

FIFRA Section 24(c) Special Local Need



FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF WASHINGTON

ORTHENE® 97

APPLICATION TO PEPPERMINT AND SPEARMINT
BY CHEMIGATION FOR CUTWORM CONTROL

EPA Reg. No. 59639-91
EPA SLN No. WA-060017
(Rev. 1)

DIRECTIONS FOR USE

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

This labeling must be in the possession of the user at the time of application.

Follow all applicable directions, restrictions, Worker Protection Standard requirements and precautions on the EPA-registered label.

Crop / Application Method	Pest Controlled	Rate of Orthene 97 per Acre	Remarks	Days to Harvest
Peppermint and Spearmint / Chemigation	Cutworms	1.0 lb. (16 ounces)	Apply <i>Orthene</i> 97 with no more than a net application rate of 0.15" of water with a center pivot or linear move irrigation system. An early season chemigation application may be slightly less effective than ground or air application. Apply when cutworms first appear. A repeat application may be made at a minimum of a 7-day interval, if necessary to maintain control.	14

Chemigation Information:

Irrigation water application depth exceeding the label recommendation 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. When injection is complete, then purge the entire irrigation system including all nozzles or emitters. Flush the irrigation system for the same length of time that is necessary to fully charge the entire irrigation system. 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.

Chemigation Application to Peppermint and Spearmint:

1. Apply this product only through center pivot or linear move sprinkler irrigation systems. Do not apply this product through any other type of irrigation system.
2. Lack of efficacy or illegal pesticide residues in the crop may result from non-uniform distribution of treated water. The irrigation system must be designed and maintained to achieve a distribution uniformity of 80 percent or higher.
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 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, inspection port and low pressure drain appropriately located and of the appropriate size 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 positive displacement injection pump (e.g., piston or 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 use end guns during the chemigation application. End guns must be disabled throughout the chemigation application.
13. Plug or disable nozzles located within 30 feet of a sensitive area (e.g., public roadways, waters of the state, residential dwellings, wellheads, parks, etc.).
14. 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. Apply when wind speed is 10 mph or less. The applicator must also use all other measures necessary to control drift.
15. Refer to WSDA Rules Relating to Chemigation (WAC 16-202-1001 through WAC 16-202-1024) for additional information.

Restrictions / Precautions:

1. Do not apply more than 2 applications of *Orthene* 97 per season.
2. Do not apply more than 2 lb. of *Orthene* 97 (1.95 lb ai) per acre per season.
3. Allow at least 7 days between applications of *Orthene* 97.
4. Do not apply *Orthene* 97 within 14 days of harvest.
5. Do not graze treated areas.
6. 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 peppermint and spearmint must be made between 2 and ½ hours prior to sunset and midnight. Refer to WSDA Rules Relating to the use of Pesticides on Blossoming Alfalfa, Clover, Peppermint and Spearmint (WAC 16-230-010 through WAC 16-230-079) for additional information.
7. Read entire label. Use strictly in accordance with precautionary statements and directions and with applicable state and federal regulations. Failure to follow the directions for use and restrictions/precautions on this label may result in nonperformance of product, crop injury or illegal residues.

WSDA Container Disposal Guidance:

Completely empty the contents of the canister into application equipment and apply to a labeled crop or site. The empty container may be disposed of in a sanitary landfill. Burning is not a legal method of container disposal in Washington.

FIFRA § 24(c) Registrant: Valent U.S.A. Corporation
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This label for *Orthene* 97 expires and must not be distributed or used in accordance with this SLN registration after December 31, 2012.

Orthene is a registered trademark of OMS Investments, Inc. *Orthene* 97 U.S. patent 6,013,272.