

**RESTRICTED USE PESTICIDE**

**Due to Toxicity to Fish and Aquatic Organisms**

Toxic to fish and aquatic organisms. For retail sale to and use only by Certified Applicators, or persons under their direct supervision, and only for those uses covered by the Certified Applicator's Certification



**Section 24(c) Special Local Need Label**

**FOR DISTRIBUTION AND USE ONLY WITHIN NEW YORK STATE**

**Warrior II with Zeon Technology®**

**For use in eradication programs for non-indigenous exotic fruit fly pests of the *Tephritidae* family including European Cherry Fruit Fly (*Rhagoletis cerasi*).**

**EPA Reg. No. 100-1295  
EPA SLN No. NY-18XXXX**

Active Ingredient:	
Lambda-cyhalothrin <sup>1,2</sup> .....	22.8%
Other Ingredients:	77.2%
Total:	100.0%

<sup>1</sup>CAS No. 91465-08-6

<sup>2</sup>Synthetic pyrethroid

**KEEP OUT OF REACH OF CHILDREN**

**WARNING**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

## DIRECTION FOR USE

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This label 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 registered container label.
- All application will be made by or under the supervision of a licensed state or federal employee.
- Do not allow offsite movement of the treatment solution from treated area into sewers or drains, or to any area where drainage to sewers, storm drains, water bodies or aquatic habitat.

### **General Instructions**

To ensure that the public, program applicators and personnel, as well as the environment and non-target species, are protected from adverse impacts associated with use of this product, observe the following conditions:

#### **Notification of the Public**

- Prior to initiating an eradication program, NYS Department of Agriculture and Markets (NYSDAM) and USDA/APHIS are responsible for ensuring that the public is provided adequate notice about a planned treatment program.
- Residents whose property will be treated with soil drenches will be notified in writing 24 hours prior to treatment.
- Treatment may begin immediately in situations where residents grant permission to do so.
- In some instances, treatment without prior notification may be necessary on a small number of properties; but efforts will be made to contact residents if treatment is warranted.

#### **Destruction of Fruit in Treated Areas**

- USDA/APHIS/NYSDAM shall remove and destroy all fruit from fruit bearing host plants where soil drench applications occur.

#### **Application Precautions**

- Application staff will remain on site until all of the material is absorbed in the soil.
- Treatment area will be posted and cordoned off by flags for 24 hours after treatment.

### **Soil Drench Directions**

Soil drenching is the application to the soil under the dripline of fruit bearing host plants in order to kill larvae dropping to the ground, pupae or emerging adult fruit flies. Drenching is conducted when larvae are found in host fruit or when a mature female fly is detected or if there is evidence of a breeding population. The area drenched must be posted and flagged off for twenty-four hours post-treatment.

Soil drenches to drip line of *Prunus* species and *Lonicera* species hosts found within a 200 m to 400 m (656 ft to 1312 ft) radius from a European Cherry Fruit Fly (ECFF) detection. The soil drench strategy will prioritize the ECFF pest find sites and adjacent hosts, but could possibly extend to 400 m depending on hosts, terrain, pest risk and other factors.

**Application Rate:**

Apply 0.4 lbs. a.i. per acre, which equates to a single maximum rate of 0.0092 lbs. a.i. per 1,000 sq. ft. of soil surface. This equals 0.56 fl. oz. of product in 15.5 gallons of water per 1,000 sq. ft.

**Mixing Instructions:**

Mix 0.73 fl. oz. product in 20 gallons of water to form a solution/suspension. 15.5 gallons will treat 1,000 sq. ft. of soil surface.

<b>Total Mix Desired</b>	<b>Warrior II Concentrate</b>		<b>Square Feet Treated (Reference Only)</b>
1 gallon	0.04 fl. oz.	1.2 ml	64.5
5 gallons	0.18 fl. oz.	5.3 ml	322.5
10 gallons	0.37 fl. oz.	10.9 ml	645
20 gallons	0.73 fl. oz.	21.6 ml	1,290
30 gallons	1.1 fl. oz.	32.5 ml	1,935
40 gallons	1.5 fl. oz.	44.4 ml	2,580
50 gallons	1.9 fl. oz.	56.2 ml	3,225
100 gallons	3.7 fl. oz.	109.4 ml	6,450
200 gallons	7.3	215.9	12,900
500 gallons	18.5	547.0	32,250

NOTE: Once mixed, there are no time restrictions listed on when the solution must be used by, however, avoid mixing more than you can use.

**Application Sites and Methods**

Use as a soil drench on the following sites:

- Within the drip line of fruit bearing host plants that are located within a 200 m radius from a fruit fly larva or mated female find, and
- As a regulatory treatment on host nursery stock and to soil around nursery stock to allow stock to move out of the quarantine area.

**A. Applications within drip line of fruit bearing host plants**

- Prior to application of the pesticide mixture, pre-drench areas to be treated with sufficient water (up to 20 gallons/1,000 sq. ft.) to break the surface tension of the soil to allow adequate penetration of the pesticide mixture.
- Make treatments such that no liquid remains on the soil surface in order to avoid non-target exposure of humans, animals, and non-target species.
- In areas where absorption is slow, applicators will remain on-site until the application has been absorbed into the soil.

**B. Applications on host nursery stock**

- Make applications using sufficient volume to soak the entire contents of the nursery stock container. Do not drench to the point of runoff.
- Apply to nursery stock using equipment that generates a coarse, low pressure spray.

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