



**US Environmental Protection Agency  
Office of Pesticide Programs**

**Petition for Etoxazole -  
Tab G - Current Registered  
Labels for Etoxazole -  
Continued**

**August 11 , 2010**

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## COTTON

CROP	PESTS	PRODUCT RATES OZ./ACRE	SPECIAL INSTRUCTIONS
Cotton	Carmine Spider Mite Pacific Spider Mite Twospotted Spider Mite	0.66 - 1.0	<p>Apply with air or ground equipment in adequate water for uniform coverage (3 to 10 gals./A by air or 10 to 50 gals./A by ground). 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. SECURE is predominately an ovicide/farvicide and should be used early in the life cycle of mites. SECURE should be applied at the threshold for your area.</p> <p>The use of rates below 0.66 oz./A (0.03 lb. ai/A) is not recommended since it may result in poor control and contribute to resistance.</p>
<ul style="list-style-type: none"> <li>• Do not apply within 28 days of harvest.</li> <li>• Do not make more than 1 SECURE application per season.</li> <li>• Do not apply more than 1.0 oz. of SECURE per acre per season.</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. SECURE should be used in alternation with other miticides possessing dissimilar modes of action and/or with other chemical classes of miticides. Follow local, state and federal Integrated Pest Management (IPM) and Resistance Management (RM) recommendations. Read and follow all product labels before applying any miticide.

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## GRAPE

CROP	PESTS	PRODUCT RATE OZ/ACRE	SPECIAL INSTRUCTIONS
Grape	Pacific Spider Mite Twospotted Spider Mite	2.0 - 3.0	<p>Apply by ground as a full coverage spray in 25 - 200 gals. of water per acre. 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. SECURE is predominately an ovicide/larvicide and should be used early in the life cycle of mites. SECURE should be applied at threshold for your area.</p> <p>SECURE will not control Rust Mites or Blister Mites. If these pests are a problem, use an alternative miticide registered for that use.</p> <p>The use of rates below 2.0 oz./A (0.09 lb. a/A) is not recommended since it may result in poor control and contribute to resistance.</p>
			<ul style="list-style-type: none"> <li>• Do not apply within 14 days of harvest.</li> <li>• Do not make more than 1 SECURE application per season.</li> <li>• Do not apply more than 3.0 oz. of SECURE per acre per season.</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. SECURE should be used in alternation with other miticides possessing dissimilar modes of action and/or with other chemical classes of miticides. Follow local, state and federal Integrated Pest Management (IPM) and Resistance Management (RM) recommendations. Read and follow all product labels before applying any miticide.

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### NON-BEARING FRUIT AND NUT TREES

CROP	PESTS	PRODUCT RATES OZ/ACRE	SPECIAL INSTRUCTIONS
Non-Bearing Fruit and Nut Trees	European Red Mite McDaniel Spider Mite Pacific Spider Mite Twospotted Spider Mite	2.0 – 3.0	Apply by ground with airblast equipment as a full coverage spray.  Best results are achieved when mite populations are low. SECURE is predominately an ovicide/larvicide. SECURE should be applied at or prior to threshold for your area.  The use of rates below 2.0 oz./A (0.09 lb. ai/A) is not recommended since it may result in poor control and contribute to resistance.
	<ul style="list-style-type: none"> <li>• Do not harvest fruit or nuts from treated trees within one year of application.</li> <li>• Do not make more than 1 SECURE application per season.</li> <li>• Do not apply more than 3.0 oz. SECURE per acre per season.</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. SECURE should be used in alternation with other miticides possessing dissimilar modes of action and/or with other chemical classes of miticides. Follow local, state and federal Integrated Pest Management (IPM) and Resistance Management (RM) recommendations. Read and follow all product labels before applying any miticide.

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### POME FRUIT

CROPS	PESTS	PRODUCT RATE OZ./ACRE	SPECIAL INSTRUCTIONS
Pome Fruit such as Apple Crabapple Loquat Pear Quince	European Red Mite McDaniel Spider Mite Pacific Spider Mite Twospotted Spider Mite	2.0 - 3.0	<p>Apply by ground with airblast equipment in a minimum of 100 gals./A. 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. SECURE is predominately an ovicide/ovicide and should be used early in the life cycle of mites. SECURE should be applied at threshold for your area.</p> <p>SECURE will not control Rust Mites or Blister Mites. If these pests are a problem, use an alternative miticide registered for that use.</p> <p>The use of rates below 2.0 oz./A (0.09 lb. a/A) is not recommended since it may result in poor control and contribute to resistance.</p>
<ul style="list-style-type: none"> <li>- Do not apply within 14 days of harvest.</li> <li>- Do not make more than 1 SECURE application per season.</li> <li>- Do not apply more than 3.0 oz. of SECURE per acre per season.</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. SECURE should be used in alternation with other miticides possessing dissimilar modes of action and/or with other chemical classes of miticides. Follow local, state, and federal Integrated Pest Management (IPM) and Resistance Management (RM) recommendations. Read and follow all product labels before applying any miticide.

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### STRAWBERRY

CROP	PESTS	PRODUCT RATE OZ/ACRE	SPECIAL INSTRUCTIONS
Strawberry	Pacific Spider Mite Twospotted Spider Mite	2.0 – 3.0	<p>Apply with ground equipment in a minimum of 100 gals/A. 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. SECURE is predominately an ovicide/larvicide and should be used early in the life cycle of mites. SECURE should be applied at threshold for your area.</p> <p>SECURE will not control Cyclamine Mite. Another miticide registered for this pest should be used if these mites are a problem.</p> <p>The use of rates below 2.0 oz./A (0.09 lb. a/A) is not recommended since it may result in poor control and contribute to resistance.</p>
	Lygus Pacific Spider Mite Spittle Bug Tarnished Plant Bug Twospotted Spider Mite	2.0 – 3.0 + 10 2/3 fl. oz. DANITOL® 2.4 EC (0.2 lb. a/A)	<p>Apply with ground equipment in adequate water for uniform coverage (100 to 300 gals/A).</p> <p>Alternate with other non-pyrethroid insecticides if retreatment is needed in less than 30 days to comply with local IPM programs.</p> <p>Comply with all applicable directions, restrictions and precautions on the registered label for DANITOL 2.4 EC.</p>
<ul style="list-style-type: none"> <li>• Do not apply within 1 day of harvest.</li> <li>• Do not make more than 1 SECURE application per season.</li> <li>• Do not apply more than 3.0 oz. of SECURE per acre per season.</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. SECURE should be used in alternation with other miticides possessing dissimilar modes of action and/or with other chemical classes of miticides. Follow local, state, and federal Integrated Pest Management (IPM) and Resistance Management (RM) recommendations. Read and follow all product labels before applying any miticide.

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### TREE NUTS

CROPS	PESTS	PRODUCT RATES OZ./ACRE	SPECIAL INSTRUCTIONS
Tree Nuts such as Almond Beech Nut Brazil Nut Butternut Cashew Chestnut Chinquapin Filbert (Hazelnut) Hickory Nut Macadamia Nut Pecan Pistachio Walnut Black English	European Red Mite Pacific Spider Mites Twospotted Spider Mites	2.0 – 3.0	Apply by ground with airblast equipment as a full coverage spray.  Best results are achieved when mite populations are low. SECURE is predominately an ovicide/tarvicide. SECURE should be applied at or prior to threshold for your area.  The use of rates below 2.0 oz./A (0.09 lb. ai/A) is not recommended since it may result in poor control and contribute to resistance.
<ul style="list-style-type: none"> <li>• Do not apply within 28 days of harvest.</li> <li>• Do not make more than 1 SECURE application per season.</li> <li>• Do not apply more than 3.0 oz. SECURE per acre per season.</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. SECURE should be used in alternation with other miticide materials possessing dissimilar modes of action and/or with other chemical classes of miticides. Follow local, state, and federal Integrated Pest Management (IPM) and Resistance Management (RM) recommendations. Read and follow all product labels before applying any miticide.

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### CHRISTMAS TREES

CROP	PESTS	PRODUCT RATES OZ/ACRE	SPECIAL INSTRUCTIONS
Christmas Trees	McDaniel Spider Mite Pacific Spider Mite Spruce Spider Mite Twospotted Spider Mite	2.0 – 3.0	Apply by ground as full coverage spray or by air in a minimum of 10 gals/A. Coverage is critical for effective control.
			<p>Best results are achieved when mite populations are low. SECURE is predominately an ovicide/tarvicide. SECURE should be applied at or prior to threshold for your area.</p> <p>The use of rates below 2.0 oz/A (0.09 lb. ai/A) is not recommended since it may result in poor control and contribute to resistance.</p>
<ul style="list-style-type: none"> <li>• Do not make more than 1 SECURE application per season.</li> <li>• Do not apply more than 3.0 oz. SECURE per acre per season.</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. SECURE should be used in alternation with other miticides possessing dissimilar modes of action and/or with other chemical classes of miticides. Follow local, state, and federal Integrated Pest Management (IPM) and Resistance Management (RM) recommendations. Read and follow all product labels before applying any miticide.



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## STORAGE AND DISPOSAL

### PROHIBITIONS

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment.  
Open dumping is prohibited.

### PESTICIDE STORAGE

Keep pesticide in original container.  
Do not put concentrate or dilute into food or drink containers.  
Store in cool, dry place.  
Do not store diluted spray.  
For help with any spill, leak, fire or exposure involving this material, call day or night (800) 892-0099.

### PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### CONTAINER DISPOSAL

Triple rinse (or equivalent). Do not reuse container. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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DANITOL® - Reg. TM of Sumitomo Chemical Company, Ltd.  
SECURE™ - TM of Valent U.S.A. Corporation

Manufactured for:  
Valent U.S.A. Corporation  
P.O. Box 8025  
Walnut Creek, CA 94596-8025  
www.valent.com  
Made in U.S.A.

EPA Reg. No. 59639-123  
EPA EsL No.

059639-00123.20050817.SEC.doc.

GROUP 10B INSECTICIDE

PANTONE 318  
PANTONE 318  
PANTONE 318  
PROCESS BLACK

**NET WEIGHT 12 OUNCES**  
(Contains 4/3 oz WSP packets)



Active Ingredient	By Wt.
*Etoxazole .....	72%
Other Ingredients .....	28%
Total .....	100%

\*2-(2,6-difluorophenyl)-4-[4-(1,1-dimethylethyl)-2-ethoxyphenyl]-4,5-dihydrooxazole

EPA Reg. No. 59639-138      EPA Est. 67545-AZ-01

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

SEE NEXT PAGE FOR ADDITIONAL PRECAUTIONARY STATEMENTS

PRODUCT SIZE: 12 oz (4/3 oz Packets)  
BASE LABEL SIZE: 6-1/4" W x 6-1/2" H  
CLOSED BOOKLET SIZE: 5-3/4" W x 6-1/2" H  
OPEN BOOKLET SIZE: 11-1/2" W x 6-1/2" H  
UCC-EAN: (01) 0 06 53204 07790 5

FORM: 1570-D  
NAME: Zeal Miticide<sup>1</sup>  
KIND: Composite Booklet  
DATE: 04-11-08



MITICIDE<sup>1</sup>



(01) 0 06 53204 07790 5

Form 1570 D

6-1/2"

5-3/4"

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS & DOMESTIC ANIMALS**  
**CAUTION**

Causes moderate eye irritation. Avoid contact with eyes, skin and clothing. Avoid breathing dust.

**FIRST AID**

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.  
Call a poison control center or doctor for treatment advice.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.  
Call a poison control center or doctor for treatment advice.

**If swallowed:** Call a poison control center or doctor immediately for treatment advice.  
Have person sip a glass of water if able to swallow.  
Do not induce vomiting unless told to do so by a poison control center or doctor.  
Do not give anything by mouth to an unconscious person.

**If inhaled:** Move person to fresh air.  
If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.  
Call a poison control center or doctor for further treatment advice.

**HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-892-0099 for emergency medical treatment information.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):** Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

**Applicators and other handlers must wear:** long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride and shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**USER SAFETY RECOMMENDATIONS**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS:**

This pesticide is toxic to freshwater and marine/estuarine aquatic invertebrates, including oysters and shrimp. 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 apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

**DIRECTIONS FOR USE**

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

**READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is: long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material and shoes plus socks.

**DISCLAIMER, RISKS OF USING THIS PRODUCT, LIMITED WARRANTY AND LIMITATION OF LIABILITY**

**IMPORTANT:** Read the entire Label including this Disclaimer, Risks of Using this Product, Limited Warranty, and Limitation of Liability before using this product. If the terms are not acceptable THEN DO NOT USE THE PRODUCT; rather, return the unopened product within 15 days of purchase for a refund of the purchase price.

**RISKS OF USING THIS PRODUCT**

The Buyer and User (referred to collectively herein as "Buyer") of this product should be aware that there are inherent unintended risks associated with the use of this product which are impossible to eliminate. These risks include, but are not limited to, injury to plants and crops to which this product is applied, lack of control of the target pests or weeds, resistance of the target pest or weeds to this product, injury caused by drift, and injury to rotational crops caused by carryover in the soil. Such risks of crop injury, non-performance, resistance or other

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unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, disease, moisture conditions, irrigation practices, condition of the crop at the time of application, presence of other materials either applied in the tank mix with this product or prior to application of this product, cultural practices or the manner of use or application, (or a combination of such factors) all of which are factors beyond the control of Valent. The Buyer should be aware that these inherent unintended risks may reduce the harvested yield of the crop in all or a portion of the treated acreage, or otherwise affect the crop such that additional care, treatment and expense are required to take the crop to harvest. If the Buyer chooses not to accept these risks, THEN THIS PRODUCT SHOULD NOT BE APPLIED. By applying this product Buyer acknowledges and accepts these inherent unintended risks AND TO THE FULLEST EXTENT ALLOWED BY LAW, AGREES THAT ALL SUCH RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER.

Valent shall not be responsible for losses or damages (including, but not limited to, loss of yield, increased expenses of farming the crop or such incidental, consequential or special damages that may be claimed) resulting from use of this product in any manner not set forth on the label. Buyer assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

**LIMITED WARRANTY**

Valent warrants only that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label, under average use conditions, when used strictly in accordance with the label and subject to the risks of Using This Product as described above. To the extent consistent with applicable law AND AS SET FORTH ABOVE, VALENT MAKES NO OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED. No agent or representative of Valent or Seller is authorized to make or create any other express or implied warranty.

**LIMITATION OF LIABILITY**

To the fullest extent allowed by law, Valent or Seller is not liable for any incidental, consequential, indirect or special damages resulting from the use or

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6-1/2"

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5-3/4"

(continued)  
handling of this product. The limitation includes, but is not limited to, loss of yield on all or any portion of the treated acreage, increased care, treatment or other expenses required to take the crop to harvest, increased finance charges or altered finance ratings, emotional or mental distress and/or exemplary damages. TO THE FULLEST EXTENT ALLOWED BY LAW, THE EXCLUSIVE REMEDY OF THE BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF VALENT OR SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT OR, AT THE ELECTION OF VALENT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

**PROMPT NOTICE OF CLAIM**

To the extent consistent with applicable law allowing such requirements, Valent must be provided notice as soon as Buyer has reason to believe it may have a claim, but in no event later than twenty-one days from date of planting, or twenty-one days from the date of application, whichever is latter, so that an immediate inspection of the affected property and growing crops can be made.

To the extent consistent with applicable law, if Buyer does not notify Valent of any claims, in such period, it shall be barred from obtaining any remedy.

**NO AMENDMENTS**

Valent and Seller offer this product, and Buyer accepts it, subject to the foregoing Disclaimer, Risks of Using This Product, Limited Warranty and Limitation of Liability, which may not be modified by any oral or written agreement.

**TANK MIXES**

**NOTICE:** Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor, to the extent allowed by applicable law.

Read and follow the entire label of each product to be used in the tank mix with this product.

**CHEMIGATION**

Do not apply this product through any type of irrigation or chemigation system.

**RESISTANCE MANAGEMENT RECOMMENDATIONS**

Zeal<sup>®</sup> is a Group 10B insecticide. Mite biotypes with acquired resistance to Group 10B may eventually dominate the mite population if Group 10B insecticides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by Zeal or other Group 10B insecticides.

To delay insecticide resistance consider:

- Avoiding the consecutive use of Zeal or other Group 10B insecticides that have a similar target site of action, on the same mite species.
- Using tank mixtures or premixes with insecticides from different target site of action Group as long as the involved products are all registered for the same use and have different sites of action.
- Basing insecticide use on a comprehensive Integrated Pest Management (IPM) program.
- Monitoring treated mite populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisors and/or manufacturer for insecticide resistance management and/or IPM recommendations for specific site and resistant pest problems.

For further information or to report suspected resistance, you may contact Valent U.S.A. Corporation at the following toll-free number: 800-682-5362

**WATER SOLUBLE PACKAGING**

**MIXING INSTRUCTIONS**

**Water Soluble Packaging**

This bag contains water soluble packets of Zeal. Do not handle the packets with wet gloves or allow the packets to become wet prior to mixing. If all packets are not used, close and reseal outer container, to protect remaining packet(s). Do not add any liquid fertilizers, micronutrients or adjuvants to the spray solution until after the water soluble packets and their contents have completely dissolved. Water soluble packet(s) should completely dissolve in approximately five minutes. Dissolution rate may be slowed by cold water, lack of agitation, or water containing high concentrations of boron or sulfur. High concentration of boron or sulfur may result in spray screen or nozzle clogging due to the

6-1/2"

5-3/4"

incomplete dissolution of the water soluble packet material.

1. Fill clean spray tank 1/2 to 2/3 of desired level with clean water.
2. While agitating, add the correct number of *Zeal* water soluble packets and make sure that they have dissolved completely before proceeding. Agitation should create a rippling or rolling action on the water surface.

3. Fill spray tank to desired level with water. Agitation should continue until all spray solution has been applied.

4. Mix only the amount of spray solution that can be applied the day of mixing. *Zeal* should be applied within 6 hours of mixing.

5. Refer to the chart below to determine the number of *Zeal* water soluble packets required to treat a given number of acres at a specific rate.

**NUMBER OF ZEAL WATER SOLUBLE PACKETS  
REQUIRED TO TREAT SPECIFIED NUMBER OF ACRES**

RATE (OZ/A)	NUMBER OF ACRES TO BE TREATED	NUMBER OF 3 OZ PACKETS REQUIRED
0.66	45	10
1.0	30	10
2.0	15	10
3.0	10	10
4.0	7.5	10

**COTTON**

CROP	PESTS	PRODUCT RATES OZ/ACRE	SPECIAL INSTRUCTIONS
Cotton	Carmine Spider Mite Pacific Spider Mite Twospotted Spider Mite	0.66 to 1.0	Apply with air or ground equipment in adequate water for uniform coverage (3 to 10 gals/A by air or 10 to 50 gals/A by ground). 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>Zeal</i> is predominately an ovicide/larvicide and should be used early in the life cycle of mites. <i>Zeal</i> should be applied at the threshold for your area.  The use of rates below 0.66 oz/A (0.03 lb ai/A) is not recommended since it may result in poor control and contribute to resistance.
			<ul style="list-style-type: none"> <li>• Do not apply within twenty-eight (28) days of harvest.</li> <li>• Do not make more than one (1) <i>Zeal</i> application per season.</li> <li>• Do not apply more than 1.0 oz of <i>Zeal</i> per acre per season.</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* should be used in alternation with other miticides possessing dissimilar modes of action and/or with other chemical classes of miticides. Follow local, state, and federal Integrated Pest Management (IPM) and Resistance Management (RM) recommendations. Read and follow all product labels before applying any miticide.

**CHERRY (SWEET AND TART)**

CROP	PESTS	PRODUCT RATES OZ/ACRE	SPECIAL INSTRUCTIONS
Cherry, Sweet & Tart	Twospotted Spider Mite European Red Mite Pacific Spider Mite	2.0 to 3.0	<p>Apply with ground equipment in a minimum of 50 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</i> is predominately an ovicide/larvicide. <i>Zeal</i> should be applied at or prior to threshold for your area.</p> <p>The use of rates below 2.0 oz/A (0.09 lb ai/A) is not recommended since it may result in poor control and contribute to resistance.</p> <ul style="list-style-type: none"> <li>• Do not apply within seven (7) days of harvest.</li> <li>• Do not make more than one (1) <i>Zeal</i> application per season.</li> <li>• Do not apply more than 3.0 oz of <i>Zeal</i> per acre per season.</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* should be used in alternation with other miticides possessing dissimilar modes of action and/or with other chemical classes of miticides. Follow local, state and federal Integrated Pest Management (IPM) and Resistance Management (RM) recommendations. Read and follow all product labels before applying any miticide.

**GRAPE**

CROP	PESTS	PRODUCT RATES OZ/ACRE	SPECIAL INSTRUCTIONS
Grape	Pacific Spider Mite Twospotted Spider Mite	2.0 to 3.0	<p>Apply by ground as a full coverage spray in 25 to 200 gals of water per acre. 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</i> is predominately an ovicide/larvicide and should be used early in the life cycle of mites. <i>Zeal</i> should be applied at threshold for your area.</p> <p><i>Zeal</i> will not control Rust Mites or Blister Mites. If these pests are a problem, use an alternative miticide registered for that use.</p> <p>The use of rates below 2.0 oz/A (0.09 lb ai/A) is not recommended since it may result in poor control and contribute to resistance.</p>
<ul style="list-style-type: none"> <li>• Do not apply within fourteen (14) days of harvest.</li> <li>• Do not make more than one (1) <i>Zeal</i> application per season.</li> <li>• Do not apply more than 3.0 oz of <i>Zeal</i> per acre per season.</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* should be used in alternation with other miticides possessing dissimilar modes of action and/or with other chemical classes of miticides. Follow local, state and federal Integrated Pest Management (IPM) and Resistance Management (RM) recommendations. Read and follow all product labels before applying any miticide.

5-3/4"

6-1/2"



HOPS

CROP	PESTS	PRODUCT RATES OZ/ACRE	SPECIAL INSTRUCTIONS
Hops	Twospotted Spider Mite	3.0 to 4.0	Apply with ground equipment in a minimum of 50 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>Zeal</i> is predominately an ovicide/larvicide. <i>Zeal</i> should be applied at or prior to threshold for your area. The use of rates below 3.0 oz/A (0.135 lb ai/A) is not recommended since it may result in poor control and contribute to resistance.
<ul style="list-style-type: none"> <li>• Do not apply within seven (7) days of harvest.</li> <li>• Do not make more than one (1) <i>Zeal</i> application per season.</li> <li>• Do not apply more than 4.0 oz of <i>Zeal</i> per acre per season.</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* should be used in alternation with other miticides possessing dissimilar modes of action and/or with other chemical classes of miticides. Follow local, state and federal Integrated Pest Management (IPM) and Resistance Management (RM) recommendations. Read and follow all product labels before applying any miticide.

MELON  
(Subgroup 9A)

CROPS	PESTS	PRODUCT RATES OZ/ACRE	SPECIAL INSTRUCTIONS
Melons such as Cantaloupe Citron Melon Muskmelon Watermelon	Twospotted Spider Mite	2.0 to 3.0	Apply with ground equipment in a minimum of 50 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>Zeal</i> is predominately an ovicide/larvicide. <i>Zeal</i> should be applied at or prior to threshold for your area. The use of rates below 2.0 oz/A (0.09 lb ai/A) is not recommended since it may result in poor control and contribute to resistance.
<ul style="list-style-type: none"> <li>• Do not apply within seven (7) days of harvest.</li> <li>• Do not make more than one (1) <i>Zeal</i> application per season.</li> <li>• Do not apply more than 3.0 oz of <i>Zeal</i> per acre per season.</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* should be used in alternation with other miticides possessing dissimilar modes of action and/or with other chemical classes of miticides. Follow local, state and federal Integrated Pest Management (IPM) and Resistance Management (RM) recommendations. Read and follow all product labels before applying any miticide.

POME FRUIT

CROPS	PESTS	PRODUCT RATES OZ/ACRE	SPECIAL INSTRUCTIONS
Pome Fruit such as Apple Pear Crabapple Loquat Quince	European Red Mite McDaniel Spider Mite Pacific Spider Mite Twospotted Spider Mite	2.0 to 3.0	<p>Apply by ground with airblast equipment in a minimum of 100 gals/A. 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</i> is predominately an ovicide/larvicide and should be used early in the life cycle of mites. <i>Zeal</i> should be applied at threshold for your area.</p> <p><i>Zeal</i> will not control Rust Mites or Blister Mites. If these pests are a problem, use an alternative miticide registered for that use.</p> <p>The use of rates below 2.0 oz/A (0.09 lb ai/A) is not recommended since it may result in poor control and contribute to resistance.</p>
<ul style="list-style-type: none"> <li>• Do not apply within fourteen (14) days of harvest.</li> <li>• Do not make more than one (1) <i>Zeal</i> application per season.</li> <li>• Do not apply more than 3.0 oz of <i>Zeal</i> per acre per season.</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* should be used in alternation with other miticides possessing dissimilar modes of action and/or with other chemical classes of miticides. Follow local, state, and federal Integrated Pest Management (IPM) and Resistance Management (RM) recommendations. Read and follow all product labels before applying any miticide.

**STRAWBERRY**

CROP	PESTS	PRODUCT RATES OZ/ACRE	SPECIAL INSTRUCTIONS
Strawberry	Pacific Spider Mite Twospotted Spider Mite	2.0 to 3.0	Apply with ground equipment in a minimum of 100 gals/A. 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>Zeal</i> is predominately an ovicide/larvicide and should be used early in the life cycle of mites. <i>Zeal</i> should be applied at threshold for your area. <i>Zeal</i> will not control Cyclamine Mite. Another miticide registered for this pest should be used if these mites are a problem. The use of rates below 2.0 oz/A (0.09 lb ai/A) is not recommended since it may result in poor control and contribute to resistance.
	Lygus Pacific Spider Mite Spittle Bug Tarnished Plant Bug Twospotted Spider Mite	2.0 to 3.0 + 10-2/3 Danitol® 2.4 EC (0.2 lb ai/A)	Apply with ground equipment in adequate water for uniform coverage (100 to 300 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.
<ul style="list-style-type: none"> <li>• Do not apply within one (1) day of harvest.</li> <li>• Do not make more than one (1) <i>Zeal</i> application per season.</li> <li>• Do not apply more than 3.0 oz of <i>Zeal</i> per acre per season.</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* should be used in alternation with other miticides possessing dissimilar modes of action and/or with other chemical classes of miticides. Follow local, state, and federal Integrated Pest Management (IPM) and Resistance Management (RM) recommendations. Read and follow all product labels before applying any miticide.

**NON-BEARING FRUIT TREES**

CROPS	PESTS	PRODUCT RATES OZ/ACRE	SPECIAL INSTRUCTIONS
Non-Bearing Fruit Trees	European Red Mite McDaniel Spider Mite Pacific Spider Mite Twospotted Spider Mite	2.0 to 3.0	Apply by ground with airblast equipment as a full coverage spray. Best results are achieved when mite populations are low. <i>Zeal</i> is predominately an ovicide/larvicide. <i>Zeal</i> should be applied at or prior to threshold for your area. The use of rates below 2.0 oz/A (0.09 lb ai/A) is not recommended since it may result in poor control and contribute to resistance.
			<ul style="list-style-type: none"> <li>• Do not harvest fruit from treated trees within one (1) year of application.</li> <li>• Do not make more than one (1) <i>Zeal</i> application per season.</li> <li>• Do not apply more than 3.0 oz <i>Zeal</i> per acre per season.</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* should be used in alternation with other miticides possessing dissimilar modes of action and/or with other chemical classes of miticides. Follow local, state, and federal Integrated Pest Management (IPM) and Resistance Management (RM) recommendations. Read and follow all product labels before applying any miticide.

**TREE NUTS**

<b>CROP</b>	<b>PESTS</b>	<b>PRODUCT RATES OZ/ACRE</b>	<b>SPECIAL INSTRUCTIONS</b>
Tree Nuts such as Almond Beech Nut Brazil Nut Butternut Cashew Chestnut Chinquapin Filbert (Hazelnut) Hickory Nut Macadamia Nut Pecan Pistachio Walnut Black English	European Red Mite Pacific Spider Mite Twospotted Spider Mite	2.0 to 3.0	Apply by ground with airblast equipment as a full coverage spray. Best results are achieved when mite populations are low. <i>Zeal</i> is predominately an ovicide/larvicide. <i>Zeal</i> should be applied at or prior to threshold for your area. The use of rates below 2.0 oz/A (0.09 lb ai/A) is not recommended since it may result in poor control and contribute to resistance.
			<ul style="list-style-type: none"> <li>• Do not apply within twenty-eight (28) days of harvest.</li> <li>• Do not make more than one (1) <i>Zeal</i> application per season.</li> <li>• Do not apply more than 3.0 oz <i>Zeal</i> per acre per season.</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* should be used in alternation with other miticides possessing dissimilar modes of action and/or with other chemical classes of miticides. Follow local, state, and federal Integrated Pest Management (IPM) and Resistance Management (RM) recommendations. Read and follow all product labels before applying any miticide.

**STORAGE AND DISPOSAL**

**PESTICIDE STORAGE**

Keep pesticide in original container.  
Do not put concentrate or dilute into food or drink containers.  
Store in cool, dry place.  
Do not store diluted spray.  
Do not contaminate water, food or feed by storage, disposal or cleaning of equipment.  
For help with any spill, leak, fire or exposure involving this material, call day or night 1-800-892-0099.

**PESTICIDE DISPOSAL**

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Open dumping is prohibited.

**CONTAINER DISPOSAL**

Triple rinse (or equivalent). Do not reuse container. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by

State and local authorities, by burning. If burned, stay out of smoke.

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*Zeal* is a registered trademark of Valent U.S.A. Corporation

*Danitol* is a registered trademark of Sumitomo Chemical Company, Ltd.

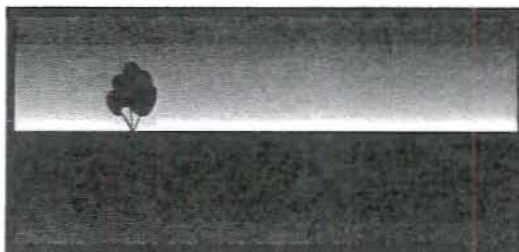
*Danitol* is a restricted use product.

Manufactured for  
**Valent U.S.A. Corporation**

P.O. Box 8025  
Walnut Creek CA 94596-8025  
www.valent.com  
Made in U.S.A.  
Form 1570-D  
059639-00138.20080108.ZWP  
EPA Reg. No. 59639-138 EPA Est. 67245-02-01

# TetraSan<sup>®</sup>

## 5 W D G



MITICIDE/OVICIDE



Affects all life stages



Active Ingredient	By Wt.
*Etoxazole	5%
Other Ingredients	95%
Total	100%

\*2-(2,6-difluorophenyl)-4-(4-(1,1-dimethylethyl)-2-ethoxyphenyl)-4,5-dihydrooxazole

TetraSan<sup>®</sup> 5 WDG is a water dispersible granule containing 5% active ingredient per pound.

EPA Reg. No. 59639-108

EPA Est. No. 67545-AZ-01

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**  
SEE NEXT PAGE FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Form 1453-D



(01) 0 06 53204 07315 0

**NET WEIGHT 1 POUND**  
**(8-2 OUNCE PACKETS)**

4-3/8"

5"

**PRECAUTIONARY STATEMENTS****HAZARDS TO HUMANS & DOMESTIC ANIMALS****CAUTION**

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing dust or spray mist.

**FIRST AID**

- If swallowed:** Call a poison control center or doctor immediately for treatment advice.  
Have person sip a glass of water if able to swallow.  
Do not induce vomiting unless told to do so by the poison control center or doctor.  
Do not give anything by mouth to an unconscious person.
- If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes.  
Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.  
Call a poison control center or doctor for further treatment advice.
- If on skin or clothing:** Take off contaminated clothing.  
Rinse skin immediately with plenty of water for 15-20 minutes.  
Call a poison control center or doctor for treatment advice.
- If inhaled:** Move person to fresh air.  
If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.  
Call a poison control center or doctor for further treatment advice.

**HOTLINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact **1-800-892-0099** for emergency medical treatment information.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):**

**Applicators and other handlers must wear:** long-sleeved shirt and long pants, socks plus shoes.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**USER SAFETY RECOMMENDATIONS**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to freshwater and marine/estuarine aquatic invertebrates, including oysters and shrimp. 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 apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

**DIRECTIONS FOR USE**

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

**READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift.

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Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment and restricted-entry interval. Do not enter or allow workers entry into treated areas during the restricted-entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: long-sleeved shirt and long pants, socks plus shoes.

**NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standards for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep all unprotected persons out of operating areas, or vicinity where there may be drift. Do not enter treated areas without protective clothing until sprays have dried.

**DISCLAIMER, RISKS OF USING THIS PRODUCT,  
LIMITED WARRANTY AND LIMITATION OF LIABILITY**

**IMPORTANT: Read the entire Label including this Disclaimer, Risks of Using this Product, Limited Warranty, and Limitation of Liability before using this product. If the terms are not acceptable THEN DO NOT USE THE PRODUCT; rather, return the unopened product within 15 days of purchase for a refund of the purchase price.**

**RISKS OF USING THIS PRODUCT**

The Buyer and User (referred to collectively herein as "Buyer") of this product should be aware that there are inherent unintended risks associated with the use of this product which are impossible to eliminate. These risks include, but are not limited to, injury to plants and ornamental crops to which this product is applied, lack of control of the target pests or weeds, resistance of the target pests or weeds to this product, injury caused by drift, and injury to rotational ornamental crops caused by carryover in the soil. Such risks of ornamental crop injury, non-performance, resistance or other unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, disease, moisture conditions, irrigation practices, condition of the ornamental crop at the time of application, presence of other materials either applied in the tank mix with this product or prior to application of this product, cultural practices or the manner of use or application, (or a combination of such factors) all of which are factors beyond the control of Valent. The Buyer should be aware that these inherent unintended risks may reduce the harvested yield of the ornamental crop in all or a portion of the treated acreage, or otherwise affect the ornamental crop such that additional care, treatment and expense are required to take the ornamental crop to harvest. If the Buyer chooses not to accept these risks, THEN THIS PRODUCT SHOULD NOT BE APPLIED. By applying this product Buyer acknowledges and accepts these inherent unintended risks AND, TO THE FULLEST EXTENT ALLOWED BY LAW, AGREES THAT ALL SUCH RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER.

(continued)

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(continued)  
Valent shall not be responsible for losses or damages (including, but not limited to, loss of yield, increased expenses of farming the ornamental crop or such incidental, consequential or special damages that may be claimed) resulting from use of this product in any manner not set forth on the label. Buyer assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

**LIMITED WARRANTY**  
Valent warrants only that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label, under average use conditions, when used strictly in accordance with the label and subject to the Risks of Using This Product as described above. **EXCEPT AS SET FORTH ABOVE, VALENT MAKES NO OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED. No agent or representative of Valent or Seller is authorized to make or create any other express or implied warranty.**

**LIMITATION OF LIABILITY**  
To the fullest extent allowed by law, Valent or Seller is not liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. The limitation includes, but is not limited to, loss of yield on all or any portion of the treated acreage, increased care, treatment or other expenses required to take the ornamental crop to harvest, increased finance charges or altered finance ratings, emotional or mental distress and/or exemplary damages. **TO THE FULLEST EXTENT ALLOWED BY LAW, THE EXCLUSIVE REMEDY OF THE BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF VALENT OR SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT OR, AT THE ELECTION OF VALENT OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

**PROMPT NOTICE OF CLAIM**  
Valent must be provided notice as soon as Buyer has reason to believe it may have a claim, but in no event later than twenty-one days from date of planting, or twenty-one days from the date of application, whichever is later, so that an immediate inspection of the affected property and growing ornamental crops can be made.

If Buyer does not notify Valent of any claims, in such period, it shall be barred from obtaining any remedy.

**NO AMENDMENTS**  
Valent and Seller offer this product, and Buyer accepts it, subject to the foregoing Disclaimer, Risks of Using This Product, Limited Warranty and Limitation of Liability, which may not be modified by any oral or written agreement.

#### TANK MIXES

**NOTICE: Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor.**  
Read and follow the entire label of each product to be used in the tank mix with this product.

#### GENERAL INFORMATION

- For commercial use only.
  - Do not apply this product through any type of irrigation or chemigation system.
- TetraSan 5 WDG is a miticide that controls major tetranychid mite species in egg and nymph stages of growth. Foliar applications of TetraSan 5 WDG can be made for control of spider mites infesting indoor (greenhouses, lathhouses, shadehouses and inter-trans-pipes) and outdoor ornamentals, including flowering and foliage

crops, ground covers, shrubs and ornamental trees, non-bearing fruit and nut trees, and Christmas trees. TetraSan 5 WDG may be used in ornamental production areas and in the landscape in residential and commercial areas. TetraSan 5 WDG exhibits strong translaminar movement within plant leaves. Spray contacting the upper surface of leaves will absorb into the leaves and locally translocate within the leaf. Thus mites feeding on the undersides of leaves will be controlled.

**IMPORTANT:** Applications of TetraSan 5 WDG may be made to a wide range of ornamental plants. To ensure that TetraSan 5 WDG is compatible with the variety or cultivar under your specific conditions, test the product on a limited scale and observe for phytotoxicity for two weeks before making large scale applications. The large number of existing ornamental varieties and cultivars coupled with the constant introduction of new varieties makes it impossible to field test TetraSan 5 WDG in every locale where a sale or in all of the combinations created by nursery differences. Factors that can influence phytotoxicity to any applied pesticide include soil or media type, pH, moisture or fertility, environmental conditions such as temperature, lighting or degree days and horticultural practices including planting dates, control of other pests, and timing of various horticultural practices. TetraSan 5 WDG has not been tested in tank mix combinations, sequential pesticide treatments or with various adjuvants and surfactants. Do not apply to Ponsettia after bract formation.

#### MANAGING MITE RESISTANCE

Repeated use of the same class of miticides or miticides with similar modes of action can lead to the build up of resistant mite strains. For optimum resistance management, apply TetraSan 5 WDG no more than two times per cropping cycle (start to finish for one ornamental crop) or no more than two times per six months. TetraSan 5 WDG should be used in alternation with other miticide materials possessing dissimilar modes of action and/or with other chemical classes of miticides. Due to its unique chemistry and mode of action, TetraSan 5 WDG can be used in rotation with all other registered miticides in IPM and resistance management programs. Follow local, state and federal Integrated Pest Management (IPM) and Resistance Management (RM) recommendations. Read and follow all product labels before applying any miticide.

#### MULTIPLE PACKAGING

This bag contains multiple water soluble packets of TetraSan 5 WDG. Do not handle the packets with wet gloves or allow the packets to become wet prior to addition to spray tank. Do not break open packets. Each packet contains 2 oz. (1/8 lb.) of TetraSan 5 WDG. If all packets are not used, close and reseal outer container to protect remaining packets(s).

#### SPRAY EQUIPMENT

Thoroughly clean spray equipment prior to mixing and applying TetraSan 5 WDG. Thoroughly rinse the spray tank, spray boom and all nozzles before adding TetraSan 5 WDG to the tank. Apply TetraSan 5 WDG using equipment such as compressed air sprayers, hydraulic sprayers, or ground boom sprayers.

#### PREPARATION OF SPRAY SOLUTION

To prepare spray solution, drop the unopened packet(s) of TetraSan 5 WDG into a spray tank containing at least one-half the total quantity of water required. Direct water at the floating packet(s) and continue to add water with the agitator running until the spray volume is reached. Do not add any liquid fertilizers, micro-nutrients or adjuvants to the spray solution until after the water soluble packets and their contents have completely dissolved. Water soluble packet(s) should completely dissolve in approximately five minutes. Dissolution rate may be slowed by cold water, lack of agitation or water containing high concentrations of boron or sulfur. High concentration of boron or sulfur may result in spray screen or nozzle clogging due to the incomplete dissolution of the water soluble packet material. Continuous agitation is required to keep the product in suspension.

#### COMPATIBILITY

Before mixing TetraSan 5 WDG with other insecticide products, test mix small portions of products in a small quantity to ensure compatibility.

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**DIRECTIONS FOR USE ON ORNAMENTAL PLANTS**

CROP	PESTS	PRODUCT RATE	SPECIAL INSTRUCTIONS
Ornamental Plants Including: Bedding Plants Flowering Plants Foliage Plants Ground Covers Non-Bearing Fruit Trees Non-Bearing Nut Trees Ornamentals Shrubs	Spider Mites including: Citrus Red Mite European Red Mite Leysh Spider Mite Pacific Spider Mite Southern Red Mite Spruce Spider Mite Two-spotted Spider Mite	8 to 16 oz./100 gals. 4 to 8 packets/100 gals. 16 to 32 oz./A (Each water soluble packet contains 2 oz. of TetraSan 5 WDG.)	Mix with sufficient water and apply as a foliar spray to obtain uniform coverage. TetraSan 5 WDG kills mite eggs (ovicidal) and nymphs, but not adult mites. For best control, apply at first sign of infestation and before large numbers of adult mites are present. Make a second application if necessary, but no sooner than 14 days after the first application. Do not apply TetraSan 5 WDG more than two times per crop- ping season or within a six month period. TetraSan 5 WDG is translocational, meaning that treated adult mites will not produce viable eggs. Use higher rates for moderate to heavy infes- tations, especially with dense plant canopies. If rapid control (<7 days) of adult mites is required, apply TetraSan 5 WDG in combination with a contact acaricide.

**NOTE:** Since ornamental varieties are numerous, constantly changing, and may react differently to TetraSan 5 WDG and tank mixtures, test the product(s) on a small scale before making large-scale applications.

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**DIRECTIONS FOR USE ON CHRISTMAS TREES**

CROP	PESTS	PRODUCT RATE	SPECIAL INSTRUCTIONS
Christmas Trees	McDaniel Spider Mite Pacific Spider Mite Spruce Spider Mite Two-spotted Spider Mite	28 to 40 oz./A 14 to 20 packets/A (Each water soluble packet contains 2 oz. of TetraSan 5 WDG.)	Apply by ground as full coverage spray or by air in a minimum of 10 gals./ A. Coverage is critical for effective control. Best results are achieved when mite populations are low. TetraSan 5 WDG is predominately an ovi- cide/larvicide. TetraSan 5 WDG should be applied at or prior to threshold for your area. Use of rates below 28 oz./A (0.09 lb. a/A) is not recommended since it may result in poor control and contributes to resistance.

- Do not make more than one (1) TetraSan 5 WDG application per growing season.
- Do not apply more than 40 oz. TetraSan 5 WDG per acre per season.

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### STORAGE AND DISPOSAL

#### PROHIBITIONS

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment.

#### PESTICIDE STORAGE

Keep pesticide in original container.

Store in a cool, dry, secure place.

Do not put formulation or dilute spray solution into food or drink containers.

Do not contaminate food or foodstuffs.

Do not store or transport near feed or food.

Not for use or storage in or around the home.

For help with any spill, leak, fire or exposure involving this material, call day or night (800) 892-0099.

#### PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at any approved waste disposal facility.

#### CONTAINER DISPOSAL

Do not reuse outer bag. Dispose of the outer bag in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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Manufactured for  
**Valent U.S.A. Corporation**  
P.O. Box 8025  
Walnut Creek CA 94596-8025  
www.valentpro.com  
Form 1453-D  
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EPA Reg. No. 59639-108  
EPA Est. No. 67545-AZ-01

8

4-3/8"

5"