

TREFLAN® E.C. (E.P.A. REG. NO. 1471-35)  
TREFLAN® M.T.F.™ (E.P.A. REG. NO. 1471-116)  
TREFLAN® 5™ (E.P.A. REG. NO. 1471-120)

TREFLAN Applied Through Chemigation Systems for  
Weed Control in Established Alfalfa

TREFLAN may be applied through properly equipped chemigation systems for weed control in alfalfa. Read the Chemigation Application Directions for additional application and irrigation information.

Application Timing

TREFLAN applications should be made to established alfalfa during dormancy or semidormancy or throughout the growing season immediately after a cutting. Do not cut or graze alfalfa within 21 days after a TREFLAN application. Because TREFLAN does not control established weeds, application must be made prior to the expected time of weed germination.

When fall applied, TREFLAN controls brome grass and cheat in addition to other labeled weeds that germinate after application. Brome grass and cheat begin to germinate in the fall with the onset of cooler weather. To control these additional weeds, apply TREFLAN immediately after cutting between August 1 and October 1.

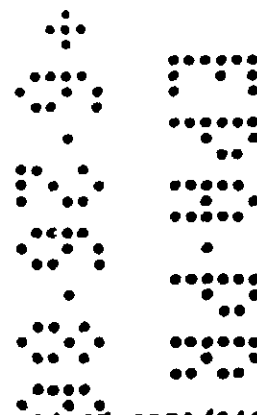
Apply no more than two (2) quarts of TREFLAN E.C./M.T.F. or one and six-tenths (1.6) quarts of TREFLAN 5 during any growing season.

Precaution: In the season following application of 2 quarts of TREFLAN E.C./M.T.F. or 1.6 quarts of TREFLAN 5 to alfalfa, plant only those crops for which TREFLAN can be applied as a preplant treatment or injury will occur.

Read the TREFLAN labels for additional directions, precautions and limitations before use.

TREFLAN® E.C., M.T.F.™, TREFLAN 5™ - trifluralin - Elanco Products Company

Elanco Products Company  
A Division of Eli Lilly and Company  
Indianapolis, Indiana 46285



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CHEMIGATION APPLICATION DIRECTIONS

TREFLAN may be applied through properly equipped chemigation systems for weed control in specific crops. See specific crop recommendations to determine if TREFLAN may be applied through chemigation systems.

Chemigation Application:

Apply TREFLAN alone or in combination through center pivot or lateral-move overhead sprinkler irrigation systems equipped for chemigation. TREFLAN must be applied before weed emergence or to weed free soil. TREFLAN does not control established weeds. Apply TREFLAN in one-half (1/2) to one (1) inch of irrigation water per acre at rates and stages of crop growth recommended for each crop. Soil incorporation is not required when TREFLAN is applied through irrigation systems.

1. Apply only through properly maintained irrigation systems having continuously moving laterals and providing uniform distribution of water. Where a system does not provide uniform water distribution such as at the extreme ends of the lateral, around supports, where treated discharge water is released from water-powered motors, or where extreme changes in elevation occur, unacceptable weed control or crop injury may occur.
2. If possible, inject only undiluted TREFLAN into the irrigation system.

- period.
4. Apply the product only through irrigation systems containing anti-siphon and check valves, to prevent water source contamination and overflow and siphoning of the slurry tank, and interlocking controls between the metering device and the water pump, to insure simultaneous shut-off.
  5. Inject the product with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing.
  6. Application of more than label recommended quantities of irrigation water per acre may result in decreased product performance by removing the pesticide from the zone of effectiveness.
  7. Do not apply when wind speed favors drift, when system connections or fittings leak; when nozzles do not provide uniform distribution, or when lines containing the product should be dismantled and drained. Use of low trajectory angle sprinkler or drop nozzles will decrease the likelihood of drift.
  8. Sample calculation for undiluted TREFLAN E.C. or M.T.F.
    - One hundred thirty-five (135) acres to be covered by irrigation system.
    - Recommended rate of 1.5 pints per acre times 135 acres equals 25.3 gallons of product.
    - Add the 25.3 gallons of product directly to the injection tank.
    - Adjust the injection system to apply the 25.3 gallons to the entire 135 acres.
    - Irrigation system requires 20 hours to apply 1 inch of water to 135 acres.
    - Injection rate: 25.3 gallons divided by 20 hours equals 1.27 gallons per hour or 2.7 fluid ounces per minute.
    - Calibrate injection pumps to deliver the undiluted TREFLAN E.C. or M.T.F. into the irrigation system at a rate of 2.7 fluid ounces per minute.

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9. Sample calculation for diluted TREFLAN E.C. or M.T.F. on 135 acres

- Mix and agitate only enough TREFLAN E.C. or M.T.F. and water to last no more than 12 hours.
- Recommended rate of 1.5 pints per acre times 135 acres equals 202.5 pints or 25.3 gallons of product.
- Add 15.18 gallons of product to a nurse tank and add 300 gallons of water. Apply the entire 300 gallons to 81 acres.
- Injection rate: 300 gallons divided by 12 hours equals 25 gallons per hour or 53.33 fluid ounces per minute.
- Calibrate injection pump to deliver the herbicide mix into the irrigation system at the rate of 53.33 fluid ounces per minute.
- Add the remaining 10.12 gallons of product to the nurse tank and add 200 gallons of water. Apply the 200 gallons to the remaining 54 acres using the same injection rate.

10. Sample calculations for undiluted TREFLAN 5.

- One hundred thirty-five (135) acres to be covered by irrigation system
- Recommended rate of 1.2 pints per acre times 135 acres equals 20.2 gallons of product
- Add the 20.2 gallons of product directly to the injection tank
- Adjust the injection system to apply the 20.2 gallons to the entire 135 acres
- Irrigation system requires 20 hours to apply 1 inch of water to 135 acres
- Injection rate: 20.2 gallons divided by 20 hours equals 1.0 gallons per hour or 2.2 fluid ounces per minute
- Calibrate injection pumps to deliver the undiluted TREFLAN 5 into the irrigation system at a rate of 2.2 fluid ounces per minute

11. Sample calculation for diluted TREFLAN 5 on 135 acres.

- Mix and agitate only enough TREFLAN 5 and water to last no more than 12 hours.

- Recommended rate of 1.2 pints per acre times 135 acres equals 162 pints or 20.2 gallons of product.
  - Add 12.15 gallons of product to a nurse tank and add 300 gallons of water. Apply the entire 300 gallons to 81 acres.
  - Injection rate: 300 gallons divided by 12 hours equals 25 gallons per hour or 53.33 fluid ounces per minute.
  - Calibrate injection pump to deliver the herbicide mix into the irrigation system at the rate of 53.33 fluid ounces per minute.
  - Add the remaining 8.1 gallons of product to the nurse tank and add 200 gallons of water. Apply the 200 gallons to the remaining 54 acres using the same injection rate.
12. Posting Requirements: Areas being treated with pesticides applied through irrigation systems must be posted at the usual entrances to the area, at bulletin boards where workers assemble and where the treated area lies adjacent to roads, residential areas, or any other areas such as schools, parks or other public facilities. Posted signs must be legible from 25 feet away and be printed in English and any other appropriate language such as Spanish. Signs must be posted prior to application, during application and for at least one week after application, but may remain in place indefinitely. The sign must indicate the following:

## NOTICE

Pesticides are applied in irrigation water in this field. Do not enter this field when the irrigation system is operating. Do not drink, bathe in or play in water or in furrows, puddles, ponds, canals or ditches associated with this irrigation system.

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