Gowan®
The Go To Company
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FIFRA §2(ee) RECOMMENDATION
FOR DISTRIBUTION AND USE ONLY WITHIN THE STATES OF ARIZONA AND CALIFORNIA

TREFLAN® HFP
HERBICIDE

Celery applied by chemigation

- This labeling must be in the possession of the user at the time of pesticide application.
- It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
- All applicable directions, restrictions and precautions on the EPA registered label are to be followed.

CELERY - Treflan HFP may be applied to direct seeded or transplant celery before planting, at planting, or immediately after planting.

Broadcast Application Rates per Acre

Soil Texture	Treflan HFP (pints)
coarse	1.0
medium	1.25 – 1.5
fine	1.5 – 2.0

• Coarse and medium soils with 2 to 5% organic matter - 1.5 pints
• Fine soils with 2 to 5% organic matter - 2 pints
• Soils with 5 to 10% organic matter - 2 pints
• Use lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

Application by Chemigation
Treflan HFP may be applied through properly equipped chemigation systems for weed control in certain crops. Read and follow all label instructions outlined below concerning chemigation before applying Treflan HFP by this method.

General Chemigation Directions:
Apply this product only through continuously moving center pivot, lateral move end tow, solid set, or hand move irrigation systems, or certain other systems described in EPA-accepted supplemental labeling.
Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of chemigation treated water.
If you have questions about calibration you should contact state extension specialists, equipment manufacturers, or other experts.
Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system.
A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Sprinkler Chemigation Directions:
The following directions must be followed for all listed sprinkler irrigation systems (center pivot, lateral move, or end tow):
1. The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back-flow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point that pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.
8. Inject Treflan HFP continuously throughout the chemigation period. Check the chemigation-metering pump periodically during application to insure proper operation.

9. The injection-metering pump must be calibrated as specified by the manufacturer.
10. Pesticide injection hoses which connect chemigation-metering equipment to the sprinkler irrigation system should be of braided reinforced construction with an internal tube made of nylon, cross-linked polyethylene, or high-density polyethylene.
11. Treflan HFP may cause staining of plastic hoses and tanks.
12. Apply Treflan HFP in sprinkler irrigation equal to 1/2 to 1 inch of water.
13. During chemigation, maintain agitation in supply tank at all times.

Chemigation System Calibration:

Sample calculation for use of Treflan HFP in a chemigation system:
• Assume, in this example, 133 acres are to be covered by a chemigation treatment.
• Product required, assuming 1.5 pints per acre, is 199.5 pints
(133 acres X 1.5 pt/acre = 199.5 pt = 25 gallons)
• Add 25 gallons of product directly to the injection supply tank.
• Adjust the injection system to deliver 25 gallons during the time required to apply 1 inch of water to 133 acres.
If the irrigation system requires 20 hours to apply 1 inch of water to 133 acres, the injection rate is 1.25 gal/hr and is calculated as follows:
• 25 gal ÷ 20 hr = 1.25 gal/hr
1.25 gal/hr = 160 fl oz/hr
Proper calibration requires the injection pump to be adjusted to deliver 2.7 fl oz/min and is calculated as follows:
• 160 fl oz/hr ÷ 60 min./hr = 2.7 fl oz per min.

Chemigation Mixing Directions:

Undiluted Treflan HFP: When used alone, the injection of undiluted Treflan HFP is recommended in chemigation systems. For undiluted use, the metering pump, supply tank, and any associated equipment must be thoroughly clean and dry before Treflan HFP is added to the system for injection. When injecting undiluted Treflan HFP, maintain continuous agitation in the supply tank.

Diluted Treflan HFP: Treflan HFP may be diluted if required to achieve accurate calibration for existing equipment. Partially fill the injection supply tank with a volume of water equal to the amount of Treflan HFP required (do not add water to Treflan HFP). Start agitation. Add the required amount of Treflan HFP to water in the supply tank and continue mixing while filling the tank to the final volume required by the injection pump calibration. When injecting diluted Treflan HFP, maintain continuous agitation in supply tank.

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