

PMRA Approved Label, May 26, 2023
Submission 2023-0481, G.G.
{Outer Bag Label}

GROUP

10B

INSECTICIDE

TetraSan™ 5 WDG Miticide

MITICIDE
WATER DISPERSIBLE GRANULE
COMMERCIAL

Miticide/Ovicide for Greenhouse Ornamentals and Greenhouse Tomatoes

ACTIVE INGREDIENT:

Etoxazole..... 5%

READ THE LABEL BEFORE USE

KEEP OUT OF REACH OF CHILDREN

REGISTRATION NO.: 32005
PEST CONTROL PRODUCTS ACT

DO NOT SELL WATER SOLUBLE PACKETS SEPARATELY
Do NOT use a knife or other sharp object to open this outer bag.
This outer bag is not water soluble. Do NOT put in spray tank.

Store in a cool, dry, secure place. Do not remove water soluble packet from outer bag except for immediate use. Do not allow to become wet in storage. Keep outer bag sealed when not in use.

Net Contents: 453.6 g
(contains 8 x 56.7 g Water Soluble Packets)

Valent Canada, Inc.
201-230 Hanlon Creek Blvd.
Guelph, ON, Canada N1C 0A1
(519) 767-9262
www.valent.ca

{Water Soluble Packet Label}

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TetraSan 5 WDG Miticide is a trademark of Valent U.S.A. LLC

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NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the ***PEST CONTROL PRODUCTS ACT*** to use this product in a way that is inconsistent with the directions on the label.

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 centre 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 centre or doctor for treatment advice.
- IF INHALED:** Move the person to fresh air. If the person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.
- IF SWALLOWED:** Call a poison control centre or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL OR POISONING CALL
1-800-682-5368***

TOXICOLOGICAL INFORMATION

There is no specific antidote for this product. Apply symptomatic therapy.

ENVIRONMENTAL PRECAUTIONS

For indoor greenhouse use only.

Toxic to aquatic organisms.

Toxic to immature beneficial arthropods. Not acutely toxic to adult bees but may affect reproduction and development.

If maintaining brood of bees or beneficial insects, avoid application when they are foraging in the treatment area.

PRECAUTIONS

KEEP OUT OF THE REACH OF CHILDREN.

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. 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. Store and wash all protective clothing separately from household laundry.

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.

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

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

Do not apply this product using fogging equipment (handheld or automated), or using handheld mist blowers/airblast equipment.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., please contact the registrant.

DISPOSAL/DECONTAMINATION

DO NOT REUSE OR REFILL THE OUTER BAG FOR ANY PURPOSE. Completely empty bag into application equipment. For disposal, the empty bag may be returned to container collection site in your area or the point of purchase (distributor/dealer).

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

STORAGE:

Do not contaminate water, food or feed by storage. Keep pesticide in original container. Store in a cool, dry, secure place. Do not put concentrate or dilute spray solution into food or drink containers. Do not store or transport near feed or food. Not for use or storage in or around the home. Store this product away from food or feed.

RESISTANCE MANAGEMENT:

For resistance management, please note that *TetraSan 5 WDG Miticide* contains a Group 10B insecticide. Any mite population may contain individuals naturally resistant to *TetraSan 5 WDG Miticide* and other Group 10B insecticides. The resistant individuals may dominate the mite population if this group of miticides is used repeatedly. Other resistance mechanisms that are not linked to site of action but are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed. To delay miticide resistance:

- Where possible, rotate the use of *TetraSan 5 WDG Miticide* or other Group 10B insecticides with different groups that control the same pests.
- Use tank mixtures with miticides from a different group when such use is permitted.
- Miticide use should be based on an IPM program that includes scouting and record keeping, and considers cultural, biological and other chemical control practices.
- Monitor treated pest populations for resistance development.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information and to report suspected resistance, contact Valent Canada, Inc. at 1-800-682-5368 or at www.valent.ca.

MIXING INSTRUCTIONS:

This bag contains water soluble packets of *TetraSan 5 WDG Miticide*. 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. If all packets are not used, close and reseal outer container to protect remaining packet(s).

SPRAY EQUIPMENT

Thoroughly clean spray equipment prior to mixing and applying *TetraSan 5 WDG Miticide*. Thoroughly rinse the spray tank, spray boom and all nozzles before adding *TetraSan 5 WDG Miticide* to the tank. Apply *TetraSan 5 WDG Miticide* 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 Miticide* 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, 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 incomplete dissolution of the water soluble packet material. Continuous agitation is required to keep the product in suspension.

SPECIFIC DIRECTIONS FOR USE – ALL CROPS

TetraSan 5 WDG Miticide is a miticide that controls listed tetranychid mite species in egg and nymph stages of growth. Foliar applications of *TetraSan 5 WDG Miticide* can be made for control of spider mites infesting indoor greenhouse ornamentals and greenhouse tomatoes. *TetraSan 5 WDG Miticide* 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.

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

DO NOT allow effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds, estuaries, oceans, or other waters.

IMPORTANT: Applications of *TetraSan 5 WDG Miticide* may be made to a wide range of ornamental plants. To ensure that *TetraSan 5 WDG Miticide* is compatible with the variety or cultivar grown 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 Miticide* in every locale where sold or in all of the combinations created by differences in growing practices. 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 Miticide* has not been tested in tank mix combinations or sequential pesticide treatments. **Do not apply to Poinsettia after bract formation.**

Tank mixing

This product may be tank mixed with a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Valent Canada, Inc. at 519-767-9262 for information before applying any tank mix that is not specifically recommended on this label.

COMPATIBILITY

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

DIRECTIONS FOR USE ON GREENHOUSE ORNAMENTALS

CROP	PESTS	PRODUCT RATE	SPECIAL INSTRUCTIONS
Greenhouse Ornamental Plants Including: Bedding Plants Flowering Plants (except those grown for cut flowers only) Foliage Plants Ground Covers Non-Bearing Fruit Trees Non-Bearing Nut Trees Ornamentals Ornamental Trees Shrubs	Spider Mites Including: Lewis Mite Two-spotted Spider Mite Carmine spider mite European red mite	226.8 - 453.6 g in 378.5 L (equivalent to 100 US gal) 4 - 8 packets in 378.5 L (equivalent to 100 US gal) Apply sufficient spray volume to ensure thorough coverage, to a maximum of 1870 L/ha (equivalent to 200 US GPA) (Each water soluble packet contains 56.7 g or 2 oz. of <i>TetraSan 5</i> <i>WDG Miticide</i> .)	Mix sufficient volume and apply as a foliar spray to obtain uniform coverage. <i>TetraSan 5 WDG Miticide</i> kills mite eggs (ovicidal) and nymphs, but not adult mites. 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. <i>TetraSan 5 WDG Miticide</i> is transovarial. Therefore, treated adult female mites will produce significantly fewer viable eggs. Use higher rates for moderate to heavy infestations, especially with dense plant canopies. If rapid control (< 7 days) of adult mites is required, apply <i>TetraSan 5 WDG</i> <i>Miticide</i> in combination with a registered contact adulthoodicide.

Cut flowers	Spider Mites Including: Lewis Mite Two-spotted Spider Mite Carmine spider mite European red mite	226.8 g in 378.5 L (equivalent to 100 US gal) 4 packets in 378.5 L (equivalent to 100 US gal) Apply sufficient spray volume to ensure thorough coverage, to a maximum of 1870 L/ha (equivalent to 200 US GPA) (Each water soluble packet contains 56.7 g or 2 oz. of <i>TetraSan 5 WDG Miticide</i> .)	Mix sufficient volume and apply as a foliar spray to obtain uniform coverage. <i>TetraSan 5 WDG Miticide</i> kills mite eggs (ovicidal) and nymphs, but not adult mites. Apply at first sign of infestation and before large numbers of adult mites are present. <i>TetraSan 5 WDG Miticide</i> is transovarial. Therefore, treated adult female mites will produce significantly fewer viable eggs. If rapid control (< 7 days) of adult mites is required, apply <i>TetraSan 5 WDG Miticide</i> in combination with a registered contact adulticide.
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NOTE: Since ornamental varieties are numerous, constantly changing, and may react differently to *TetraSan 5 WDG Miticide* and tank mixtures, test the product(s) on a small scale before making large-scale applications.

Restrictions

- Greenhouse ornamentals (except plants grown for cut flowers): Do not apply more than twice per cropping cycle or within a 12-month period.
- Greenhouse ornamentals grown for cut flowers: Do not apply more than once per cropping cycle or within a 12-month period.
- DO not exceed 224 g a.i./ha per crop cycle on greenhouse ornamentals except cut flowers, and do not exceed 56 g a.i./ha per crop cycle on cut flowers.
- Do not use with an adjuvant or surfactant.

DIRECTIONS FOR USE ON GREENHOUSE TOMATOES

CROP	PESTS	PRODUCT RATE	SPECIAL INSTRUCTIONS
Greenhouse Tomatoes	Spider Mites Including: Two-spotted spider mite Carmine spider mite	<p>226.8 – 453.6 g in 378.5 L (equivalent to 100 US gal)</p> <p>4 - 8 packets in 378.5 L (equivalent to 100 US gal)</p> <p>Apply sufficient spray volume to ensure thorough coverage, to a maximum of 1870 L/ha (equivalent to 200 GPA)</p> <p>(Each water soluble packet contains 56.7 g or 2 oz of <i>TetraSan 5 WDG Miticide</i>)</p>	<p>Mix sufficient volume and apply as a foliar spray to obtain uniform coverage.</p> <p><i>TetraSan 5 WDG Miticide</i> kills mite eggs (ovicidal) and nymphs, but not adult mites. Apply at first sign of infestation and before large numbers of adult mites are present. A second application may be made only under the conditions described in the Restrictions section below. Make a second application if necessary, but no sooner than 21 days after the first application.</p> <p><i>TetraSan 5 WDG Miticide</i> is transovarial. Therefore, treated adult female mites will produce significantly fewer viable eggs.</p> <p>Use higher rates for moderate to heavy infestations, especially with dense plant canopies.</p> <p>If rapid control (< 7 days) of adult mites is required, apply <i>TetraSan 5 WDG Miticide</i> in combination with a registered contact adulticide.</p>

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

Restrictions

- Do not apply within one (1) day of harvest.
- Do not apply *TetraSan 5 WDG Miticide* more than two times per crop cycle or within a six month period.
- Two applications may be made only if each application falls below a rate of 95 g a.i./ha. Due to this restriction, two applications may be made under the following conditions only:
 - If a concentration of 4-6 packets (226.8-340.2 g) of product in 378.5 L of water is used, two applications may be made at any spray volume up to the maximum of 1870 L/ha.
 - If a concentration of 7-8 packets (396.9- 453.6 g) product in 378.5 L of water is used, two applications may be made at any spray volume up to 1580 L/ha. If any higher spray volume up to the maximum of 1870 L/ha is used, only one application may be made.
- Do not use with an adjuvant or surfactant.

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