

20 - 740

BEANS - GUAR AND MUNGBEAN

Apply and incorporate Treflan TR-10 before planting.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	7.5
Fine	7.5

• All soils with 2-5% organic matter - 7.5 lb

BEANS - LIMA BEAN AND SNAP BEAN

Apply and incorporate Treflan TR-10 before planting.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	5
Fine	7.5

• All soils with 2-5% organic matter - 7.5 lb

CARROT

Apply and soil incorporate Treflan TR-10 before planting.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	7.5 - 10

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- All soils with 5-10% organic matter - 10 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

CASTOR BEAN

Apply and soil incorporate Treflan TR-10 before planting.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	7.5 - 10

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- All soils with 5-10% organic matter - 10 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

CELERY

Apply as a soil incorporated treatment. Treflan TR-10 may be applied to direct seeded or transplant celery before planting, at planting or immediately after planting.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	7.5 - 10

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- All soils with 5-10% organic matter - 10 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

CHICORY / ENDIVE

Treflan TR-10 may be applied as a preplant incorporated treatment 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 TR-10 as a soil incorporated treatment in spring or early summer prior to planting. Apply and incorporate Treflan TR-10 according to directions on the label for Treflan TR-10.

Broadcast Application Rates per Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5.0
Medium	7.5
Fine	10

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- Soils with 5-10% organic matter - 10 lb

COLE CROPS - BROCCOLI, BRUSSELS SPROUTS, CABBAGE AND CAULIFLOWER

Direct Seeded Cole Crops

Apply and incorporate Treflan TR-10 before planting.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	5
Fine	7.5

- All soils with 2-5% organic matter - 7.5 lb

Precaution:

Direct seeded cole crops exhibit marginal tolerance to higher than recommended rates of Treflan TR-10. Stunting or reduced stands may occur.

Transplanted Cole Crops

Apply and incorporate Treflan TR-10 before transplanting.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	7.5 - 10

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- All soils with 5-10% organic matter - 10 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

CORN - FIELD CORN ONLY

Treflan TR-10 may be applied as a postemergence treatment following the use of a preemergence herbicide. Uniformly apply to the soil surface when crop is well established (2 true leaf stage or taller), or immediately after a cultivation, up to a height of 30 inches. Treflan TR-10 does not control established weeds.

Incorporation Directions

In corn, Treflan TR-10 should be incorporated within 24 hours after application. Incorporation may be accomplished with one pass of a sweep-type cultivator or properly adjusted rolling cultivator. The sweep-type cultivator should have 3 to 5 sweeps per row middle and be operated at a speed that will provide maximum soil movement. Set middle sweeps so as to avoid exposing untreated soil. Adjust incorporation equipment so as to avoid mechanical injury to the crop.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	3.75 - 5†
Medium	5 - 7.5
Fine	7.5 - 10

†Apply 5 to 7.5 lb/acre on coarse soils in Alabama, Florida, Georgia, North Carolina, South Carolina and Virginia to control fall panicum and Texas panicum.

- Apply lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

Precautions:

- Do not apply Treflan TR-10 to sweet corn or corn grown for seed.
- Do not apply Treflan TR-10 as a preplant or preemergence treatment or crop injury may occur.

COTTON

Apply and incorporate Treflan TR-10 before or at planting, immediately after planting, at layby or in the fall. When incorporating Treflan TR-10 after planting (postplant) be careful not to disturb the seed.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10		
	Spring† Application (pounds)	Fall Application	
		Eastern U.S.†† (pounds)	Western U.S.††† (pounds)
Coarse	5	10	7.5
Medium	6.25 - 7.5	10	10
Fine	7.5 - 10	12.5	12.5

†Spring Application:

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- All soils with 5-10% organic matter - 10 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

††Fall Application: Use rates for eastern cotton producing areas including: Alabama, Arkansas, northern Florida, Georgia, Louisiana, Mississippi, southeastern Missouri (Bootheel), North Carolina, New Mexico, Oklahoma, South Carolina, Tennessee and Texas.

†††Fall Application: Use rates for western cotton producing areas including: Arizona, California and Nevada.

For cotton grown in areas other than those listed above, fall apply Treflan TR-10 at broadcast rates recommended for areas receiving greater than 20 inches of annual rainfall and irrigation.

Layby Treatment

Apply and incorporate Treflan TR-10 any time up to layby, but not less than 90 days before harvest. Apply so as to achieve a uniform distribution of granules on the soil surface beneath cotton plants. Use the same rates as for preplant incorporated treatments. Soil incorporate using one pass of a sweep-type cultivator or properly adjusted rolling cultivator. Operate cultivation equipment at speeds sufficient to provide vigorous soil mixing and exercise care to avoid mechanical injury to the crop.

Preemergence Overlay Applications Following Treflan TR-10

Apply Treflan TR-10 as a preplant incorporated treatment. Additional weeds tolerant to Treflan TR-10 may be controlled using overlay applications of Cotoran, Karmex, Zorial or other products registered for use on cotton. Such applications may be made unless use following a Treflan TR-10 application is specifically prohibited by the product label. Consult the overlay product label for additional weeds controlled, directions for use, cautions and limitations before use.

Postemergence Applications Following Treflan TR-10

Apply Treflan TR-10 as a preplant incorporated treatment. Additional weeds tolerant to Treflan TR-10 may be controlled using postemergence applications of products registered for use on cotton. Such treatments may be made unless use following a Treflan TR-10 application is specifically prohibited by the product label. Consult the postemergence product label for additional weeds controlled, directions for use, cautions and limitations before use.

CUCURBITS - CANTALOUPE, CUCUMBER AND WATERMELON

Postemergence Application Only

Apply and incorporate Treflan TR-10 when plants have reached the 3 to 4 true leaf stage of growth. Set incorporation equipment to move treated soil around the base of plants during incorporation.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	7.5 - 10

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- All soils with 5-10% organic matter - 10 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

20 of 40

FLAX (Fall Application Only)

Apply and incorporate Treflan TR-10 in the fall between September 1 to December 31 in California, Minnesota, North Dakota and South Dakota, and between October 15 and December 31 in other states. Refer to instructions for fall application under "Application Timing" in the "General Information" section of this label.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	7.5
Fine	10

Special Instructions for Flax

1. Incorporation operations or other tillage performed in the spring prior to seeding should be relatively shallow so as to maintain a firm seedbed. The seedbed should be packed just prior to seeding.
2. Seeding should be done with a press drill or hoe drill. Seed into moist seedbed no more than 1.5 inches deep.
3. Flax should not be seeded until the seedbed has warmed up.

FORAGE LEGUMES

Forage Legumes Used as Cover Crops or in the Acreage Conservation Reserve Program

Apply Treflan TR-10 as a preplant incorporated treatment

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	5.0 - 7.5
Fine	7.5

- Apply lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

Precautions:

- If used under the Acreage Conservation Reserve Program, follow the most severe grazing restrictions imposed by the USDA Conservation Use Program. Consult the local ASCS committee or other State Agency to determine the period of the USDA grazing restriction.
- Some crop stand reduction may occur with this use; however, reduced weed competition will allow establishment of a quality stand.

GRAIN SORGHUM (MILO)

Treflan TR-10 may be applied as a postemergence treatment following the use of a preemergence herbicide. Uniformly apply to the soil surface when grain sorghum is 8 inches tall or taller. Treflan TR-10 does not control established weeds.

Soil Preparation

Cultivate before application to remove established weeds and cover the base of plants with soil. Set cultivation equipment to add approximately one inch of soil to the base of sorghum plants.

Activation and Incorporation Directions

In grain sorghum, Treflan TR-10 should be incorporated within 24 hours after application. Incorporation may be accomplished with one pass of a sweep-type cultivator or properly adjusted rolling cultivator. The sweep-type cultivator should have 3 to 5 sweeps per row middle and be operated at a speed sufficient to provide vigorous soil mixing. Set middle sweeps so as to avoid exposing untreated soil. Adjust incorporation equipment so as to avoid mechanical injury to the crop.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	4 - 5
Medium	5 - 7.5
Fine	7.5 - 10

• Apply lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

GREENS - TURNIP GREENS GROWN FOR PROCESSING: COLLARD, KALE AND MUSTARD GREENS

Apply to greens as a preplant incorporated treatment.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	7.5
Fine	7.5

HOPS

Apply and incorporate Treflan TR-10 to established hops during dormancy. Incorporate once using incorporation equipment that will insure thorough soil mixing with minimal damage to crop stand.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	6.25 - 7.5

• Coarse and medium soils with 2-5% organic matter - 7.5 lb

MUSTARD - GROWN FOR SEED OR PROCESSING FOR FOOD IN MINNESOTA, NORTH DAKOTA AND SOUTH DAKOTA

Apply and incorporate Treflan TR-10 before planting.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10
	(pounds)
Coarse	5
Medium	7.5
Fine	7.5

OKRA

Apply and incorporate Treflan TR-10 before planting.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10
	(pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	7.5 - 10

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- All soils with 5-10% organic matter - 10 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

PEAS - DRY PEA AND ENGLISH PEAS

Apply and incorporate Treflan TR-10 in the spring before planting or in the fall. Refer to instructions for fall application under "Application Timing" in the "General Information" section of this label.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10	
	Spring Application	Fall† Application
	(pounds)	(pounds)
Coarse	5	5
Medium	5	6.25 - 7.5
Fine	7.5	7.5

†Treflan TR-10 may be fall applied to Dry and English Peas in the states of Idaho, Oregon and Washington.

PEAS - SOUTHERN PEAS

Apply and incorporate Trellan TR-10 before planting.

Broadcast Application Rates/Acre:

Soil Texture	Trellan TR-10 (pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	7.5 - 10

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- All soils with 5-10% organic matter - 10 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

PEANUTS

Spanish Peanuts, Florunner and Florigiant Varieties (For Use in Texas, Oklahoma and New Mexico)

Apply and incorporate Trellan TR-10 before planting, at planting or immediately after planting. When incorporating after planting, take care not to disturb the seed.

Broadcast Application Rates/Acre:

Soil Texture	Trellan TR-10 (pounds)
Coarse	5
Medium	7.5

PEPPER (Transplant Only)

Apply and incorporate Trellan TR-10 prior to transplanting. Do not apply after transplanting.

Broadcast Application Rates/Acre:

Soil Texture	Trellan TR-10 (pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	7.5 - 10

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- All soils with 5-10% organic matter - 10 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

POTATOES (Not for Use In the State of Maine)

Apply and incorporate Trellan TR-10 after planting prior to crop emergence, immediately following dragoff, or after potato plants have fully emerged.

Incorporation: Set incorporation equipment so that the bed and furrow are uniformly covered with a layer of treated soil. If the layer of treated soil is not uniform and the herbicide is concentrated over the bed, potato emergence may be retarded and stem brittleness can occur. When applying and incorporating Trellan TR-10 after potato plants have fully emerged, do not completely cover the foliage with treated soil. Likewise, do not completely cover foliage during subsequent cultivations. Be careful that incorporation equipment does not damage seed pieces or elongating sprouts.

Broadcast Application Rates/Acre:

Soil Texture	Trellan TR-10 (pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	7.5 - 10

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Soils with 5-10% organic matter - 10 lb
- Use the lower rate in the rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

RAPSEED (CANOLA)

Apply and incorporate Trellan TR-10 in the spring or in the fall. See instructions for fall application under "Application Timing" in the "General Information" section of this label. Do not apply to rapeseed (canola) in the state of Alaska.

Broadcast Application Rates/Acre:

Soil Texture	Trellan TR-10 (pounds)
Coarse	5
Medium	7.5
Fine	10

SAFFLOWER

Apply and incorporate Treflan TR-10 in the spring before planting, or in the fall. See instructions for fall application under "Application Timing" in the "General Information" section of this label.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10	
	Spring [†] Application (pounds)	Fall ^{††} Application (pounds)
Coarse	5	7.5
Medium	6.25 - 7.5	10
Fine	7.5 - 10	12.5

[†]Spring Application:

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- All soils with 5-10% organic matter - 10-12.5 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

^{††}Treflan TR-10 may be fall applied to Safflower in Arizona, California, Idaho, Nevada, Oregon, Utah, Washington and Wyoming.

SMALL GRAINS - BARLEY, DURUM AND WHEAT

General Information

Special Precautions for Use of Treflan TR-10 on Small Grains

Carefully follow directions for use of Treflan TR-10 on small grains to minimize potential crop stress. Under certain conditions, delayed crop emergence and/or stand reduction may occur when Treflan TR-10 is applied to barley, durum or wheat. The combined effect of certain cultural practices and unfavorable soil or environmental conditions may cause excessive crop seedling stress resulting in retarded crop growth, stand reduction and possibly reduced yield. For best results, observe the following cultural practices or precautions:

Use tillage methods that provide a uniformly firm seedbed and time tillage operations to conserve moisture.

Irrigate prior to planting or after germination and emergence. Moisture received between planting and emergence may cause crusting, especially on loose, friable seedbeds.

Do not exceed recommended application rates for Treflan TR-10. This is particularly important on coarse textured or low organic matter soils.

Carefully follow incorporation directions. When applying preplant incorporated treatments, operate equipment at recommended depth and speed to place Treflan TR-10 into the upper 1 to 1.5 inches of soil. If applied after planting, set equipment so as to not disturb planted seed.

Set drills to place seed at the depth specified in use directions. A planting depth greater than 2.5 inches for spring wheat or durum will result in increased seedling stress and decreased emergence.

Use only high quality seed where Treflan TR-10 is to be applied (avoid use of small seed with low starch reserves).

If seed treatments are used, apply at the correct rate and uniformly across all seeds. Misapplication may result in reduced germination and/or seedling vigor.

Avoid use of seed varieties known to have poor seedling (emergence) vigor.

Do not fall apply Treflan TR-10 in combination with any other preplant incorporated herbicide.

Soil characteristics and environmental conditions which may contribute to crop seedling stress that may be accentuated by use of Treflan TR-10 include:

Soil related: High salinity, eroded knolls/hilltops, loose dry soils and compaction.

Weather related: Cold and/or wet soils, excessively hot soils, excessive moisture, drought, and soil crusting from heavy rainfall.

Note: Do not apply Treflan TR-10 on small grains where a dinitroaniline herbicide such as Treflan TR-10 was applied at a rate recommended for row crops (oil seeds) during the previous growing season.

Incorporation Directions and Equipment for Small Grains

Use incorporation equipment in the manner described below unless otherwise specified in use directions. Any of the following implements listed below may be used for the first incorporation of Treflan TR-10. Use only the disc or field cultivator for the second incorporation pass and incorporate in a different direction. Poor weed control may result if untreated soil is moved to the surface during the second incorporation pass. To avoid this problem, the second incorporation should not be deeper than the first.

Chisel Plow: May be used for the first incorporation pass only. Operate at 4 to 5 inches deep and at 4 to 6 mph. A chisel plow is defined as having 3 rows of 14 to 18 inch sweeps on no greater than 12 inch centers. Stagger sweeps so that no soil is left unturned. Use of chisel points may result in inadequate soil mixing.

Tandem Disc: Operate at 3 to 4 inches deep and at 4 to 6 mph.

Field Cultivator: Operate at 3 to 4 inches deep and at 5 or more mph. A field cultivator is defined as having 3 to 4 rows of sweeps with "c" or "s" shaped shanks on no greater than 7 inch centers. Stagger sweeps so that no soil is left unturned.

Application Directions for Small Grains

Barley, Spring Seeded – Fall Application for General Weed Control During the Following Season (For Use in Minnesota, North Dakota and South Dakota)

For general weed control (except for special rate or use programs) in Minnesota, North Dakota and South Dakota.

Apply in the fall for general weed control control during the following growing season. Incorporate one time within 24 hours. Incorporate a second time before planting to destroy existing weeds and insure uniform distribution of Treflan TR-10 in treated soil. For best weed control results, the second incorporation should occur at least 7 days after the first.

Note: See recommendations on incorporation and incorporation equipment at the beginning of the "Small Grains" section.

Planting Directions: Set planting equipment to place seed approximately 2 inches deep.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	7.5
Fine	7.5

Treflan TR-10 applied at 7.5 pounds per acre will provide partial control or suppression of kochia and Russian thistle.

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

Barley, Spring Seeded – Spring Application for Foxtail (Pigeongrass) Control (For Use In Minnesota, North Dakota and South Dakota)

Apply in the spring as a preplant incorporated treatment for foxtail (pigeongrass) control in spring seeded barley.

Incorporate one time within 24 hours. Incorporate a second time before planting to destroy existing weeds and insure uniform distribution of Treflan TR-10 in treated soil. For best weed control results, the second incorporation should occur at least 7 days after the first.

Note: See recommendations on incorporation and incorporation equipment at the beginning of the "Small Grains" section.

Planting Directions: Set planting equipment to place seed approximately 2 inches deep.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	5
Fine	5

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

Barley, Spring Seeded – Spring Application for Foxtail (Pigeongrass) Control In Barley Used as a Cover Crop or In the Acreage Conservation Reserve Program (For Use In Minnesota, North Dakota and South Dakota)

Apply in the spring as a preplant incorporated treatment for foxtail (pigeongrass) control in spring seeded barley used as a cover crop or to acreage in the conservation reserve programs.

Incorporate one time within 24 hours. Incorporate a second time before planting to destroy existing weeds and insure uniform distribution of Treflan TR-10 in treated soil. For best weed control results, the second incorporation should occur at least 7 days after the first.

Note: See recommendations on incorporation and incorporation equipment at the beginning of the "Small Grains" section.

Planting Directions: Set planting equipment to place seed approximately 2 inches deep.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	7.5
Fine	7.5

Precaution: Use of this practice may result in a slight stand reduction. Follow the most severe grazing restrictions imposed by either the label for Treflan TR-10 or the USDA Acreage Conservation Reserve Program, whichever is longest. Consult the local ASCS office or other state agency to determine the period of the USDA grazing restriction.

Spring Seeded Wheat or Durum – Fall Application for Foxtail (Pigeongrass) Control During the Following Growing Season

Apply in the fall for foxtail (pigeongrass) control during the following growing season. Incorporate one time within 24 hours. Incorporate a second time before planting to destroy existing weeds and insure a uniform distribution of Treflan TR-10 in treated soil.

Note: See recommendations on incorporation and incorporation equipment at the beginning of the "Small Grains" section.

Planting Directions: Set planting equipment to place seed approximately 2 inches deep.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	5
Fine	7.5

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

Winter Wheat – Treflan TR-10 Preplant Incorporated for Control of Cheatgrass and Other Annual Grasses (For Use in Idaho, Oregon and Washington)

Apply Treflan TR-10 as a preplant incorporated treatment up to 3 weeks before planting.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	7.5
Medium	7.5
Fine	10

Incorporation Directions: Incorporate Treflan TR-10 with a flexible tine-tooth harrow (Flextine or Melroe), set to cut 1 to 2 inches deep and operated at 3 to 6 mph. Thorough incorporation requires 2 incorporation passes over the field in different directions. Incorporate 1 time within 24 hours after application. A second incorporation pass prior to planting should occur at least 5 days after the first. Do not till the soil with a disc after Treflan TR-10 has been incorporated with a flexible tine harrow.

Planting Directions: Use only a deep furrow or semi-deep furrow drill that will place the seed below the zone into which Treflan TR-10 has been incorporated.

Precaution: Do not plant wheat directly into the zone of soil treated with Treflan TR-10 as crop injury (delayed emergence or stand reduction) may occur. Delayed emergence or slight stand reduction does not normally affect yield.

Winter Wheat – Fallow Soil Application of Treflan TR-10 for Annual Grass Control Prior to Planting (For Use in Idaho, Oregon and Washington)

Apply and shallowly incorporate Treflan TR-10 up to 4 months before planting to control cheatgrass and certain other annual grasses and broadleaf weeds during the fallow period and during the following growing season. Apply any time from May to September prior to fall planting of winter wheat.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	7.5
Medium	7.5
Fine	10

Incorporation Directions: Incorporate Treflan TR-10 with a flexible tine-tooth harrow (Flextine or Melroe), set to cut 1 to 2 inches deep and operated at 3 to 6 mph. Thorough incorporation requires 2 incorporation passes over the field in different directions. Incorporate 1 time within 24 hours after application. A second incorporation pass prior to planting should occur at least 5 days after the first. Do not till the soil with a disc after Treflan TR-10 has been incorporated with a flexible tine harrow.

Planting Directions: Use only a deep furrow or semi-deep furrow drill that will place the seed below the zone into which Treflan TR-10 has been incorporated.

Precaution: Do not plant wheat directly into the zone of soil treated with Treflan TR-10 as crop injury (delayed emergence or stand reduction) may occur. Delayed emergence or slight stand reduction does not normally affect yield.

Summer Fallow Weed Control With Treflan TR-10 Followed by Spring Seeded Wheat, Durum or Barley

Treflan TR-10 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 standing stubble or land which has been fallowed or pretilled. Existing weeds, surface trash or crop litter should be reduced by tillage if present in quantities that will prevent uniform soil incorporation. The first incorporation is required within 24 hours after application. The second incorporation may occur in conjunction with tillage 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 Application Rates/Acre:

Application Date	Treflan TR-10	
	Areas with Less than 10 inches annual rainfall	All Other Areas
Apr. 15-Apr. 30	(pounds) 8.75	(pounds) 10
May 1-May 31	8.75 - 7.5	10 - 8.75
June 1-June 30	7.5 - 6.25	8.75 - 7.5
July 1-July 31	6.25 - 5	7.5 - 6.25
Aug. 1-Aug. 31	5	6.25 - 5

Where a rate range is shown, use the higher rate per acre during the early part of an application period and the lower rate per acre during the latter part of an application period.

Incorporation: See recommendations on incorporation and incorporation equipment at the beginning of the "Small Grains" section.

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

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

SOYBEANS

Apply and incorporate Treflan TR-10 in the spring prior to planting or in the fall. See instructions for fall application under "Application Timing" in the "General Information" section of this label.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10	
	Spring† Application	Fall†† Application
Coarse	(pounds) 5	(pounds) 10
Medium	7.5	10
Fine	10	12.5

†Spring Application:

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- All soils with 5-10% organic matter - 10-12.5 lb

††Fall application use rates for soybeans grown in Alabama, Arkansas, Northern Florida, Georgia, Louisiana, Mississippi, southeastern Missouri (Bootheel), North Carolina, Oklahoma, South Carolina, Tennessee and Texas. For soybeans grown in areas other than those listed above, fall apply Treflan TR-10 at broadcast rates recommended for areas receiving greater than 20 inches of annual rainfall and irrigation.

Precaution: Do not fall apply Treflan TR-10 in the fall to soils which are wet or subject to prolonged periods of flooding, or where rice was grown the previous year.

Preemergence Overlay Applications Following Treflan TR-10 (Not for Use in California)

Apply Treflan TR-10 as a preplant incorporated treatment. Additional weeds tolerant to Treflan TR-10 may be controlled using preemergence overlay applications of Canopy, Dual, Gemini, Lasso, Lexone, Lorox, Lorox Plus, Preview, Pursuit†, Scepter††, Sencor or other products registered for use on soybeans. Such treatments may be made, unless use following a Treflan TR-10 application is specifically prohibited by the product label. Consult the overlay product label for additional weeds controlled, directions for use, cautions and limitations before use.

†The use of Pursuit is limited to certain states. Use Pursuit as an overlay treatment following Treflan TR-10 only in states specified on the Pursuit label.

††Use of Scepter is limited to certain states. Do not use Scepter as a preemergence overlay application following a Treflan TR-10 preplant incorporated treatment in the "Northern Use Area" as defined by the Scepter label.

Postemergence Treatments Following Treflan TR-10 (Not for Use in California)

Apply Treflan TR-10 as a preplant incorporated treatment. Additional weeds tolerant to Treflan TR-10 may be controlled using postemergence applications of Basagran, Blazer, Classic, Cobra, Galaxy, Pinnacle, Pursuit†, Reflex, Scepter††, Storm, Tackle, or other products registered for use on soybeans. Such treatments may be made, unless use following a Treflan TR-10 application is specifically prohibited by the product label. Consult the overlay or postemergence product label for additional weeds controlled, directions for use, cautions and limitations before use.

†Use of Pursuit is limited to certain states. Use Pursuit as a postemergence treatment following Treflan TR-10 only in states specified in the Pursuit label.

††Use of Scepter is limited to certain states. Do not use the Scepter as a postemergence application following a Treflan TR-10 preplant incorporated treatment in the "Northern Use Area" as defined by the Scepter label.

SUGAR BEETS

Apply and incorporate Treflan TR-10 when sugar beets are 2-6 inches tall.

Precautions: Exposed sugar beet roots should be covered with soil before applying Treflan TR-10 to reduce the possibility of girdling. When incorporating, set equipment to move treated soil into the row. Set incorporation equipment carefully so as to prevent damage to sugar beet tap root.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	6.25 - 7.5

Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

SUGARCANE

Apply and incorporate Trellan TR-10 twice a year. Make the first application in the fall on firmly packed beds immediately after the seed pieces are planted. Make a second application in the spring before or shortly after the cane emerges. Loosen rain-packed beds 2-3 inches deep before spring application. Take care that incorporation equipment does not damage the seed pieces or emerging shoots.

Broadcast Application Rates/Acre:

Soil Texture	Trellan TR-10 (pounds)
All Soil Textures	10 - 20

Application rate range may be adjusted according to weed pressure.

Applications Up to Layby for Plant Cane or Ratoon Cane (For Use in Louisiana and Texas)

Apply and incorporate Trellan TR-10 in the spring from shortly before or after cane emergence until layby. Apply after beds have been shaved or false shaved. Loosen rain-packed beds 2-3 inches deep before application. Avoid incorporation equipment damage to seed pieces or emerging shoots. Incorporate with a rolling cultivator or bed chopper for all soil textures. Set rolling cultivator to cut 2 to 4 inches deep and operate at 6 to 8 mph. Set bed chopper to cut 3 to 4 inches deep and operate at 4 to 6 mph. Two incorporation passes are necessary.

Broadcast Application Rates/Acre:

Soil Texture	Trellan TR-10 (pounds)
All Soil Textures	10 - 20

Application rate range may be adjusted according to weed pressure.

Itchgrass (Raoulgrass) Control (For Use in Louisiana)

Apply and incorporate Trellan TR-10 on plant or ratoon cane. Follow use directions in preceding section for layby application.

Broadcast Application Rates/Acre:

Soil Texture	Trellan TR-10 (pounds)
All Soil Textures	10 - 20

Application rate range may be adjusted according to weed pressure.

SUNFLOWER

Apply and incorporate Trellan TR-10 in the spring or in the fall between September 15 and December 31 in California, Minnesota, North Dakota and South Dakota, and between October 15 and December 31 in other states.

Broadcast Application Rates/Acre:

Soil Texture	Trellan TR-10 (pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	7.5 - 10

- Coarse and medium soils with 2-5% organic matter - 7.5-10 lb
- All soils with 5-10% organic matter - 10 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

TOMATO

For direct seeded tomato, apply Trellan TR-10 at blocking or thinning to the soil between rows and beneath plants and incorporate. For transplant tomato, apply and incorporate prior to transplanting only. Do not apply Trellan TR-10 after transplanting.

Broadcast Application Rates/Acre:

Soil Texture	Trellan TR-10 (pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	7.5 - 10

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- All soils with 5-10% organic matter - 10 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

TREE AND VINE CROPS - CITRUS, FRUIT AND NUT CROPS AND VINEYARDS

Application to New Plantings of Citrus, Fruit and Nut Crops

For new plantings of almond, apricot, grapefruit, lemon, nectarine, orange, peach, pecan, plum, prune, tangelo, tangerine and walnut trees, apply and incorporate Trellan TR-10 before planting.

Broadcast Application Rates/Acre:

Soil Texture	Trellan TR-10 (pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	7.5

- All soils with 2-5% organic matter - 7.5-10 lb
- All soils with 5-10% organic matter - 10 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

Application to New Plantings of Vineyards

For new plantings of vineyards, apply and incorporate Treflan TR-10 before planting.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5 - 7.5
Medium	7.5 - 15
Fine	15 - 20

- All soils with 2-10% organic matter - 15-20 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

Note: Do not use more than 10 lb/acre on heat treated grape rootings.

Application to Established Non-bearing and Bearing Citrus, Fruit and Nut Crops and Vineyards

Treflan TR-10 may be applied in established non-bearing and bearing vineyards and plantings of almond, apricot, grapefruit, lemon, nectarine, orange, peach, pecan, plum, prune, tangelo, tangerine and walnut trees. In established plantings, apply to the soil surface and use incorporation methods not injurious to the crop. Do not apply to vineyards within 60 days of harvest.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
All Soils	10 - 20

Use the higher rate in the rate range for longer term weed control.

Warranty Disclaimer

DowElanco warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. DOWELANCO MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of DowElanco or the seller. All such risks shall be assumed by Buyer.

Limitation of Remedies

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at DowElanco's election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used.

DowElanco shall not be liable for losses or damages resulting from handling or use of this product unless DowElanco is promptly notified of such loss or damage in writing. In no case shall DowElanco be liable for consequential or incidental damages or losses.

The terms of the "Warranty Disclaimer" above and this "Limitation of Remedies" cannot be varied by any written or verbal statements or agreements. No employee or sales agent of DowElanco or the seller is authorized to vary or exceed the terms of the "Warranty Disclaimer" or this "Limitation of Remedies" in any manner.

Copyright© 1993 DowElanco

CASTOR BEAN

Apply and soil incorporate Treflan TR-10 before planting.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	7.5 - 10

- Coarse and medium soils with 2-5% organic matter: - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- All soils with 5-10% organic matter - 10 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

CELERY

Apply as a soil incorporated treatment. Treflan TR-10 may be applied to direct seeded or transplant celery before planting, at planting or immediately after planting.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	7.5 - 10

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- All soils with 5-10% organic matter - 10 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

CHICORY / ENDIVE

Treflan TR-10 may be applied as a preplant incorporated treatment 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 TR-10 as a soil incorporated treatment in spring or early summer prior to planting. Apply and incorporate Treflan TR-10 according to directions on the label for Treflan TR-10.

BEST AVAILABLE COPY

Broadcast Application Rates per Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5.0
Medium	7.5
Fine	10

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- Soils with 5-10% organic matter - 10 lb

COLE CROPS - BROCCOLI, BRUSSELS SPROUTS, CABBAGE AND CAULIFLOWER**Direct Seeded Cole Crops**

Apply and incorporate Treflan TR-10 before planting.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	5
Fine	7.5

- All soils with 2-5% organic matter - 7.5 lb

Precaution:

Direct seeded cole crops exhibit marginal tolerance to higher than recommended rates of Treflan TR-10. Stunting or reduced stands may occur.

Transplanted Cole Crops

Apply and incorporate Treflan TR-10 before transplanting.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	7.5 - 10

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- All soils with 5-10% organic matter - 10 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

BEST AVAILABLE COPY

CORN - FIELD CORN ONLY

Treflan TR-10 may be applied as a postemergence treatment following the use of a preemergence herbicide. Uniformly apply to the soil surface when crop is well established (2 true leaf stage or taller), or immediately after a cultivation, up to a height of 30 inches. Treflan TR-10 does not control established weeds.

Incorporation Directions

In corn, Treflan TR-10 should be incorporated within 24 hours after application. Incorporation may be accomplished with one pass of a sweep-type cultivator or properly adjusted rolling cultivator. The sweep-type cultivator should have 3 to 5 sweeps per row middle and be operated at a speed that will provide maximum soil movement. Set middle sweeps so as to avoid exposing untreated soil. Adjust incorporation equipment so as to avoid mechanical injury to the crop.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	3.75 - 5†
Medium	5 - 7.5
Fine	7.5 - 10

†Apply 5 to 7.5 lb/acre on coarse soils in Alabama, Florida, Georgia, North Carolina, South Carolina and Virginia to control fall panicum and Texas panicum.

- Apply lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

Precautions:

- Do not apply Treflan TR-10 to sweet corn or corn grown for seed.
- Do not apply Treflan TR-10 as a preplant or preemergence treatment or crop injury may occur.

COTTON

Apply and incorporate Treflan TR-10 before or at planting, immediately after planting, at layby or in the fall. When incorporating Treflan TR-10 after planting (postplant) be careful not to disturb the seed.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10		
	Spring† Application (pounds)	Fall Application	
		Eastern U.S.†† (pounds)	Western U.S.††† (pounds)
Coarse	5	10	7.5
Medium	6.25 - 7.5	10	10
Fine	7.5 - 10	12.5	12.5

†Spring Application:

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- All soils with 5-10% organic matter - 10 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

††Fall Application: Use rates for eastern cotton producing areas including: Alabama, Arkansas, northern Florida, Georgia, Louisiana, Mississippi, southeastern Missouri (Bootheel), North Carolina, New Mexico, Oklahoma, South Carolina, Tennessee and Texas.

†††Fall Application: Use rates for western cotton producing areas including: Arizona, California and Nevada.

BEST AVAILABLE COPY

For cotton grown in areas other than those listed above, fall apply Treflan TR-10 at broadcast rates recommended for areas receiving greater than 20 inches of annual rainfall and irrigation.

Layby Treatment

Apply and incorporate Treflan TR-10 any time up to layby, but not less than 90 days before harvest. Apply so as to achieve a uniform distribution of granules on the soil surface beneath cotton plants. Use the same rates as for preplant incorporated treatments. Soil incorporate using one pass of a sweep-type cultivator or properly adjusted rolling cultivator. Operate cultivation equipment at speeds sufficient to provide vigorous soil mixing and exercise care to avoid mechanical injury to the crop.

Preemergence Overlay Applications Following Treflan TR-10

Apply Treflan TR-10 as a preplant incorporated treatment. Additional weeds tolerant to Treflan TR-10 may be controlled using overlay applications of Cotoran, Karmex, Zorial or other products registered for use on cotton. Such applications may be made unless use following a Treflan TR-10 application is specifically prohibited by the product label. Consult the overlay product label for additional weeds controlled, directions for use, cautions and limitations before use.

Postemergence Applications Following Treflan TR-10

Apply Treflan TR-10 as a preplant incorporated treatment. Additional weeds tolerant to Treflan TR-10 may be controlled using postemergence applications of products registered for use on cotton. Such treatments may be made unless use following a Treflan TR-10 application is specifically prohibited by the product label. Consult the postemergence product label for additional weeds controlled, directions for use, cautions and limitations before use.

CUCURBITS - CANTALOUPE, CUCUMBER AND WATERMELON

Postemergence Application Only

Apply and incorporate Treflan TR-10 when plants have reached the 3 to 4 true leaf stage of growth. Set incorporation equipment to move treated soil around the base of plants during incorporation.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	7.5 - 10

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- All soils with 5-10% organic matter - 10 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

BEST AVAILABLE COPY

FLAX (Fall Application Only)

Apply and incorporate Treflan TR-10 in the fall between September 1 to December 31 in California, Minnesota, North Dakota and South Dakota, and between October 15 and December 31 in other states. Refer to instructions for fall application under "Application Timing" in the "General Information" section of this label.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	7.5
Fine	10

Special Instructions for Flax

1. Incorporation operations or other tillage performed in the spring prior to seeding should be relatively shallow so as to maintain a firm seedbed. The seedbed should be packed just prior to seeding.
2. Seeding should be done with a press drill or hoe drill. Seed into moist seedbed no more than 1.5 inches deep.
3. Flax should not be seeded until the seedbed has warmed up.

FORAGE LEGUMES

Forage Legumes Used as Cover Crops or in the Acreage Conservation Reserve Program

Apply Treflan TR-10 as a preplant incorporated treatment

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	5.0 - 7.5
Fine	7.5

- Apply lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

Precautions:

- If used under the Acreage Conservation Reserve Program, follow the most severe grazing restrictions imposed by the USDA Conservation Use Program. Consult the local ASCS committee or other State Agency to determine the period of the USDA grazing restriction.
- Some crop stand reduction may occur with this use; however, reduced weed competition will allow establishment of a quality stand.

BEST AVAILABLE COPY

GRAIN SORGHUM (MILO)

Treflan TR-10 may be applied as a postemergence treatment following the use of a preemergence herbicide. Uniformly apply to the soil surface when grain sorghum is 8 inches tall or taller. Treflan TR-10 does not control established weeds.

Soil Preparation

Cultivate before application to remove established weeds and cover the base of plants with soil. Set cultivation equipment to add approximately one inch of soil to the base of sorghum plants.

Activation and Incorporation Directions

In grain sorghum, Treflan TR-10 should be incorporated within 24 hours after application. Incorporation may be accomplished with one pass of a sweep-type cultivator or properly adjusted rolling cultivator. The sweep-type cultivator should have 3 to 5 sweeps per row middle and be operated at a speed sufficient to provide vigorous soil mixing. Set middle sweeps so as to avoid exposing untreated soil. Adjust incorporation equipment so as to avoid mechanical injury to the crop.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	4 - 5
Medium	5 - 7.5
Fine	7.5 - 10

• Apply lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

GREENS - TURNIP GREENS GROWN FOR PROCESSING: COLLARD, KALE AND MUSTARD GREENS

Apply to greens as a preplant incorporated treatment.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	7.5
Fine	7.5

HOPS

Apply and incorporate Treflan TR-10 to established hops during dormancy. Incorporate once using incorporation equipment that will insure thorough soil mixing with minimal damage to crop stand.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	6.25 - 7.5

• Coarse and medium soils with 2-5% organic matter - 7.5 lb

BEST AVAILABLE COPY

27 7 40

MUSTARD - GROWN FOR SEED OR PROCESSING FOR FOOD IN MINNESOTA, NORTH DAKOTA AND SOUTH DAKOTA

Apply and incorporate Treflan TR-10 before planting.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	7.5
Fine	7.5

OKRA

Apply and incorporate Treflan TR-10 before planting.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	7.5 - 10

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- All soils with 5-10% organic matter - 10 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

PEAS - DRY PEA AND ENGLISH PEAS

Apply and incorporate Treflan TR-10 in the spring before planting or in the fall. Refer to instructions for fall application under "Application Timing" in the "General Information" section of this label.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10	
	Spring Application (pounds)	Fall Application (pounds)
Coarse	5	5
Medium	5	6.25 - 7.5
Fine	7.5	7.5

Treflan TR-10 may be fall applied to Dry and English Peas in the states of Idaho, Oregon and Washington.

BEST AVAILABLE COPY

PEAS - SOUTHERN PEAS

Apply and incorporate Treflan TR-10 before planting.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10
	(pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	7.5 - 10

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- All soils with 5-10% organic matter - 10 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

PEANUTS

Spanish Peanuts, Florunner and Florigiant Varieties (For Use in Texas, Oklahoma and New Mexico)

Apply and incorporate Treflan TR-10 before planting, at planting or immediately after planting. When incorporating after planting, take care not to disturb the seed.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10
	(pounds)
Coarse	5
Medium	7.5

PEPPER (Transplant Only)

Apply and incorporate Treflan TR-10 prior to transplanting. Do not apply after transplanting.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10
	(pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	7.5 - 10

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- All soils with 5-10% organic matter - 10 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

POTATOES (Not for Use in the State of Maine)

Apply and incorporate Treflan TR-10 after planting prior to crop emergence, immediately following dragoff, or after potato plants have fully emerged.

Incorporation: Set incorporation equipment so that the bed and furrow are uniformly covered with a layer of treated soil. If the layer of treated soil is not uniform and the herbicide is concentrated over the bed, potato emergence may be retarded and stem brittleness can occur. When applying and incorporating Treflan TR-10 after potato plants have fully emerged, do not completely cover the foliage with treated soil. Likewise, do not completely cover foliage during subsequent cultivations. Be careful that incorporation equipment does not damage seed pieces or elongating sprouts.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	7.5 - 10

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Soils with 5-10% organic matter - 10 lb
- Use the lower rate in the rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

RAPSEED (CANOLA)

Apply and incorporate Treflan TR-10 in the spring or in the fall. See instructions for fall application under "Application Timing" in the "General Information" section of this label. Do not apply to rapeseed (canola) in the state of Alaska.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	7.5
Fine	10

BEST AVAILABLE COPY

SAFFLOWER

Apply and incorporate Treflan TR-10 in the spring before planting, or in the fall. See instructions for fall application under "Application Timing" in the "General Information" section of this label.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10	
	Spring† Application (pounds)	Fall†† Application (pounds)
Coarse	5	7.5
Medium	6.25 - 7.5	10
Fine	7.5 - 10	12.5

†Spring Application:

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- All soils with 5-10% organic matter - 10-12.5 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

††Treflan TR-10 may be fall applied to Safflower in Arizona, California, Idaho, Nevada, Oregon, Utah, Washington and Wyoming.

SMALL GRAINS - BARLEY, DURUM AND WHEAT

General Information

Special Precautions for Use of Treflan TR-10 on Small Grains

Carefully follow directions for use of Treflan TR-10 on small grains to minimize potential crop stress. Under certain conditions, delayed crop emergence and/or stand reduction may occur when Treflan TR-10 is applied to barley, durum or wheat. The combined effect of certain cultural practices and unfavorable soil or environmental conditions may cause excessive crop seedling stress resulting in retarded crop growth, stand reduction and possibly reduced yield. For best results, observe the following cultural practices or precautions:

Use tillage methods that provide a uniformly firm seedbed and time tillage operations to conserve moisture.

Irrigate prior to planting or after germination and emergence. Moisture received between planting and emergence may cause crusting, especially on loose, friable seedbeds.

Do not exceed recommended application rates for Treflan TR-10. This is particularly important on coarse textured or low organic matter soils.

Carefully follow incorporation directions. When applying preplant incorporated treatments, operate equipment at recommended depth and speed to place Treflan TR-10 into the upper 1 to 1.5 inches of soil. If applied after planting, set equipment so as to not disturb planted seed.

Set drills to place seed at the depth specified in use directions. A planting depth greater than 2.5 inches for spring wheat or durum will result in increased seedling stress and decreased emergence.

Use only high quality seed where Treflan TR-10 is to be applied (avoid use of small seed with low starch reserves).

BEST AVAILABLE COPY

If seed treatments are used, apply at the correct rate and uniformly across all seeds. Misapplication may result in reduced germination and/or seedling vigor.

Avoid use of seed varieties known to have poor seedling (emergence) vigor.

Do not fall apply Treflan TR-10 in combination with any other preplant incorporated herbicide.

Soil characteristics and environmental conditions which may contribute to crop seedling stress that may be accentuated by use of Treflan TR-10 include:

Soil related: High salinity, eroded knolls/hilltops, loose dry soils and compaction.

Weather related: Cold and/or wet soils, excessively hot soils, excessive moisture, drought, and soil crusting from heavy rainfall.

Note: Do not apply Treflan TR-10 on small grains where a dinitroaniline herbicide such as Treflan TR-10 was applied at a rate recommended for row crops (oil seeds) during the previous growing season.

Incorporation Directions and Equipment for Small Grains

Use incorporation equipment in the manner described below unless otherwise specified in use directions. Any of the following implements listed below may be used for the first incorporation of Treflan TR-10. Use only the disc or field cultivator for the second incorporation pass and incorporate in a different direction. Poor weed control may result if untreated soil is moved to the surface during the second incorporation pass. To avoid this problem, the second incorporation should not be deeper than the first.

Chisel Plow: May be used for the first incorporation pass only. Operate at 4 to 5 inches deep and at 4 to 6 mph. A chisel plow is defined as having 3 rows of 14 to 18 inch sweeps on no greater than 12 inch centers. Stagger sweeps so that no soil is left unturned. Use of chisel points may result in inadequate soil mixing.

Tandem Disc: Operate at 3 to 4 inches deep and at 4 to 6 mph.

Field Cultivator: Operate at 3 to 4 inches deep and at 5 or more mph. A field cultivator is defined as having 3 to 4 rows of sweeps with "c" or "s" shaped shanks on no greater than 7 inch centers. Stagger sweeps so that no soil is left unturned.

Application Directions for Small Grains

Barley, Spring Seeded – Fall Application for General Weed Control During the Following Season (For Use in Minnesota, North Dakota and South Dakota)

For general weed control (except for special rate or use programs) in Minnesota, North Dakota and South Dakota.

Apply in the fall for general weed control during the following growing season. Incorporate one time within 24 hours. Incorporate a second time before planting to destroy existing weeds and insure uniform distribution of Treflan TR-10 in treated soil. For best weed control results, the second incorporation should occur at least 7 days after the first.

Note: See recommendations on incorporation and incorporation equipment at the beginning of the "Small Grains" section.

Planting Directions: Set planting equipment to place seed approximately 2 inches deep.

BEST AVAILABLE COPY

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	7.5
Fine	7.5

Treflan TR-10 applied at 7.5 pounds per acre will provide partial control or suppression of kochia and Russian thistle.

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

Barley, Spring Seeded - Spring Application for Foxtail (Pigeongrass) Control (For Use in Minnesota, North Dakota and South Dakota)

Apply in the spring as a preplant incorporated treatment for foxtail (pigeongrass) control in spring seeded barley.

Incorporate one time within 24 hours. Incorporate a second time before planting to destroy existing weeds and insure uniform distribution of Treflan TR-10 in treated soil. For best weed control results, the second incorporation should occur at least 7 days after the first.

Note: See recommendations on incorporation and incorporation equipment at the beginning of the "Small Grains" section.

Planting Directions: Set planting equipment to place seed approximately 2 inches deep.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	5
Fine	5

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

Barley, Spring Seeded - Spring Application for Foxtail (Pigeongrass) Control In Barley Used as a Cover Crop or in the Acreage Conservation Reserve Program (For Use in Minnesota, North Dakota and South Dakota)

Apply in the spring as a preplant incorporated treatment for foxtail (pigeongrass) control in spring seeded barley used as a cover crop or to acreage in the conservation reserve programs.

Incorporate one time within 24 hours. Incorporate a second time before planting to destroy existing weeds and insure uniform distribution of Treflan TR-10 in treated soil. For best weed control results, the second incorporation should occur at least 7 days after the first.

Note: See recommendations on incorporation and incorporation equipment at the beginning of the "Small Grains" section.

Planting Directions: Set planting equipment to place seed approximately 2 inches deep.

BEST AVAILABLE COPY

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	7.5
Fine	7.5

Precaution: Use of this practice may result in a slight stand reduction. Follow the most severe grazing restrictions imposed by either the label for Treflan TR-10 or the USDA Acreage Conservation Reserve Program, whichever is longest. Consult the local ASCS office or other state agency to determine the period of the USDA grazing restriction.

Spring Seeded Wheat or Durum -- Fall Application for Foxtail (Pigeongrass) Control During the Following Growing Season

Apply in the fall for foxtail (pigeongrass) control during the following growing season. Incorporate one time within 24 hours. Incorporate a second time before planting to destroy existing weeds and insure a uniform distribution of Treflan TR-10 in treated soil.

Note: See recommendations on incorporation and incorporation equipment at the beginning of the "Small Grains" section.

Planting Directions: Set planting equipment to place seed approximately 2 inches deep.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	5
Fine	7.5

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

Winter Wheat -- Treflan TR-10 Preplant Incorporated for Control of Cheatgrass and Other Annual Grasses (For Use in Idaho, Oregon and Washington)

Apply Treflan TR-10 as a preplant incorporated treatment up to 3 weeks before planting.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	7.5
Medium	7.5
Fine	10

Incorporation Directions: Incorporate Treflan TR-10 with a flexible tine-tooth harrow (Flextine or Melroe), set to cut 1 to 2 inches deep and operated at 3 to 6 mph. Thorough incorporation requires 2 incorporation passes over the field in different directions. Incorporate 1 time within 24 hours after application. A second incorporation pass prior to planting should occur at least 5 days after the first. Do not till the soil with a disc after Treflan TR-10 has been incorporated with a flexible tine harrow.

Planting Directions: Use only a deep furrow or semi-deep furrow drill that will place the seed below the zone into which Treflan TR-10 has been incorporated.

BEST AVAILABLE COPY

Precaution: Do not plant wheat directly into the zone of soil treated with Treflan TR-10 as crop injury (delayed emergence or stand reduction) may occur. Delayed emergence or slight stand reduction does not normally affect yield.

Winter Wheat – Fallow Soil Application of Treflan TR-10 for Annual Grass Control Prior to Planting (For Use in Idaho, Oregon and Washington)

Apply and shallowly incorporate Treflan TR-10 up to 4 months before planting to control cheatgrass and certain other annual grasses and broadleaf weeds during the fallow period and during the following growing season. Apply any time from May to September prior to fall planting of winter wheat.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	7.5
Medium	7.5
Fine	10

Incorporation Directions: Incorporate Treflan TR-10 with a flexible tine-tooth harrow (Flexline or Mekroe), set to cut 1 to 2 inches deep and operated at 3 to 6 mph. Thorough incorporation requires 2 incorporation passes over the field in different directions. Incorporate 1 time within 24 hours after application. A second incorporation pass prior to planting should occur at least 5 days after the first. Do not till the soil with a disc after Treflan TR-10 has been incorporated with a flexible tine harrow.

Planting Directions: Use only a deep furrow or semi-deep furrow drill that will place the seed below the zone into which Treflan TR-10 has been incorporated.

Precaution: Do not plant wheat directly into the zone of soil treated with Treflan TR-10 as crop injury (delayed emergence or stand reduction) may occur. Delayed emergence or slight stand reduction does not normally affect yield.

Summer Fallow Weed Control With Treflan TR-10 Followed by Spring Seeded Wheat, Durum or Barley

Treflan TR-10 may be applied to coarse, medium and fine textured soils for control of labeled weeds in the summer fallow period and for pigoongrass (foxtail) control in wheat, durum and barley seeded the following spring.

Treflan TR-10 may be applied to standing stubble or land which has been fallowed or pretilled. Existing weeds, surface trash or crop litter should be reduced by tillage if present in quantities that will prevent uniform soil incorporation. The first incorporation is required within 24 hours after application. The second incorporation may occur in conjunction with tillage 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.

BEST AVAILABLE COPY

Broadcast Application Rates/Acre:

Application Date	Treflan TR-10	
	Areas with Less than 10 inches annual rainfall	All Other Areas
Apr. 15-Apr. 30	(pounds) 8.75	(pounds) 10
May 1-May 31	8.75 - 7.5	10 - 8.75
June 1-June 30	7.5 - 6.25	8.75 - 7.5
July 1-July 31	6.25 - 5	7.5 - 6.25
Aug. 1-Aug. 31	5	6.25 - 5

Where a rate range is shown, use the higher rate per acre during the early part of an application period and the lower rate per acre during the latter part of an application period.

Incorporation: See recommendations on incorporation and incorporation equipment at the beginning of the "Small Grains" section.

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

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

SOYBEANS

Apply and incorporate Treflan TR-10 in the spring prior to planting or in the fall. See instructions for fall application under "Application Timing" in the "General Information" section of this label.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10	
	Spring† Application	Fall†† Application
Coarse	(pounds) 5	(pounds) 10
Medium	7.5	10
Fine	10	12.5

†Spring Application:

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- All soils with 5-10% organic matter - 10-12.5 lb

††Fall application use rates for soybeans grown in Alabama, Arkansas, Northern Florida, Georgia, Louisiana, Mississippi, southeastern Missouri (Bootheel), North Carolina, Oklahoma, South Carolina, Tennessee and Texas. For soybeans grown in areas other than those listed above, fall apply Treflan TR-10 at broadcast rates recommended for areas receiving greater than 20 inches of annual rainfall and irrigation.

Precaution: Do not fall apply Treflan TR-10 in the fall to soils which are wet or subject to prolonged periods of flooding, or where rice was grown the previous year.

BEST AVAILABLE COPY

Preemergence Overlay Applications Following Treflan TR-10 (Not for Use in California)

Apply Treflan TR-10 as a preplant incorporated treatment. Additional weeds tolerant to Treflan TR-10 may be controlled using preemergence overlay applications of Canopy, Dual, Gemini, Lasso, Lexone, Lorox, Lorox Plus, Preview, Pursuit†, Scepter††, Sencor or other products registered for use on soybeans. Such treatments may be made, unless use following a Treflan TR-10 application is specifically prohibited by the product label. Consult the overlay product label for additional weeds controlled, directions for use, cautions and limitations before use.

†The use of Pursuit is limited to certain states. Use Pursuit as an overlay treatment following Treflan TR-10 only in states specified on the Pursuit label.

††Use of Scepter is limited to certain states. Do not use Scepter as a preemergence overlay application following a Treflan TR-10 preplant incorporated treatment in the "Northern Use Area" as defined by the Scepter label.

Postemergence Treatments Following Treflan TR-10 (Not for Use in California)

Apply Treflan TR-10 as a preplant incorporated treatment. Additional weeds tolerant to Treflan TR-10 may be controlled using postemergence applications of Basagran, Blazer, Classic, Cobra, Galaxy, Pinnacle, Pursuit†, Reflex, Scepter††, Storm, Tackle, or other products registered for use on soybeans. Such treatments may be made, unless use following a Treflan TR-10 application is specifically prohibited by the product label. Consult the overlay or postemergence product label for additional weeds controlled, directions for use, cautions and limitations before use.

†Use of Pursuit is limited to certain states. Use Pursuit as a postemergence treatment following Treflan TR-10 only in states specified in the Pursuit label.

††Use of Scepter is limited to certain states. Do not use the Scepter as a postemergence application following a Treflan TR-10 preplant incorporated treatment in the "Northern Use Area" as defined by the Scepter label.

SUGAR BEETS

Apply and incorporate Treflan TR-10 when sugar beets are 2-6 inches tall.

Precautions: Exposed sugar beet roots should be covered with soil before applying Treflan TR-10 to reduce the possibility of girdling. When incorporating, set equipment to move treated soil into the row. Set incorporation equipment carefully so as to prevent damage to sugar beet tap root.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	6.25 - 7.5

Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

BEST AVAILABLE COPY

SUGARCANE

Apply and incorporate Treflan TR-10 twice a year. Make the first application in the fall on firmly packed beds immediately after the seed pieces are planted. Make a second application in the spring before or shortly after the cane emerges. Loosen rain-packed beds 2-3 inches deep before spring application. Take care that incorporation equipment does not damage the seed pieces or emerging shoots.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
All Soil Textures	10 - 20

Application rate range may be adjusted according to weed pressure.

Applications Up to Layby for Plant Cane or Ratoon Cane (For Use in Louisiana and Texas)

Apply and incorporate Treflan TR-10 in the spring from shortly before or after cane emergence until layby. Apply after beds have been shaved or false shaved. Loosen rain-packed beds 2-3 inches deep before application. Avoid incorporation equipment damage to seed pieces or emerging shoots. Incorporate with a rolling cultivator or bed chopper for all soil textures. Set rolling cultivator to cut 2 to 4 inches deep and operate at 6 to 8 mph. Set bed chopper to cut 3 to 4 inches deep and operate at 4 to 6 mph. Two incorporation passes are necessary.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
All Soil Textures	10 - 20

Application rate range may be adjusted according to weed pressure.

Itchgrass (Raoulgrass) Control (For Use in Louisiana)

Apply and incorporate Treflan TR-10 on plant or ratoon cane. Follow use directions in preceding section for layby application.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
All Soil Textures	10 - 20

Application rate range may be adjusted according to weed pressure.

BEST AVAILABLE COPY

SUNFLOWER

Apply and incorporate Trellan TR-10 in the spring or in the fall between September 15 and December 31 in California, Minnesota, North Dakota and South Dakota, and between October 15 and December 31 in other states.

Broadcast Application Rates/Acre:

Soil Texture	Trellan TR-10 (pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	7.5 - 10

- Coarse and medium soils with 2-5% organic matter - 7.5-10 lb
- All soils with 5-10% organic matter - 10 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

TOMATO

For direct seeded tomato, apply Trellan TR-10 at blocking or thinning to the soil between rows and beneath plants and incorporate. For transplant tomato, apply and incorporate prior to transplanting only. Do not apply Trellan TR-10 after transplanting.

Broadcast Application Rates/Acre:

Soil Texture	Trellan TR-10 (pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	7.5 - 10

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- All soils with 5-10% organic matter - 10 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

TREE AND VINE CROPS - CITRUS, FRUIT AND NUT CROPS AND VINEYARDS

Application to New Plantings of Citrus, Fruit and Nut Crops

For new plantings of almond, apricot, grapefruit, lemon, nectarine, orange, peach, pecan, plum, prune, tangelo, tangerine and walnut trees, apply and incorporate Trellan TR-10 before planting.

Broadcast Application Rates/Acre:

Soil Texture	Trellan TR-10 (pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	7.5

- All soils with 2-5% organic matter - 7.5-10 lb
- All soils with 5-10% organic matter - 10 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

BEST AVAILABLE COPY

Application to New Plantings of Vineyards

For new plantings of vineyards, apply and incorporate Treflan TR-10 before planting.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
Coarse	5 - 7.5
Medium	7.5 - 15
Fine	15 - 20

- All soils with 2-10% organic matter - 15-20 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

Note: Do not use more than 10 lb/acre on heat treated grape rootings.

Application to Established Non-bearing and Bearing Citrus, Fruit and Nut Crops and Vineyards

Treflan TR-10 may be applied in established non-bearing and bearing vineyards and plantings of almond, apricot, grapefruit, lemon, nectarine, orange, peach, pecan, plum, prune, tangelo, tangerine and walnut trees. In established plantings, apply to the soil surface and use incorporation methods not injurious to the crop. Do not apply to vineyards within 60 days of harvest.

Broadcast Application Rates/Acre:

Soil Texture	Treflan TR-10 (pounds)
All Soils	10 - 20

Use the higher rate in the rate range for longer term weed control.

Warranty Disclaimer

DowElanco warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. DOWELANCO MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of DowElanco or the seller. All such risks shall be assumed by Buyer.

BEST AVAILABLE COPY

Limitation of Remedies

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at DowElanco's election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used.

DowElanco shall not be liable for losses or damages resulting from handling or use of this product unless DowElanco is promptly notified of such loss or damage in writing. In no case shall DowElanco be liable for consequential or incidental damages or losses.

The terms of the "Warranty Disclaimer" above and this "Limitation of Remedies" cannot be varied by any written or verbal statements or agreements. No employee or sales agent of DowElanco or the seller is authorized to vary or exceed the terms of the "Warranty Disclaimer" or this "Limitation of Remedies" in any manner.

Copyright© 1993 DowElanco

BEST AVAILABLE COPY

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

Dennis H Lade, Ph D
DOWELANCO
QUAD IV 9002 PURDUE RD
INDIANAPOLIS IN 46268

OCT 16 1993

Subject: Label Amendment Submission of 06/28/93
to Comply with WPS Labeling Requirements
EPA Reg Nr. 62719-131
TREFLAN TR-10

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is accepted subject to the comments listed below.

Based on your certification, the Agency has accepted only those changes to your labeling which are necessary to comply with PR Notices 93-7 and 93-11, which reflect the WPS labeling requirements of 40 CFR part 156, subpart K. Any other labeling changes submitted in connection with this amendment application and not directly related to compliance with PR Notice 93-7 or 93-11 have neither been reviewed nor accepted by the Agency. If you wish to make any such changes, you must submit a separate amendment application proposing them. If your product registration is currently suspended, acceptance of this labeling amendment does not affect the suspension in any way.

A copy of your proposed labeling stamped, "Accepted with comments", is attached. Make any required changes described below and send three copies of final labeling as soon as it is available to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (H-7504C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, DC 20460-0001

DOWELANCO

EPA Reg. Number: 62719-131

TREFLAN TR-10

Application date: 06/28/93

Original Submission

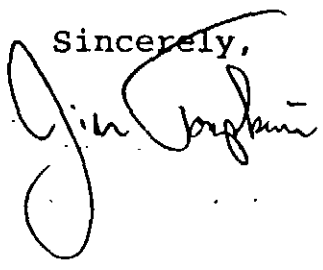
Hand or courier deliveries of final labels may be made to:

Document Processing Desk (FIN-LABEL)
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

There is a typographical error(s) in the PPE statements that you added to the Precautionary Statements.

Please correct the typographical errors circled on the draft before printing final labeling.

In your final labeling, the "Agricultural Use Requirements" text must be contained in a clearly separate box. This box may be set apart by a line, by another graphical device, by a different color background, or in any other way that clearly distinguishes it from surrounding text.

Sincerely,


3 7 40

3:29 PM

6/23/93 [TAG]

Page 1

[Bag - Treflan TR-10]
[Front Panel of Bag]

[Developed per WPS and addition of
Supplemental Label dated 6/29/92.]

[EDITOR NOTE: Strike-through text denotes deletions; Underlined text denotes additions.]

(logo) DowElanco

Treflan* TR-10*

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

Active Ingredient:

trifluralin: α,α,α -trifluoro-2,6-dinitro-*N,N*-dipropyl-*p*-toluidine. 10%

Inert Ingredients . 90%

Total . 100.0%

Contains 5 pounds active ingredient per 50 lb bag.

Manufactured using the processes of U.S. Patents 4,120,905 and 4,226,789

ACCEPTED
with COMMENTS
In EPA Letter Dated

OCT 15 1993

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

62719-131

Keep Out of Reach of Children

CAUTION

Refer to back panel of bag for additional precautionary information including Personal Protective Equipment (PPE), and Directions for Use including Agricultural Use Requirements and Storage and Disposal.

Notice: Read the entire label. Use only according to label directions. Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" inside label booklet.

In case of emergency endangering health or the environment involving this product, call collect 517-636-4400.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-131

AHC MM
EPA Est. 5905-IA-01; 464-MI-1
Superscripts correspond to first letters of lot number.

*Trademark of DowElanco
DowElanco • Indianapolis, IN 46268, U.S.A.

Granular Herbicide

Net Weight 50 lb

4 7 40

[Back of Bag]

Precautionary Statements

Hazards to Humans and Domestic Animals**CAUTION PRECAUCION:**

~~Precaucion al usuario: Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.~~

~~Causes Eye Irritation • Harmful If Swallowed, Inhaled Or Absorbed Through The Skin~~

~~Avoid breathing dust and contact with skin, eyes or clothing. 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. Remove contaminated clothing and wash before reuse.~~

Personal Protective Equipment (PPE)**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls Statements

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protections Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations**Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

First Aid

If in eyes: Flush with plenty of water. Get medical attention if irritation develops.

If swallowed: Do not induce vomiting. Call a physician or Poison Control Center. If available, administer activated charcoal (6-8 heaping teaspoons) with a large quantity of water. Do not give anything by mouth to an unconscious person. Immediately transport to a medical care facility and see a physician

If inhaled: Remove individual to fresh air. Get medical attention if breathing difficulty occurs. If not breathing, give artificial respiration, preferably cardiopulmonary resuscitation assistance, and get medical attention immediately.

If on skin: Wash with plenty of soap and water. Get medical attention if irritation develops.

Environmental Hazards

This pesticide is toxic to fish. For terrestrial uses, do not apply directly to water, or 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 or rinsate.

Directions for Use

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

Read all Directions for Use before applying this product.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exemptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. Exception: If the product is soil-injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

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

Pesticide 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 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, in accordance with applicable regulations, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Refer to label booklet in pocket of bag for additional precautionary information including Personal Protective Equipment (PPE), and Directions for Use including Agricultural Use Requirements and Storage and Disposal.

[EDITOR NOTE: Insert here a fat, squat arrow pointing down]

Directions Enclosed [EDITOR NOTE: Turned at a 20° angle inside a box which has the top, right and bottom sides as bold dotted lines and the left side as a solid line]

3:29 PM

6/23/93 [TAG]

6 7 40
Page 4

[Right Gusset of Bag]

(logo) DowElanco

Treflan* TR-10*

Granular Herbicide

PI 3437464

[Left Gusset of Bag]

(logo) DowElanco

Treflan* TR-10*

Granular Herbicide

PI 3437464

900-00xxxx

[Booklet bound -- Treflan TR-10]
[Front Cover of Booklet]
[EDITOR NOTE: Strike-through text denotes deletions; Underlined text denotes additions.]

8 4 40
[Developed per WPS and addition of
Supplemental Label dated 6/29/92.]

(logo) **DowElanco**

Treflan* TR-10*

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

Active Ingredient:

trifluralin: α, α, α -trifluoro-2,6-dinitro-*N,N*-dipropyl-*p*-toluidine. 10%

Inert Ingredients . 90%

Total . 100.0%

Contains 5 pounds active ingredient per 50 lb bag.

Manufactured using the processes of U.S. Patents 4,120,905 and 4,226,789

EPA Reg. No. 62719-131
20093

900-00xxxx

*Trademark of DowElanco
DowElanco • Indianapolis, IN 46268, U.S.A.

Granular Herbicide

[Page 2 of Booklet]

Table of Contents	Page
Precautionary Statements	
Hazards to Humans and Domestic Animals	
Personal Protective Equipment	
Use Safety Recommendations	
First Aid	
Environmental Hazards	
Directions for Use	
Agricultural Use Requirements	
Storage and Disposal	
General Information	
Approved Crops	
Warranty Disclaimer	
Inherent Risks of Use	
Limitation of Remedies	
Treflan TR-10 General Information Index:	
General Use Precautions	
Rotation Crop Restrictions	
Application Directions	
Application Timing	
Spring Application	
Fall Application	
Incorporation Directions	
Recommended Incorporation Equipment	
Weeds Controlled by Treflan TR-10	
Approved Crops Index:	
Alfalfa (Established)	
Almond	
Apricot	
Asparagus (Established)	
Barley (See Small Grains Section)	
Beans - Dry Beans	
Beans - Guar and Mungbean	
Beans - Lima Bean and Snap Bean	
Canola (see rapeseed)	
Carrot	
Castor Beans	
Celery	
Chicory/Endive	
Cole Crops (Broccoli, Brussels Sprouts, Cabbage and Cauliflower)	
Corn (Field Corn Only)	
Cotton	
Cucurbits - Cantaloupe, Cucumber and Watermelon	
Durum (See Small Grains Section)	
Endive (See Chicory)	
Flax (Fall Application Only)	
Forage Legumes	
Grain Sorghum (Milo)	
Grape (See Tree and Vine Crops)	
Grapefruit (See Tree and Vine Crops)	
Greens (Turnip greens, Collard, Kale and Mustard Greens)	
Hops	
Lemon (See Tree and Vine Crops)	
Mustard (Grown for Seed or Processing for Food)	
Nectarine (See Tree and Vine Crops)	
Okra	

Orange (See Tree and Vine Crops)

Peach (See Tree and Vine Crops)

Peas (Dry and English Peas)

Peas (Southern Peas)

Peanuts

Pecan (See Tree and Vine Crops)

Pepper (Transplant Only)

Plum (See Tree and Vine Crops)

Potatoes

Prune (See Tree and Vine Crops)

Rapeseed (Canola)

Safflower

Small Grains (Barley, Durum and Wheat)

Barley, Spring Seeded - Fall Application for General Weed Control During the Following Season (For Use in Minnesota, North Dakota and South Dakota)

Barley, Spring Seeded - Spring Application for Foxtail (Pigeongrass) Control (For Use in Minnesota, North Dakota and South Dakota)

Barley, Spring Seeded - Spring Application for Foxtail (Pigeongrass) Control in Barley Used as a Cover Crop or in the Acerage Conservation Reserve Program (For Use in Minnesota, North Dakota and South Dakota)

Spring Seeded Wheat or Durum - Fall Application for Foxtail (Pigeongrass) Control During the Following Growing Season

Winter Wheat - Preplant Incorporated for Control of Cheatgrass and Other Annual Grasses (For Use in Idaho, Oregon and Washington)

Winter Wheat - Fallow Soil Application for Annual Grass Control Prior to Planting (For Use in Idaho, Oregon and Washington)

Summer Fallow Weed Control Followed by Spring Seeded Wheat, Durum or Barley

Soybeans

Sugar Beets

Sugarcane

Sunflower

Tangelo (See Tree and Vine Crops)

Tangerine (See Tree and Vine Crops)

Tomato

Tree and Vine Crops - Citrus, Fruit and Nut Crops and Vineyards:

New Plantings of Almond, Apricot, Grapefruit, Lemon, Nectarine, Orange, Peach, Pecan, Plum, Prune, Tangelo, Tangerine and Walnut

New Plantings of Vineyards

Established Plantings of Almond, Apricot, Grapefruit, Lemon, Nectarine, Orange, Peach, Pecan, Plum, Prune, Tangelo, Tangerine, Walnut and Vineyards

Wheat (See Small Grains section)

Walnut (See Tree and Vine Crops)

Precautionary Statements

Hazards to Humans and Domestic Animals

Keep Out of Reach of Children

CAUTION ~~PRECAUCION:~~

~~Precaucion al usuario: Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.~~

~~Causes Eye Irritation • Harmful If Swallowed, Inhaled Or Absorbed Through The Skin~~

~~Avoid breathing dust and contact with skin, eyes or clothing. 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. Remove contaminated clothing and wash before reuse.~~

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls Statements

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protections Standard (WPS) for agricultural pesticides (40 CFR 170.240 (d) (4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

First Aid

If in eyes: Flush with plenty of water. Get medical attention if irritation develops.

If swallowed: Do not induce vomiting. Call a physician or Poison Control Center. If available, administer activated charcoal (6-8 heaping teaspoons) with a large quantity of water. Do not give anything by mouth to an unconscious person. Immediately transport to a medical care facility and see a physician.

If inhaled: Remove individual to fresh air. Get medical attention if breathing difficulty occurs. If not breathing, give artificial respiration, preferably cardiopulmonary resuscitation assistance, and get medical attention immediately.

If on skin: Wash with plenty of soap and water. Get medical attention if irritation develops.

Environmental Hazards

This pesticide is toxic to fish. For terrestrial uses, do not apply directly to water, or 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 or rinsate.

Directions for Use

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

Read all Directions for Use before applying this product.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exemptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. Exception: If the product is soil-injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

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

Pesticide 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 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, in accordance with applicable regulations, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

General Information

Treflan TR-10 herbicide is a selective preemergence herbicide for control of many annual grasses and broadleaf weeds. Treflan TR-10 must be mechanically incorporated within 24 hours after application to effectively control weeds. Treflan TR-10 controls susceptible weeds as they germinate. Treflan TR-10 does not control established weeds.

General Use Precautions

Applied according to directions and under normal growing conditions, Treflan TR-10 will not harm the treated crop. Overapplication may result in crop injury or rotational crop damage from soil residue. Uneven application or improper incorporation of Treflan TR-10 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 TR-10. Under these conditions, delayed crop development or reduced yields may result.

Do not apply Treflan TR-10 to soils that are wet or are subject to prolonged periods of flooding as poor weed control may result.

Do not use Treflan TR-10 on any crop grown in Pecos county or Reeves county, Texas.

In Montana, uses of Treflan TR-10 are limited to those described in supplemental labeling. Refer to supplemental labeling for crops and specific use directions.

Rotation Crop Restrictions

Sugarbeets, Redbeets and Spinach

In Arizona, Colorado, California, Idaho, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming: Sugarbeets, redbeets or spinach should not be planted for 12 months after a spring application or 14 months after a fall application of Treflan TR-10. Plowing to a depth of 12 inches prior to planting these crops will reduce the possibility of crop injury. If land has not been irrigated, these crops should not be planted for 18 months after a spring application or 20 months after a fall application of Treflan TR-10.

In all other areas: Sugarbeets, redbeets, and spinach should not be planted for 12 months after a spring application or 14 months after a fall application. Before planting sugarbeets, moldboard plow to a depth of 12 inches to reduce the possibility of crop injury.

Proso Millet, Corn, Sorghum (Milo), Oats and Annual or Perennial Crops or Grass Mixtures

In Arizona, Colorado, California, Idaho, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming: Proso millet, corn, sorghum (milo), oats and annual or perennial grass crops or grass mixtures should not be planted for 12 months after a spring application or 14 months after a fall application of Treflan TR-10 to avoid the possibility of crop injury. If land has not been irrigated, these crops should not be planted for 18 months after a spring application or 20 months after a fall application. Moldboard plowing to a depth of 12 inches before planting these crops will reduce the possibility of crop injury.

In Minnesota, North Dakota and South Dakota: Proso millet, sorghum (milo), oats and annual or perennial grass crops or grass mixtures should not be planted for 18 months after a spring application or 21 months after a fall application of Treflan TR-10.

In those portions of Kansas, Nebraska, Oklahoma and Texas that receive less than 20 inches of rainfall and irrigation to produce a crop: Do not plant proso millet, sorghum (milo), oats and annual or perennial grass crops or grass mixtures for 18 months after an application of Treflan TR-10. In sorghum, cool wet weather conditions during early growth stages may increase the possibility of crop injury. In areas receiving more than 20 inches of rainfall and irrigation, these crops should not be planted for 12 months after a spring application or 14 months after a fall application of Treflan TR-10.

Other Crops

Vegetable crops other than those listed on this label for use with preplant soil incorporated application of Treflan TR-10 should not be planted within 5 months after an application of Treflan TR-10.

Application Directions

Soil Preparation

Treflan TR-10 may be applied to standing stubble or soil that has been pretilled. Existing weeds and crop residues should be reduced to a manageable level using tillage so that Treflan TR-10 can be uniformly incorporated into the top 2 to 3 inches of the final seedbed. Soil surface conditions should allow Treflan TR-10 to be thoroughly and uniformly mixed into the top 2 to 3 inches of soil. If this is not possible the soil should be tilled prior to application.

General Soil Conditions

The soil surface should be smooth enough to allow for uniform application and efficient incorporation of Treflan TR-10. Apply when soil moisture is sufficient to allow breakup of large clods and uniform mixing during the incorporation process. Soil compaction and/or nonuniform incorporation may occur when soil is excessively moist.

Application

Treflan TR-10 may be applied with ground or aerial broadcast application equipment. Apply only with equipment capable of accurate calibration and uniform application of herbicide granules. Apply at the recommended rate for soil texture class to be treated. Follow calibration directions provided by the equipment manufacturer. Avoid releasing granules in narrow bands on the soil surface as this may cause crop injury.

Freezing will not adversely affect this product. If product is frozen at the time of application, agitate or thaw to restore free-flowing properties to TR-10 granules.

Soil Texture Guide For Application Rates

Treflan TR-10 rate recommendations for incorporated treatments are based on "Soil Texture Class" (coarse, medium or fine) and soil organic matter content. A fine textured soil (e.g., clay loam) will require a higher application rate than a coarse textured soil (e.g., loamy sand). In the table below, find the "Soil Texture Class" (coarse, medium or fine) corresponding to the soil texture to be treated. Choose the proper rate for each application based on the "Soil Texture Class" and specific crop recommendations. Do not exceed recommended rates.

Soil Texture Class	Soil Texture to be Treated
Coarse (Light) Soils	Sand, loamy sand, sandy loam
Medium Soils	Loam, silty clay loam†, silt loam, silt, sandy clay loam†
Fine (Heavy) Soils	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 predominantly sand or silt, they are usually classified as medium textured soils. If they are predominantly clay, they are usually classified as fine textured soils.

Application Rate Ranges

Where a rate range is shown, use the lower rate for coarser textured soils or soils with low organic matter content. Use the higher rate in the rate range for finer textured soils and on soils containing more than 5% organic matter. Where soil texture is variable within the same field, use the lower recommended Treflan TR-10 rate.

Application Timing

Spring Application

Apply Treflan TR-10 any time after January 1 when soil can be worked and is in condition suitable for good incorporation. See "Approved Crops" section for recommendations on specific crops.

Fall Application

Application Timing: In California, Minnesota, North Dakota and South Dakota, apply Treflan TR-10 any time between September 1 and December 31. In all other states, fall apply Treflan TR-10 any time between October 15 and December 31.

Application Rates for Fall Application: Refer to the "Approved Crops" section of this label for specific rate recommendations. Increased rates for fall application are recommended for certain crops grown in certain geographic areas. For crops for which there are no specific fall application instructions, and for which Treflan TR-10 is recommended as a preplant incorporated treatment, use the rates listed for spring applications. In areas receiving greater than 20" total average annual rainfall and irrigation, use the higher rate in the recommended rate range. Do not fall apply Treflan TR-10 prior to planting sugar beets, potatoes and direct seeded tomatoes the following spring.

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.

Prior to planting, destroy any weeds which have become established in furrows due to uncovering of untreated soil. Do not apply Treflan TR-10 in the fall to soils that are wet or subject to prolonged periods of flooding, or where rice was grown the previous year.

Incorporation Directions

Treflan TR-10 requires two incorporation passes. The first should occur within 24 hours after application. For best weed control results, the second incorporation should be delayed 3 to 5 days after the first and be completed prior to planting. A minimum delay of 7 days after the first incorporation is recommended for certain Treflan TR-10 uses in small grains. See specific use directions. The second incorporation pass should occur in a different direction than the first. Use incorporation equipment capable of thoroughly and uniformly mixing Treflan TR-10 into the top 2 to 3 inches of the final seedbed. Erratic weed control may result if untreated soil is moved to the surface during the second incorporation pass. To avoid this problem, set equipment so that the second incorporation pass is not deeper than the first.

Incorporation in Established Crops

Treflan TR-10 may be applied and incorporated in certain established crops. Refer to the "Approved Crops" section of this label for specific incorporation directions.

Incorporation in Bedded Culture

For optimum weed control, Treflan TR-10 should be incorporated into the top 2 to 3 inches of the final seedbed.

Application prior to bedding

Apply and make first incorporation 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. Apply Treflan TR-10 and incorporate 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. Exposure of untreated soil, will allow weeds to germinate in the drill row.

Cultivation After Planting

Areas treated with Trellan TR-10 may be shallowly cultivated without loss of weed control activity. Avoid deep cultivation that could bring untreated soil to the soil surface and result in loss of weed control.

Recommended Incorporation Equipment

Any recommended incorporation implement may be used alone or in combination with any other recommended implement. Two incorporation passes are necessary unless otherwise specified. The second incorporation should not be deeper than the first.

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

Field Cultivator: Set equipment to cut 3 to 4 inches deep and operate at 5 or more mph. 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 incorporation implement 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 chisel plow 4 to 5 inches deep at 4 to 6 mph. A chisel plow is defined as having 3 rows of 14 to 18-inch sweeps spaced no more than 12 inches apart. Sweeps should be staggered so that no soil is left unturned. Chisel points should not be used.

Combination Seedbed Conditioners: These implements are defined as three or more tillage devices combined to operate as a single tillage unit. 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 flexline harrow, followed by a ground driven reel or basket. Combination implements should be set to cut 3 to 4 inches deep and operated at a minimum speed of 6 mph. Trellan TR-10 can be incorporated with one pass when using a combination seedbed conditioner. Two incorporations are required under conditions which prevent optimum soil mixing such as excessive trash, roughness, high clay content or soil moisture.

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 3-4 inches deep and operate at 5 to 8 mph.

P.T.O. Driven Equipment (tillers, cultivators, hoes): Adjust to incorporate Trellan TR-10 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: Other implements including a flexible tine-tooth harrow (Flexline or Melroe), sweep-type cultivator or rolling cultivator are recommended, but only for certain uses defined in the "Approved Crops" section of this label.

Weeds Controlled by Treflan TR-10

The following weeds are controlled by preplant incorporated treatments of Treflan TR-10.

Grasses

<u>Common Name</u>	<u>Scientific Name</u>
annual bluegrass	<i>Poa annua</i>
barnyardgrass (watergrass)	<i>Echinochloa crus-galli</i>
bromegrass (cheatgrass) (downy brome)	<i>Bromus tectorum</i>
crabgrass (large crabgrass) (smooth crabgrass)	<i>Digitaria</i> spp.
foxtail (bottlegrass) (bristlegrass) (giant foxtail) (green foxtail) (foxtail millet) (pigeongrass) (robust foxtail) (yellow foxtail)	<i>Setaria</i> spp.
johnsongrass (from seed)	<i>Sorghum halepense</i>
jungerice	<i>Echinochloa colonum</i>
ryegrass, annual	<i>Lolium multiflorum</i>
sandbur (burgrass)	<i>Cenchrus incertus</i>
signalgrass, broadleaf (brachiana)	<i>Bracharia platyphylla</i>
sprangletop	<i>Leptochloa filiformis</i>
stinkgrass (lovegrass)	<i>Eragrostis cilianensis</i>
shattercane (wild cane)	<i>Sorghum bicolor</i>
oat, wild†	<i>Avena fatua</i>
wooly cupgrass	<i>Eriochloa villosa</i>

Broadleaf Weeds

<u>Common Name</u>	<u>Scientific Name</u>
carpetweed	<i>Mollugo verticillata</i>
chickweed, common	<i>Stellaria media</i>
goosefoot	<i>Chenopodium hybridum</i>
henbit	<i>Lamium amplexicaule</i>
knotweed	<i>Polygonum aviculare</i>
lambquarters, common	<i>Chenopodium album</i>
pigweed (carelessweed) (prostrate pigweed) (redroot pigweed) (rough pigweed) (spiny pigweed)	<i>Amaranthus</i> spp.
puncturevine (western U.S. only) (caltrop)	<i>Tribulus terrestris</i>

(goathead)	
purslane, common	<i>Portulaca oleracea</i>
pusley, Florida	<i>Richardia scabra</i>
(Florida purslane)	
(Mexican clover)	
(pusley)	
stinging nettle	<i>Urtica dioica</i>
(nettle)	

Treflan TR-10 applied as a preplant incorporated (PPI) treatment will provide partial control of wild oats. This claim is for all PPI uses except for fall application for spring seeded cereals at foxtail (pigeongrass) control rates.

Approved Crops

ALFALFA - ESTABLISHED

Apply Treflan TR-10 to established alfalfa prior to weed emergence with ground or aerial equipment. A single rainfall or overhead sprinkler irrigation of 0.5 inches or more, flood irrigation or furrow irrigation after application is required to activate Treflan TR-10. If activated using furrow irrigation, the surface of beds between furrows should be thoroughly wetted. If activation does not occur within 3 days after application, Treflan TR-10 should be activated using incorporation equipment that will insure thorough soil mixing with minimum damage to the established alfalfa.

Weeds Controlled

Barnyardgrass, bromegrass (cheatgrass, downy brome) canarygrass, cheat (chess), crabgrass, woolly cupgrass, foxtail, junglerice, sandbur, and wild barley.

Application Rate per Acre

Apply Treflan TR-10 at a rate of 20 lb/acre for all soil textures.

Application Timing

Treflan TR-10 may be applied during dormancy or throughout the growing season immediately after a cutting. Because Treflan TR-10 does not control established weeds, application must be made prior to the expected time of weed germination.

Fall Application

Apply immediately after a cutting between August 1 and October 1. When fall applied, Treflan TR-10 controls bromegrass and cheat in addition to other weeds listed above that germinate after application. Bromegrass and cheat begin to germinate in the fall with the onset of cooler weather.

Precaution: In the season following a 20 lb/acre Treflan TR-10 treatment, where established alfalfa is to be rotated to another crop, plant only those crops for which Treflan TR-10 can be applied as a preplant incorporated treatment or crop injury may result.

ASPARAGUS - ESTABLISHED

Apply Trellan TR-10 to established asparagus as a single or split application. Trellan TR-10 will suppress volunteer seedling asparagus and field bindweed when recommendations for rates, application and timing are followed. Follow recommended soil preparation, application and incorporation procedures for Trellan TR-10.

Application Timing

Apply in winter or early spring after mature ferns have been removed, but before new spears begin to emerge.

Apply post-harvest applications immediately after harvest in late spring or early summer just before ferns are allowed to develop.

Broadcast Application Rates/Acre:

Soil Texture	Trellan TR-10	
	Split Application Before and After Harvest (pounds)	Single Application Before or After Harvest (pounds)
Coarse	5.0 + 5.0	10
Medium	7.5 + 7.5	15
Fine	10 + 10	20

- Do not apply more than 10 pounds per acre on coarse soils, 15 lb/acre on medium soils or 20 lb/acre on fine soils during the calendar year.

BEANS - DRY BEANS

Apply and incorporate Trellan TR-10 in the spring before planting or in the fall. See instructions for fall application of Trellan TR-10 under the heading "Application Timing" in the "General Information" section of this label.

Broadcast Application Rates/Acre:

Soil Texture	Trellan TR-10 (pounds)
Coarse	5
Medium	6.25 - 7.5
Fine	7.5 - 10

- Coarse and medium soils with 2-5% organic matter - 7.5 lb
- Fine soils with 2-5% organic matter - 10 lb
- All soils with 5-10% organic matter - 10 lb
- Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.