions.

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Changes 1-18-84

ELANCO ID 5535

TREFLAN® Herbicide TR-10° Granules

Net Weight ____ Lbs.

1471-143

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

Active Ingredient:

*TREFLAN®, TR-10=--Trademarks for Elanco Products granular formulation of trifluralin containing 10 percent active ingredient.

Keep Out of Reach of Children

CAUTION

See back panel for additional precautionary statements.

EPA Reg. No. 1471-143

EPA Est. 0000-00-0

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. See Literature in Pocket of Bag for Complete Directions for Use.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed or absorbed through the skin. Avoid breathing dust. Avoid contract with skin, eyes or clothing. In case of contact, immediately flush eyes or skin with plenty of water.

Environmental Hazards

This product is toxic to fish. Use with care when applying in areas adjacent to any body of water. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

Storage and Disposal

Do not contaminate water, food, feed, other pesticides, fertilizer or seeds.

Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of bags in a sanitary landfill or by incineration if allowed by State and local authorities. 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. All statements made concerning this product apply only when used as directed.

Elanco Products Company . A Division of Eli Lilly and Company Indianapolis, IN +6285, U.S.A.

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1/16/84 Edition

ELANCO ID 5535

TREFLAN® Herbicide
TR-10
Granules

JAN 06 1084 1471-143

Complete Directions For Use Cautions and Limitations Crop Recommendations

ELANCO PRODUCTS COMPANY

A Division of Eli Lilly and Company
740 South Alabama Street
Indianapolis, Indiana 46285, U.S.A.

TREFLAN®, TR-10" - the trademark for Elanco Products granular formulation of trifluralin containing 10 percent active ingredient.

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DIRECTIONS FOR USE

TREFLAN is a preemergence herbicide which is incorporated into the soil to provide long-lasting control of many annual grasses and broadleaf weeds. TREFLAN controls weeds as they germinate. TREFLAN will not control established weeds.

WEEDS AND GRASSES CONTROLLED BY TREFLAN

GRASSES

```
Annual bluegrass
                                   (Poa annua)
Barnyardgrass
                                   (Echinochloa sp.)
    (Watergrass)
                                   (Brachiaria sp.)
Brachiaria
    (Signalgrass)
Bromegrass
                                   (Bromus tectorum)
    (Cheatgrass)
    (Downy brome)
Cheat
                                   (Bromus secalinus)
    (Chess)
Crabgrass
                                      gitaria spp.)
    (Large crabgrass)
    (Smooth crabgrass)
                                   (Setaria spp.)
Foxtail
    (Bottlegrass)
    (Bristlegrass)
    (Giant foxtail)
    (Green foxtail)
    (Foxtail millet)
    (Pigeongrass)
    (Robust foxtail)
    (Yellow foxtail)
Goosegrass
                                   (Eleusine indica)
    (Silver crabgrass)
    (Silvergrass)
    (Wiregrass)
    (Yardgrass)
Johnsongrass (from seed)
                                   (Sorghum halepense)
Junglerice
                                   (Echinochloa colonum)
Sandbur
                                   (Cenchrus incertus)
    (Burgrass)
Sprangletop
                                   (Leptochloa filiformis)
                                   (Eragrostis ciltanensis)
Stinkgrass
    (lovegrass)
Wild Cane
                                   (Sorghum bicolor)
    (Shattercane)
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Wild oat l Woolly cupgrass

(Avena fatua) (Eriochloa villosa)

¹TREFLAN applied as a preplant incorporated (PPI) treatment will provide partial control of wild oats. This claim is for all PPI uses except fall applications for spring seeded cereals.

EROADLEAF WEEDS

Carpetweed (Mollugo verticillata) Chickweed (Stellaria media) Florida pusley (Richardia scabra) (Florida purslane) (Mexican clover) (Pusley) (Chenopodium hybridum) Coosefoot Henbit (fall application only) (Lamium amplexicaule) Kno tweed (Polygonum aviculare) Lambsquarters (Chenopodium album) Pigweed (Amaranthus spp.) (Carelessweed) (Prostrate pigweed) (Redroot pigweed) (Rough pigweed) (Spiny pigweed) Puncturevine (Western U.S. only) (Tribulus terrestris) (Caltrop) (Goathead) (Portulaca oleracea) Purslane Stinging nettle (Urtica dioica)

SOIL PREPARATION

(Nettle)

Crop Residues or Existing Weeds: Apply TREFLAN to soil that has a manageable trash level, been fallowed, pre-tibled or to soil that has standing stubble. A manageable level of such ground cover would allow the TREFLAN to be uniformly incorporated into the top 2 to 3 inches of the final seedbed.

Roughness: The soil surface should be smooth enough so that application and incorporation equipment can be operated efficiently and at speeds which ensure a uniform application and incorporation of TREFLAN.

General Soil Conditions: To assure uniform incorporation of TREFLAN, soil moisture conditions should be such that large clods can be broken up during the incorporation process.

SOIL TEXTURE GUIDE

The amount of TREFLAN applied will vary with the soil texture and organic matter. A fine textured soil will require more TREFLAN per acre than a coarse soil. Choose the proper rate for each application based on the following soil texture group and specific crop recommendations. Do not exceed recommended rates.

Soil Texture	Soil Classification	
Coarse Soils: (Light)	Sand, loamy sand, sandy loam	
Medium Soils:	Loam, silty clay loam*, silt loam, silt, sandy clay loam*	
Fine Soils: (Heavy)	Clay, clay loam, silty clay loam*, silty clay, sandy clay, sandy clay loam*	

*Silty clay loam and sandy clay loam soils are transitional soils and may be classified as either medium or fine textured soils. If silty clay loam or sandy clay loam soils are predominately sand or silt, they are usually classified as medium textured soils. If they are predominately clay, they are usually classified as fine textured soils.

APPLICATION DIRECTIONS

Apply TREFLAN with a properly calibrated herbicide applicator that will apply the granules uniformly. Calibrate the applicator according to the manufacturer's directions and check frequently during application to be certain that equipment is working properly. Avoid concentration of the material in narrow bands.

Freezing will not adversely affect this product. If product is frozen at time of application, agitate or thaw to produce a free-flowing granule.

INCORPORATION DIRECTIONS

Incorporation Equipment - General Directions

Use incorporation equipment that mixes TREFLAN into the top 2 to 3 inches of the final seedbed, or erratic weed control and/or crop injury may result. Incorporation equipment such as a disc will mix TREFLAN approximately half as deep as the equipment is set to operate. For example, a disc set to cut 4 inches deep will incorporate most of the TREFLAN within the top 2 inches of the final seedbed.

Incorporation Before Planting

TREFLAN must be incorporated one time within 24 hours after application. The second incorporation should be delayed at least five (5) days after the first, completed prior to planting, and should be run in a different direction from the first. Incorporate the TREFLAN uniformly into the top 2 to 3 inches of the final seedbed.

Incorporation After Planting

Check specific crop for incorporation directions after planting.

Incorporation In Bedded Culture

For effective weed control, TREFLAN needs to be incorporated into the top 2 to 3 inches of the final seedbed.

Application prior to bedding: Apply TREFLAN and incorporate it one time with recommended equipment. The bedding operation serves as the second incorporation. Do not expose untreated soil during post-bedding operations.*

Application after bedding: Knock off beds to planting height before applying TREFLAN. Apply TREFLAN and incorporate it with recommended equipment that will conform to the bed shape. Do not leave untreated soil exposed.*

*Avoid removal of treated soil from the seedbed before or during the planting operation. This would expose untreated soil, allowing weeds to germinate in the drill row.

Recommended Equipment

Any recommended incorporation tool may be used alone or in combination with any other recommended tool. Two incorporation passes are required unless specifically stated. The second incorporation should not be deeper than the first.

Disc: Set to cut 4 to 6 inches deep and operate at 4 to 6 mph.

Field Cultivator: Set to cut 3 to 4 inches deep and operate at 5 mph or more. A field cultivator is defined as an implement with 3 to 4 rows of sweeps, spaced at intervals of 7 inches or less and staggered so that no soil is left unturned. Chisel points should not be used.

Chisel Plow: (For use in northern Great Plains).

The chisel plow may be used for the first incorporation pass only. Any other recommended tool may be used for the second pass for row crops. The chisel plow may be used for any tillage or incorporation pass in the Summer Fallow program. Operate at 4-5 inches deep at 4-6 mph. A chisel plow is defined as having 3 rows of 14 to 18 inch sweeps on no greater than 12 inch center. Stagger sweeps so that no soil is left unturned. Chisel points should not be used.

Combination Seedbed Conditioners: Set to cut 3 to 4 inches deep and operate at a speed of at least 5 mph. These implements are defined as three or more tillage devices combined and used as a single tool. For example, 2 to 3 rows of field cultivator "c" or "s" shaped shanks with an effective sweep spacing of 6 to 9 inches (staggered so that no soil is left unturned), followed by a spike-tooth or flextine harrow, followed by a ground-driven reel or basket.

Rolling Cultivator: Set to cut 2 to 4 inches deep and operate at 6 to 8 mph. Rolling cultivators are adequate for use on coarse and medium textured soils only.

Mulch Treader (other similar disc-type implements): Set to cut 3 to 4 inches deep and operate at 5 to 8 mph.

P.T.O. Driven Equipment (tillers, cultivators, hoes): Adjust to incorporate TREFLAN into the top 2 to 3 inches of the seedbed with rotors spaced to provide a clean sweep of the soil. Only one incorporation is necessary. P.T.O. driven equipment should not be operated at a speed greater than 4 mph.

Other equipment, including the flexible time-tooth harrow, (Flextine, Melroe), is also recommended but only for the special programs for which it is specified in this label.

CULTIVATION AFTER PLANTING

Soil treated with TREFLAN may be shallow cultivated without reducing the weed control activity of TREFLAN. Do not cultivate deeper than the treated soil since this may bring untreated soil to the surface, and poor weed control may result.

CROP RECOMMENDATIONS

These recommendations are given as the broadcast rates of TREFLAN per acre. Apply any time after January I when the soil can be worked and is suitable for good incorporation—see specific crop for recommendations. Where a rate range is shown, use the lower rate for coarser soils or soils with lower organic matter. TREFLAN should not be used on soils containing more than 10% organic matter or on much soils.

In areas receiving less than 20" average annual rainfall per year, apply TREFLAN to established alfalfa stands at a broadcast rate of 7 1/2 pounds per acre on coarse soils and 10 pounds on medium and fine soils. Use incorporation equipment that will ensure thorough soil mixing with minimum damage to the established alfalfa.

FOR THE FOLLOWING CROP GROUPING, USE THE RATE TABLE BELOW.

CASTOR BEAN

COLE CROPS--TRANSPLANT

(Broccoli, Brussels Sprout, Cabbage and Cauliflower). See next section for direct seeded.

Apply and incorporate prior to transplanting only.

OKRA

PEPPER--TRANSPLANT

Apply and incorporate prior to transplanting only.

SOUTHERN PEA--(Before planting only.)

Apply and incorporate TREFLAN before planting, at planting or immediately after planting, unless otherwise indicated.

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Broadcast Rates Per Acre

modelast lates for here	TREFLAN_TR-10		
	Areas receiving less than 20"	Areas receiving greater than 20"	
Soil Texture	average annualrainfall*	average annual rainfall*	
	(pounds)	(pounds)	
Coarse	5	5	
Medium	6 1/4 - 7 1/2	7 1/2	
Fine	7 1/2	10	

*Use 7 1/2 pounds per acre on coarse and medium textured soils and 10 pounds on fine soils with 2-5% organic matter; use 10 pounds on all soils with 5-10% organic matter.

COLE CROPS--DIRECT SEEDED

(Broccoli, Brussels Sprout, Cabbage and Cauliflower). See above section for transplant.

For direct seeded cole crops, apply and incorporate TREFLAN before planting at a broadcast rate of 5 pounds per acre on coarse and medium soils and 7 1/2 pounds on fine soils and soils with 2-5% organic matter. Direct-seeded cole crops have exhibited marginal tolerance to recommended rates of TREFLAN. Stunting or reduced stands may occur.

CUCURBITS--POSTPLANT EMERGED (Cantaloupe, Cucumber and Watermelon)

Western United States including Texas:

Apply TREFLAN as a broadcast granule to the soil between the rows and beneath plants which are in the 3 to 4 true leaf stage.

Broadcast Rates Per Acre

	TREFLAN TR-10	
Soil Texture	Areas receiving less than 20" average annual rainfall* (pounds)	Areas receiving greater than 20" average annual rainfall* (pounds)
Coarse	5	5
Medium	6 1/4 - 7 1/2	7 1/2
Fine	7 1/2	10

*Use 7 1/2 pounds on coarse and medium textured soils and 10 pounds on fine soils with 2-5% organic matter; use 10 pounds on all soils with 5-10% organic matter.

Set incorporation equipment to throw treated soil around the plants during incorporation.

FRUIT AND NUT CROPS AND VINEYARDS

For areas receiving less than 20" average annual rainfall.

For new plantings of almond, apricot, citrus, nectarine, peach, pecan and walnut trees, apply and incorporate TREFLAN before planting at a broadcast rate of 5 pounds per acre on coarse soils; 6 1/4 to 7 1/2 pounds on medium soils; 7 1/2 pounds on fine soils; 7 1/2 to 10 pounds on soils with 2-5% organic matter; and 10 pounds on soils with 5-10% organic matter.

For new plantings of vineyards, apply and incorporate TREFLAN before planting at a broadcast rate of 5 to 7 1/2 pounds per acre on coarse soils; 7 1/2 to 15 pounds on medium soils; and 15 to 20 pounds on fine soils or soils with 2 to 10% organic matter. Do not use more than 10 pounds per acre on heat-treated grape rootings.

For postplant applications on bearing or non-bearing, established plantings of vineyards and almond, apricot, grapefruit, lemon, nectarine, orange, peach, pecan, plum, prune, tangelo, tangecine and walnut trees, apply TREFLAN at a broadcast rate of 10 to 20 pounds per acre for all soil textures. Do not apply to vineyards within 60 days of harvest.

In established plantings, apply TREFLAN to the soil and use incorporation methods not injurious to the trees or vines.

COTTON--TREFLAN ALONE

TREFLAN can be applied and incorporated before or at planting, immediately after planting, or at layby.

COTTON--Preemergence

Broadcast Rates Per Acre

	TREFLAN TR-10	
	Areas receiving less than 20"	Areas receiving greater than 20"
Soil Texture	average annual rainfall* (pounds)	average annual rainfall* (pounds)
Coarse	5	5
Medium	6 1/4 - 7 1/2	7 1/2
Fine	7 1/2	10

*Use 7 1/2 pounds per acre on coarse and medium textured soils and 10 pounds on fine soils with 2-5% organic matter; use 10 pounds on all soils with 5-10% organic matter.

COTTON--Postplant:

When incorporating TREFLAN after planting (postplant), be careful not to disturb the seed.

COTTON--Layby:

Apply and incorporate TREFLAN any time up to layby, but not less than 90 days before harvest. Direct the layby applications onto the soil between the rows and beneath emerged cotton plants. Use the same rates as for a preer organice application.

COTTON--Fall Application:

Apply and incorporate TREFLAN any time between October 15 and December 31. The ground may be left flat or bedded-up over winter. On bedded ground, knock beds down to desired height before planting, moving some treated soil from beds into furrows. Where soil is left flat over winter, be careful not to turn up untreated soil during spring bedding operations. Destroy established weeds during seedbed preparation. If weeds become established in furrows due to uncovering of untreated soil during bedding, destroy these weeds before planting. In the fall, do not apply TREFLAN to soils which are wet or subject to prolonged periods of flooding.

Broadcast Rates per Acre--Fall Application Only:

In Alabama, Arkansas, northern Florida, Georgia, Louisiana, Mississippi, southeastern Missouri bootheel, North Carolina, New Mexico, Oklahoma, South Carolina, Tennessee and Texas, apply and incorporate TREFLAN at a broadcast rate of 10 pounds per acre on coarse and medium soils and 12 1/2 pounds on fine soils.

In Arizona, California and Nevada, apply and incorporate TREFLAN at a broadcast rate of 7 1/2 pounds per acre on coarse soils; 10 pounds on medium soils; and 12 1/2 pounds on fine soils.

For cotton grown in other states, apply and incorporate TREFLAN at a broadcast rate of 5 pounds per acre on coarse soils; 7.1/2 pounds on medium soils; 10 pounds on fine soils; 7.1/2 pounds on coarse soils with 2-5% organic matter; and 10 to 12.1/2 pounds on soils with 5-10% organic matter.

DRY BEAN--TREFLAN ALONE

Apply and incorporate TREFLAN before planting using the following rates:

Broadcast Rates Per Acre

	TREFLAN TR-10	
	Areas receiving less than 20"	Areas receiving greater than 20"
Soil Tenture	average annual rainfall*	average annual rainfall*
	(pounds)	(pounds)
Coarse	5	5
Medium	6 1/4 - 71/2	7 1/2
Fine	7 1/2	10

^{*}Use 7 1/2 pounds per acre on coarse and medium textured soils and 10 pounds on fine soils with 2-5% organic matter; use 10 pounds on all soils with 5-10% organic matter.

DRY BEAN--Fall Application

Apply and incorporate TREFLAN any time between October 15 and December 31 at a broadcast rate of 5 pounds per acre on coarse soils; 6 1/4 to 7 1/2 pounds on medium soils; and 7 1/2 pounds on fine soils. Destroy established weeds during seedbed preparation.

FLAX--FALL APPLICATION

Apply and incorporate TREFLAN in the fall from September 1 to December 31.

Broadcast Rate Per Acre

Soil Texture	TREFLAN TR-10	
	(pounds)	
Coarse	\$	
Medium	7 1/2	
Fine	10	

SPECIAL INSTRUCTIONS FOR FLAX

- 1. Incorporation operations or any other tillages performed in the spring prior to seeding should be relatively shallow so as to maintain a firm seedhed, and the seedbed should be packed just prior to seeding.
- Seeding should be done with a press drill or hoe drill. Seed into a moist seedhed no more than 1 1/2 inches deep.
- 3. Flax should not be seeded until the seedbed has warmed up.

BEANS--(Lima Bean and Snap Bean):

Apply and incorporate TREFLAN before planting at a broadcast rate of 5 pounds per acre on coarse and medium soils and 7 1/2 pounds on fine soils.

MUSTARD--Grown for seed or processing for food in Minnesota, Montana and North Dakota:

Apply and incorporate TREFLAN before planting at 5 pounds per tre on coarse soils and 7 1/2 pounds on medium and fine soils.

PEANUT--(Spanish Peanut in Texas and Oklahoma):

Apply and incorporate TREFLAN before planting, at planting or immediately after planting at a broadcast rate of 5 pounds per acre on coarse soils. When incorporating after planting, take care not to disturb the seed.

RAPE

Apply and incorporate TREFLAN in the spring before planting or in the fall after September 1.

Broadcast Rates Per Acre:

Soil Texture	TREFLAN TR-10
	(pounds)
Coarse	5
Medium	7 1/2
Fine	10

SAFFLOWER

Follow recommended soil preparation, application and incorporation procedures for TREFLAN.

Apply and incorporate TREFLAN in the spring before planting or in the fall between October 15 and December 31.

Broadcast Rates Per Acre

	TREFLAN TR-10	
Soil Texture	Areas receiving less than 20" average annual rainfall* (pounds)	Areas receiving greater than 20" average annual rainfall* (pounds)
Coarse Medium Fine	5 6 1/4 - 7 1/2 7 1/2	5 7 1/2 10

^{*}Use 7 1/2 pounds per acre on coarse and medium textured soils and 10 pounds on fine soils with 2-5% organic matter; use 10 to 12 1/2 pounds on all soils with 5-10% organic matter.