



ORTHENE 97[®]
For Application Through Sprinkler
Irrigation Systems For Cutworm Control
In Peppermint and Spearmint

FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF OREGON

ORTHENE[®] 97
EPA REG. NO. 5481-8978
EPA SLN NO. OR-090026

THIS LABEL IS VALID UNTIL DECEMBER 31, 2020 OR UNTIL OTHERWISE AMENDED, WITHDRAWN, CANCELED, OR SUSPENDED.

Active Ingredient	By Wt.
* Acephate.....	97.4%
Other Ingredients	<u>2.6%</u>
TOTAL	100%

*(O,S-Dimethyl acetylphosphoramidothioate)

KEEP OUT OF THE REACH OF CHILDREN
CAUTION

ENVIRONMENTAL HAZARDS: This pesticide is toxic to birds. 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. Do not contaminate water when cleaning equipment or disposing of equipment washwaters. Cover or soil-incorporate spills.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permitted and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

This product and its degradate are highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

DIRECTIONS FOR USE

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

Follow all applicable directions, restrictions and precautions on this Special Local Need (SLN) label and on the EPA-registered product label. This SLN label and the EPA-registered product label must be in the possession of the user at the time of mixing and pesticide application.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN NONPERFORMANCE OF PRODUCT, CROP INJURY OR ILLEGAL RESIDUES.

Application Method	Pest Controlled	Rate of Orthene 97 per Acre	Remarks	Days to Harvest
FOLIAR Sprinkler Irrigation Systems (Chemigation)	Cutworms	1.0 lb. (16 ounces)	Apply <i>Orthene</i> 97 in no more than 0.15" of water with center pivot, wheel roll or solid set sprinkler irrigation equipment. Chemigation application – early season, may be slightly less effective than ground or air application due to total water volume when crop canopy is minimal. Apply when cutworms first appear. Make one repeat application at a minimum of a 7-day interval, if necessary, to maintain control.	14

Restrictions:

1. Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.
2. Do not apply more than 2 applications of Orthene 97 per season, regardless of application method.
3. Do not apply more than 2 lb. of Orthene 97 (1.95 lb. ai) per acre per season.
4. Allow at least 7 days between applications of Orthene 97.
5. Do not apply Orthene 97 within 14 days of harvest.
6. Do not graze treated areas and do not feed spent mint hay to animals.

Bee protection Statement:

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. Applications to blooming mint must be made between 2 and ½ hours prior to sunset and midnight.

Chemigation Information:

Application of more than label recommended quantities of irrigation water per acre may result in decreased product performance by removing the chemical from the zone of effectiveness. Use a metering device to inject *Orthene* 97 into the irrigation water at a constant flow. Constant agitation must be maintained in the chemical supply tank during the entire period of application. Inject the product with a positive displacement pump into the main line ahead of a right angle turn to ensure adequate mixing. Allow time for all lines to flush the product through all nozzles before turning off irrigation water. To ensure the lines are flushed and free of remaining product, a dye indicator may be injected into the lines to mark the end of the application period.

Use Precautions

1. Apply this product only through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, travelers, big gun, or solid set. Do not apply this product through any other type of irrigation system.
2. Lack of effectiveness or illegal pesticide residues in the crop may result from non-uniform distribution of treated water.
3. If you have any questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
4. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.
5. A person knowledgeable of chemigation system and responsible for its operation, or under supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.
6. 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 backflow.
7. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
8. 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.
9. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
10. 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 where pesticide distribution is adversely affected.
11. 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.
12. Do not apply when wind speed favors drift beyond the area intended for treatment.

Spray Drift Management

1. For overhead chemigation, apply only when wind speed is 10 mph or less.
2. Do not allow spray to drift from the application site and contact people, structures people occupy at any time and the associated property, parks and recreation areas, nontarget crops, aquatic and wetland areas, woodlands, pastures, rangelands or animals.
3. The applicator also must use all other measures necessary to control drift

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