

# Supplemental Label



**EPA Reg. No. 59639-138**  
(Except California and New York)

**FOR USE ON**  
**CANE BERRY (Subgroup 13-07A)**  
**CUCURBIT VEGETABLES (Crop Group 9)**  
**LOW GROWING BERRY (Subgroup 13-07G)**  
**PEPPERS AND EGGPLANT (Subgroup 8-10B)**  
**SMALL FRUIT VINE CLIMBING, EXCEPT FUZZY KIWIFRUIT (Subgroup 13-07F)**  
**TROPICAL AND SUB-TROPICAL FRUIT (INEDIBLE PEEL)**

This supplemental label expires May 3, 2014, and must not be used or distributed after this date

## **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. READ THE LABEL AFFIXED TO THE CONTAINER FOR ZEAL MITICIDE<sup>1</sup> BEFORE APPLYING. USE OF ZEAL MITICIDE<sup>1</sup> ACCORDING TO THIS LABELING IS SUBJECT TO THE USE PRECAUTIONS AND LIMITATIONS IMPOSED BY THE LABEL AFFIXED TO THE CONTAINER FOR ZEAL MITICIDE<sup>1</sup>.**

**CANEBERRY**  
(Subgroup 13-07A)

<b>CROP</b>	<b>PESTS</b>	<b>PRODUCT RATE OZ/ACRE</b>	<b>SPECIAL INSTRUCTIONS</b>
Blackberry Loganberry Raspberry, Black Raspberry, Red Raspberry, Wild Cultivars, varieties and/or hybrids of these	Two-spotted Spider Mite	2.0 to 3.0 (0.09 to 0.135 lb ai/A)	<p>Apply by ground as a full coverage spray in a minimum of 50 gals/A of water. Applications of <i>Zea/ Miticide</i><sup>1</sup> must be done using enough carrier (water) to ensure thorough coverage of the crop's vegetative and reproductive parts, which mites are using for dispersal, feeding and reproduction. Use higher water volumes on older trees and varieties that have more compact and dense foliage. Higher volumes of water coupled with well calibrated equipment will help to provide better coverage.</p> <p>Best results are achieved when mite populations are low. <i>Zea/ Miticide</i><sup>1</sup> is predominately an ovicide/larvicide. Apply <i>Zea/ Miticide</i><sup>1</sup> at or prior to threshold for your area but not greater than the maximum rate listed.</p> <p>Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.</p>
<p><b>Restrictions</b></p> <ul style="list-style-type: none"> <li>• Preharvest interval (PHI) is 0 day.</li> <li>• Do not make more than one (1) <i>Zea/ Miticide</i><sup>1</sup> application per season.</li> <li>• Do not apply more than 3.0 oz (0.135 lb ai) of <i>Zea/ Miticide</i><sup>1</sup> per acre per season</li> <li>• Do not use with an adjuvant or surfactant.</li> </ul>			

**MANAGING RESISTANCE:** Repeated use of the same class of miticides or miticides with similar modes of action can lead to the buildup of resistant mite strains. *Zea/ Miticide*<sup>1</sup> should be used in alternation with miticides having different modes of action and/or that belong to different chemical classes. Follow local, state, and federal Integrated Pest Management (IPM) and Resistance Management (RM) recommendations. Read and follow all product labels before applying any miticide.

## CUCURBIT VEGETABLES

(Crop Group 9)

CROP	PESTS	PRODUCT RATE OZ/ACRE	SPECIAL INSTRUCTIONS
Acorn Squash Balsam Apple Balsam Pear Bitter melon Butternut Squash Calabaza Squash Cantaloupe Chayote (fruit) Chinese Cucumber Chinese Okra Chinese Waxgourd (Chinese Preserving Melon) Citron Melon Cucumber Cucuzza Gherkin Gourd, Edible Hechima Hubbard Squash Hyotan <i>Momordica</i> spp. Muskmelon Pumpkin Spaghetti Squash Summer Squash Watermelon Winter Squash	Two-spotted Spider Mite Carmine Spider Mite Pacific Spider Mite Strawberry Spider Mite	2.0 to 3.0 (0.09 to 0.135 lb ai/A)	Apply with air or ground equipment in adequate water for uniform coverage (a minimum of 3 gals/A by air or a minimum of 10 gals/A by ground). Coverage is essential for good control. Use of higher water volume will assure better coverage.  Applications of <i>Zeal Miticide</i> <sup>1</sup> must be made using enough carrier (water) to ensure thorough coverage of the crop's vegetative and reproductive parts, which mites use for dispersal, feeding and reproduction. Use higher water volumes on more mature plants and varieties that have more compact and dense foliage. Higher volumes of water coupled with well calibrated equipment will help to provide better coverage.  Best results are achieved when mite populations are low. <i>Zeal Miticide</i> <sup>1</sup> is predominately an ovicide/larvicide. Apply <i>Zeal Miticide</i> <sup>1</sup> at or prior to threshold for your area but not greater than the maximum rate listed.  Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.
<b>Restrictions</b> <ul style="list-style-type: none"> <li>• Preharvest interval (PHI) is 7 days.</li> <li>• Do not make more than one (1) <i>Zeal Miticide</i><sup>1</sup> application per season.</li> <li>• Do not apply more than 3.0 oz (0.135 lb ai) of <i>Zeal Miticide</i><sup>1</sup> per acre per season.</li> <li>• Do not use with an adjuvant or surfactant.</li> </ul>			

**MANAGING RESISTANCE:** Repeated use of the same class of miticides or miticides with similar modes of action can lead to the buildup of resistant mite strains. *Zeal Miticide*<sup>1</sup> should be used in alternation with miticides having different modes of action and/or that belong to different chemical classes. Follow local, state and federal Integrated Pest Management (IPM) and Resistance Management (RM) recommendations. Read and follow all product labels before applying any miticide.

## LOW GROWING BERRY

(Subgroup 13-07G)

CROP	PEST	PRODUCT RATE OZ/ACRE	SPECIAL INSTRUCTIONS
Bearberry Bilberry Blueberry, Lowbush Cloudberry Cranberry Lingonberry Muntries Partridgeberry Strawberry Cultivars, varieties, and/or hybrids of these	European Red Mite Pacific Spider Mite Two-spotted Spider Mite	2.0 to 3.0 (0.09 to 0.135 lb ai/A)	Apply with ground equipment in a minimum of 100 gals/A of water. Coverage is essential for good control. Use of higher water volume will assure better coverage.  Best results are achieved when mite populations are low. <i>Zea/ Miticide</i> <sup>1</sup> is predominately an ovicide/larvicide and should be used early in the life cycle of mites. Apply <i>Zea/ Miticide</i> <sup>1</sup> at or prior to threshold for your area but not greater than the maximum rate listed.  <i>Zea/ Miticide</i> <sup>1</sup> will not control Cyclamine Mite. Another miticide registered for this pest should be used if these mites are a problem.  Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.
	Two-spotted Spider Mite	2.0 to 3.0 (0.09 to 0.135 lb ai/A) + 10 2/3 fl oz <i>Danitol</i> <sup>®</sup> 2.4 EC Insecticide (0.2 lb ai/A)	Apply with ground equipment in adequate water for uniform coverage (using a minimum of 100 gals/A).  Alternate with other non-pyrethroid insecticides if retreatment is needed in less than 30 days to comply with local IPM programs.  Comply with all applicable directions, restrictions and precautions on the registered label for <i>Danitol</i> 2.4 EC Insecticide.
	<b>Restrictions</b> <ul style="list-style-type: none"> <li>• Preharvest interval (PHI) is 1 day.</li> <li>• Do not make more than one (1) <i>Zea/ Miticide</i><sup>1</sup> application per season.</li> <li>• Do not apply more than 3.0 oz (0.135 lb ai) of <i>Zea/ Miticide</i><sup>1</sup> per acre per season.</li> <li>• Do not use with an adjuvant or surfactant.</li> </ul>		

**MANAGING RESISTANCE:** Repeated use of the same class of miticides or miticides with similar modes of action can lead to the buildup of resistant mite strains. *Zea/ Miticide*<sup>1</sup> should be used in alternation with miticides having different modes of action and/or that belong to different chemical classes. Follow local, state and federal Integrated Pest Management (IPM) and Resistance Management (RM) recommendations. Read and follow all product labels before applying any miticide.

**PEPPER AND EGGPLANT**  
(Subgroup 8-10B)

CROP	PESTS	PRODUCT RATE OZ/ACRE	SPECIAL INSTRUCTIONS
African Eggplant Bell Pepper Eggplant Martynia Non-Bell Pepper Okra Pea Eggplant Pepino Roselle Scarlet Eggplant Cultivars, varieties and/or hybrids of these	Two-spotted Spider Mite	2.0 to 3.0 (0.09 to 0.135 lb ai/A)	<p>Apply with ground equipment in a minimum of 20 gals/A of water. Applications of <i>Zea/ Miticide</i><sup>1</sup> must be made using enough carrier (water) to ensure thorough coverage of the crop's vegetative and reproductive parts, which mites use for dispersal, feeding and reproduction. Use higher water volumes on more mature plants and varieties that have more compact and dense foliage. Higher volumes of water coupled with well calibrated equipment will help to provide better coverage.</p> <p>Best results are achieved when mite populations are low. <i>Zea/ Miticide</i><sup>1</sup> is predominately an ovicide/larvicide. Apply <i>Zea/ Miticide</i><sup>1</sup> at or prior to threshold for your area but not greater than the maximum rate listed.</p> <p>Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.</p>
<p><b>Restrictions</b></p> <ul style="list-style-type: none"> <li>• Preharvest interval (PHI) is 7 days.</li> <li>• Do not make more than one (1) <i>Zea/ Miticide</i><sup>1</sup> application per season.</li> <li>• Do not apply more than 3.0 oz (0.135 lb ai) of <i>Zea/ Miticide</i><sup>1</sup> per acre per season</li> <li>• Do not use with an adjuvant or surfactant.</li> </ul>			

**MANAGING RESISTANCE:** Repeated use of the same class of miticides or miticides with similar modes of action can lead to the buildup of resistant mite strains. *Zea/ Miticide*<sup>1</sup> should be used in alternation with miticides having different modes of action and/or that belong to different chemical classes. Follow local, state, and federal Integrated Pest Management (IPM) and Resistance Management (RM) recommendations. Read and follow all product labels before applying any miticide.

**SMALL FRUIT VINE CLIMBING, EXCEPT FUZZY KIWIFRUIT**  
(Subgroup 13-07F)

<b>CROP</b>	<b>PESTS</b>	<b>PRODUCT RATE OZ/ACRE</b>	<b>SPECIAL INSTRUCTIONS</b>
Amur River Grape Gooseberry Grape Kiwifruit, Hardy Maypop Schisandra Berry Cultivars, varieties, and/or hybrids of these	European Red Mite Pacific Spider Mite Two-spotted Spider Mite Willamette Mite	2.0 to 3.0 (0.09 to 0.135 lb ai/A)	<p>Apply by ground as a full coverage spray in a minimum of 25 gals/A of water. Coverage is essential for good control. Use of higher water volume will assure better coverage.</p> <p>Best results are achieved when mite populations are low. <i>Zeal Miticide</i><sup>1</sup> is predominately an ovicide/larvicide and should be used early in the life cycle of mites. Apply <i>Zeal Miticide</i><sup>1</sup> at or prior to threshold for your area but not greater than the maximum rate listed.</p> <p><i>Zeal Miticide</i><sup>1</sup> will not control Rust Mites or Blister Mites. If these pests are a problem, use an alternative miticide registered for that use.</p> <p>Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.</p>
<p><b>Restrictions</b></p> <ul style="list-style-type: none"> <li>• Preharvest interval (PHI) is 14 days</li> <li>• Do not make more than one (1) <i>Zeal Miticide</i><sup>1</sup> application per season.</li> <li>• Do not apply more than 3.0 oz (0.135 lb ai) of <i>Zeal Miticide</i><sup>1</sup> per acre per season.</li> <li>• Do not use with an adjuvant or surfactant.</li> </ul>			

**MANAGING RESISTANCE:** Repeated use of the same class of miticides or miticides with similar modes of action can lead to the buildup of resistant mite strains. *Zeal Miticide*<sup>1</sup> should be used in alternation with miticides having different modes of action and/or that belong to different chemical classes. Follow local, state and federal Integrated Pest Management (IPM) and Resistance Management (RM) recommendations. Read and follow all product labels before applying any miticide.

**TROPICAL AND SUB-TROPICAL FRUIT (INEDIBLE PEEL)**

CROP	PESTS	PRODUCT RATE OZ/ACRE	SPECIAL INSTRUCTIONS
Avocado Canistel Mango Papaya Sapodilla Sapote, Black Sapote, Mamey Star Apple	Avocado Brown Mite Persea Mite Two-spotted Spider Mite	2.0 to 3.0 (0.09 to 0.135 lb ai/A)	<p>Apply with air or ground equipment in adequate water for uniform coverage (minimum 20 gals/A by air or minimum 50 gals/A by ground). Applications of <i>Zea/ Miticide</i><sup>1</sup> must be made using enough carrier (water) to ensure thorough coverage of the crop's vegetative and reproductive parts, which mites use for dispersal, feeding and reproduction. Use higher water volumes on more mature plants and varieties that have more compact and dense foliage. Higher volumes of water coupled with well calibrated equipment will help to provide better coverage.</p> <p>Best results are achieved when mite populations are low. <i>Zea/ Miticide</i><sup>1</sup> is predominately an ovicide/larvicide. Apply <i>Zea/ Miticide</i><sup>1</sup> at or prior to threshold for your area but not greater than the maximum rate listed.</p> <p>Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.</p>
<p><b>Restrictions</b></p> <ul style="list-style-type: none"> <li>• Preharvest interval (PHI) is 1 day.</li> <li>• Do not make more than one (1) <i>Zea/ Miticide</i><sup>1</sup> application per season.</li> <li>• Do not apply more than 3.0 oz (0.135 lb ai) of <i>Zea/ Miticide</i><sup>1</sup> per acre per season</li> </ul>			

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**PLEASE CONTACT VALENT U.S.A. CORPORATION AT 800-6-VALENT (682-5368)  
TO DETERMINE IF THIS USE IS REGISTERED IN YOUR STATE.**

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