



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 26, 2019

Kristen Cianni
Regulatory Specialist
Atticus, LLC
5000 CentreGreen Way, Suite 100
Cary, NC 27513

Subject: Label Notification per PRN 2007-4 – Update container handling section
Product Name: A221.04
EPA Registration Number: 91234-68
Application Date: 8/6/2019
Decision Number: 554162

Dear Ms. Cianni

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 2007-4 and finds that the action requested falls within the scope of PRN-2007-4.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on non-refillable containers. The code may appear either on the label (and can be added by non-notification via PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact Scott Campbell at Campbell.Scott@epa.gov or at (703) 347-0479

Sincerely,

A handwritten signature in black ink, appearing to read "Venus Eagle".

for Venus Eagle, Product Manager 01
Invertebrate and Vertebrate Branch 3
Registration Division (7505P)
Office of Pesticide Programs

NOTIFICATION

91234-68

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

08/26/2019

**Note to reviewer: [Text] in brackets denotes optional or explanatory language
[Note to reviewer: {Text} in braces denotes where in the final label text will appear
{BOOKLET FRONT PANEL LANGUAGE}**

ETOXAZOLE	GROUP	10B	INSECTICIDE
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A221.04 [™]

**Miticide/Ovicide for Ornamental Plants, Christmas Trees, and Indoor Grown Tomatoes
[For control of Spider Mites on Ornamental Plants, Christmas Trees, and Indoor Grown Tomatoes]
[Affects all life stages]
[Alternate Brand Name: Eschaton 5 WDG]**

Active Ingredient:	(% by weight)
*Etoxazole.....	5.0%
Other Ingredients:	95.0%
Total	100.0%
* 2-(2,6-difluorophenyl)-4-[4-(1,1-dimethylethyl)-2-ethoxyphenyl]-4,5-dihydrooxazole	

Contains etoxazole, the active ingredient used in TetraSan® 5 WDG.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

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.)

See inside label booklet for First Aid, Precautionary Statements and Directions for Use.

EPA Reg. No.: 91234-68

EPA Est. No.:

Net Weight:

Manufactured For:
Atticus, LLC
5000 CentreGreen Way, Suite 100
Cary, NC 27513

A221.04 is not manufactured, or distributed by Valent U.S.A. Corporation, seller of TetraSan® 5 WDG.

{LANGUAGE INSIDE BOOKLET}

FIRST AID	
If swallowed	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.• Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eyes.• Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for further treatment advice.
If inhaled	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably 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 1-800-424-9300 for emergency medical treatment information.	

For Chemical Emergency
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

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

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants,
- Shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, 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 personal protective equipment (PPE) immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

ENGINEERING CONTROLS

Water soluble packets, when used correctly, qualify as a closed mixing/loading system under the Worker Protection Standard [40 CFR 170.607(d)]. Mixers and loaders handling this product while it is enclosed in intact water soluble packets may elect to wear reduced PPE of long-sleeved shirt, long pants, shoes, socks, a chemical-resistant apron, and chemical-resistant gloves. When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for “applicators and other handlers” and have such PPE immediately available for use in an emergency, such as a spill or equipment break-down.

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 State or Tribal 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,
- Shoes plus socks.

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, forest, 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.

PRODUCT INFORMATION

Intended for commercial use.

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

A221.04 is a miticide that controls major tetranychid mite species in egg and nymph stages of growth. Foliar applications of **A221.04** can be made for control of spider mites infesting indoor (greenhouses, lathhouses, shadehouses and interiorscapes) and outdoor ornamentals, including flowering and foliage crops, ground covers, shrubs and ornamental trees, non-bearing fruit and nut trees, Christmas trees and indoor tomato production (greenhouses, lathhouses and shadehouses). **A221.04** may be used in ornamental production areas and in the landscape in residential and commercial areas. **A221.04** 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 **A221.04** may be made to a wide range of ornamental plants. To ensure that **A221.04** 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 **A221.04** 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. **A221.04** has not been tested in tank mix combinations, sequential pesticide treatments or with various adjuvants and surfactants. Do not apply to Poinsettia after bract formation.

Mode of Action:

The active ingredient in this product, etoxazole, is a member of the class of insecticides known as pyrroles (Group 10B). This product is introduced to the insect by contact and feeding activity.

For resistance-management, **A221.04** contains a Group 10B insecticide. Any insect population may contain individuals naturally resistant to **A221.04** and other Group 10B insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance management strategies should be followed. To reduce the potential for developing insect resistance, rotate to an insecticide with a different mode of action. Monitor treated pest populations for resistance development. Read product label before applying any insecticide and follow label directions.

To delay insecticide resistance, take the following steps:

- Rotate the use of **A221.04** or other Group 10B insecticides within a growing season, or among growing seasons, with different groups that control the same pests. Avoid application of more than the maximum seasonal use rate or the total number of consecutive sprays of **A221.04** per season.
- Use insecticides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
 - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
 - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
 - When using mixtures, consider any known cross-resistance issues between the individual

- components for the targeted pest(s).
- Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
- The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide/acaricides use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- 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 or to report suspected resistance contact Atticus, LLC representatives at atticusllc.com.

Multiple Packaging:

This bag contains multiple water soluble packets of **A221.04**. 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 **A221.04**. If all packets are not used, close and reseal outer container to protect remaining packet(s).

Mixing Instructions

Follow the steps below when mixing this product, including if tank mixed with other pesticide products. If being tank mixed, the mixing directions 1 through 9 below take precedence over the mixing directions of the other tank mix products. WSPs may, in some cases, be mixed with other pesticide products so long as the directions for use of all mixed products do not conflict. Do not tank mix this product with products that prohibit tank mixing or have conflicting mixing directions.

1. If a basket or strainer is present in the tank hatch, remove prior to adding the WSP to the tank.
2. Fill tank with water to approximately one-third to one-half of the desired final volume of spray.
3. Stop adding water and stop any agitation.
4. Place intact/unopened WSP(s) into the tank.
5. Do not spray water from a hose or fill pipe to break or dissolve the WSP(s).
6. Start mechanical and recirculation agitation from the bottom of tank without using any overhead recirculation, if possible. If overhead recirculation cannot be turned off, close the hatch before starting agitation.
7. Dissolving the WSP(s) may take up to 5 minutes or longer, depending on water temperature, water hardness and intensity of agitation.
8. Stop agitation before tank lid is opened.
9. Open the lid to the tank, exercising caution to avoid contact with dusts or spray mix, to verify that the WSPs have fully dissolved and the contents have been thoroughly mixed into the solution.
10. Do not add other allowed products or complete filling the tank until the bags have fully dissolved and pesticide is thoroughly mixed.
11. Once the WSP have fully dissolved and any other products have been added to the tank, resume filling the tank with water to the desired level, close the tank lid, and resume agitation.
12. Use the spray solution when mixing is complete.
13. Maintain agitation of the diluted pesticide mix during transport and application.
14. It is unlawful to use any registered pesticide, including WSPs, in a manner inconsistent with its label.

Compatibility:

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Before mixing **A221.04** with other insecticide products, test mix small portions of products in a small quantity to ensure compatibility.

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 Ornamental Trees Shrubs	Spider Mites Including: Citrus Red Mite European Red Mite Lewis 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 A221.04 .)	Mix with sufficient water and apply as a foliar spray to obtain uniform coverage. A221.04 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. A221.04 is transovarial, meaning that treated adult mites will not produce viable eggs. Use higher rates for moderate to heavy infestations, especially with dense plant canopies and choose lower rate for light infestations. If rapid control (< 7 days) of adult mites is required, apply A221.04 in combination with a contact adulticide.
NOTE: Since ornamental varieties are numerous, constantly changing, and may react differently to A221.04 and tank mixtures, test the product(s) on a small scale before making large-scale applications.			
Restrictions <ul style="list-style-type: none"> Do not apply A221.04 more than two times per growing season or within a six month period. 			

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 A221.04.)	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. A221.04 is predominately an ovicide/larvicide. Apply A221.04 at or prior to threshold for your area. Do not use rates below 28 oz/A (0.09 lb a.i./A) since it may result in poor control and contribute to the development of resistance to etoxazole among mite populations. Use higher rates for moderate to heavy infestations, especially with dense plant canopies and choose lower rate for light infestations.
<p>Restrictions</p> <ul style="list-style-type: none"> • Do not make more than one (1) A221.04 application per growing season. • Do not apply more than 40 oz A221.04 per acre per growing season. <p>*Not approved for aerial application in New York</p>			

Indoor Grown Tomatoes

CROP	PESTS	PRODUCT RATE	SPECIAL INSTRUCTIONS
Indoor Grown Tomatoes	Spider Mites Including: Citrus Red Mite European Red Mite Lewis Spider Mite Pacific Spider Mite Southern Red Mite Spruce Spider Mite Two-spotted Spider Mite	8 to 20 oz/ 100 gals 4 to 10 packets/100 gals 16 to 40 oz/A (Each water soluble packet contains 2 oz of A221.04)	Mix with sufficient water and apply as a foliar spray to obtain uniform coverage. When applied as a high volume spray, 100 gallons of spray solution will treat approximately 20,000 sq. ft. A221.04 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 21 days after the first application. A221.04 is transovarial, meaning that treated adult mites will not produce viable eggs. Use higher rates for moderate to heavy infestations, especially with dense plant canopies and choose lower rate for light infestations. If rapid control (< 7 days) of adult mites is required, apply A221.04 in combination with a contact adulticide.
<p>NOTE: Since tomato varieties are numerous, constantly changing and may react differently to A221.04 and tank mixtures, test the product(s) on a small scale before making large-scale applications.</p> <p>Restrictions</p> <ul style="list-style-type: none"> • Do not apply within one (1) day of harvest. • Do not make more than two (2) A221.04 applications per growing season. • Do not exceed 80 oz A221.04 (0.27 lbs. a.i.) per acre per growing season. • Do not apply A221.04 more than two times per growing season. • Do not apply more than 40 oz per acre per application. • Do not use with an adjuvant or surfactant. 			

STORAGE AND DISPOSAL

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 store or transport near feed or food. Not for use or storage in or around the home.

PESTICIDE DISPOSAL

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

CONTAINER HANDLING

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available.

LIMITATION OF WARRANTY AND LIABILITY

IMPORTANT: READ BEFORE USE. Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Disclaimer of Warranties and Limitations of Liability. **CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of ATTICUS, LLC. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ATTICUS, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label. **LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, neither ATTICUS, LLC the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

A221.04 is a trademark of Atticus, LLC

TetraSan® is a registered trademark of Valent U.S.A. Corporation.

{LANGUAGE ON LABEL AFFIXED TO CONTAINER}

A221.04™

Miticide/Ovicide for Ornamental Plants, Christmas Trees, and Indoor Grown Tomatoes

[For control of Spider Mites on Ornamental Plants, Christmas Trees, and Indoor Grown Tomatoes]

[Affects all life stages]

[Alternate Brand Name: Eschaton 5 WDG]

Active Ingredient:	(% by weight)
*Etoxazole.....	5.0%
Other Ingredients	95.0%
Total	100.0%
* 2-(2,6-difluorophenyl)-4-[4-(1,1-dimethylethyl)-2-ethoxyphenyl]-4,5-dihydrooxazole	

KEEP OUT OF REACH OF CHILDREN

CAUTION

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.)

FIRST AID	
If swallowed	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eyes. Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 SafetyCall at 1-844-685-9173 for emergency medical treatment information.	

For Chemical Emergency

Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night
 Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes, skin or 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.

STORAGE AND DISPOSAL

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 store or transport near feed or food. Not for use or storage in or around the home.

PESTICIDE DISPOSAL

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

CONTAINER HANDLING

Nonrefillable container Do not reuse or refill this container. Offer for recycling, if available.

See inside label booklet for additional Precautionary Statements and Directions for Use.

Manufactured for:

Atticus, LLC
 5000 CentreGreen Way, Suite 100
 Cary, NC 27513

EPA Reg. No. 91234-68

EPA Est. No. _____

NET WEIGHT: _____