

Product Bulletin

SUPPLEMENTAL LABEL FOR SPECIAL LOCAL NEED REGISTRATION 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. 3)

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	Instructions	Days to Harvest
Peppermint and Spearmint / Chemigation	Cutworms	1.0 lb. (16 ounces)	Apply <i>Orthene 97</i> with no more than a net application rate of .15" of water with a center pivot point 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 Requirements for Application to Peppermint and Spearmint:

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.

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 pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. An inspection port or a direct access point is required, and it must be positioned immediately upstream of the irrigation mainline check valve and be of sufficient size to allow visual and manual inspection of the check valve and low pressure drain. The inspection port or access point must have a minimum diameter of four inches, unless an alternative access system is approved by WSDA (WAC 16-202-1012[1]).
7. 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.
8. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
9. 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.
10. 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.
11. Do not use end guns during the chemigation application. End guns must be disabled throughout the chemigation application.
12. 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.).
13. 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.
14. Application off-site is prohibited. The chemigation application must be continuously observed whenever sensitive areas as defined in WAC 16-202-1002(44) (including but not limited to schools, parks, dwellings, occupied buildings or structures, public roadways, and waters of the state) are at risk of being exposed to drift, runoff, or overspray. WSDA Chemigation Rules (WAC 16-202-1001 through WAC 16-202-1024), and information on USEPA Authorized Alternative Chemigation Safety Equipment, Distribution Uniformity and other chemigation topics are available on the WSDA website (<http://agr.wa.gov/PestFert/ChemFert/default.aspx>).
15. The chemigation application tank cannot be placed within 20 feet of the wellhead or other sensitive areas. Mixing or loading activities cannot occur within 20 feet of the wellhead or other sensitive

areas (WAC 16-202-1008[1]).

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 1/2 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 paper container 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: AMVAC Chemical 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.

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