



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

May 6, 2022

Sue-Chi Shen
Sr. Regulatory Project Manager
Registration and Regulatory Affairs
Valent U.S.A. LLC
4600 Norris Canyon Road
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San Ramon, CA 94583

Subject: Label Amendment – Updating company address, revising active ingredient name, adding restriction “[Not for Use in California]” to some crops, revising label per Etoxazole PID
Product Name: Zeal WP Miticide
EPA Registration Number: 59639-138
Application Date: November 5, 2020
Decision Number: 576012

Dear Ms. Shen:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

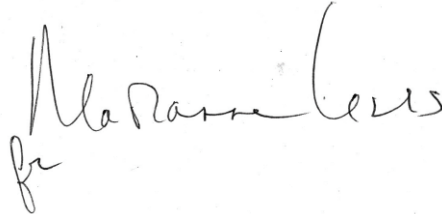
A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

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Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Joseph Belsky at belsky.joseph@epa.gov or at (202) 566-2495.

Sincerely,

A handwritten signature in black ink, appearing to read "Venus Eagle", with a small "for" written below it.

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

Enclosure



ETOXAZOLE | GROUP 10B | ACARICIDE

[Note: Bracketed bold italicized text is information for the reader and is not part of the label.]
[Bracketed Information is Optional Text]

ZEAL[®] WP Miticide

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

KEEP OUT OF REACH OF CHILDREN

CAUTION

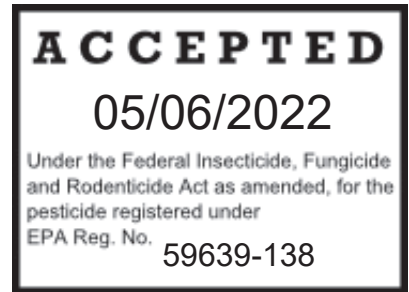
SEE NEXT PAGE [BELOW][PANEL][BOOKLET] FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. No. 59639-138
EPA Est. No.

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

[Lot No:]

[Note to Reviewer: When a non-refillable container is used, the Lot No. will be placed on the container.]



FIRST AID	
If in eyes:	<ul style="list-style-type: none"> • 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:	<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 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 a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
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.
<p>HOT LINE NUMBER</p> <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 800-892-0099 for emergency medical treatment information.</p>	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear: long-sleeved shirt and long pants, shoes plus socks, and chemical-resistant gloves made of: barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, natural rubber ≥14 mils, polyethylene, polyvinyl chloride ≥14 mils, or Viton ≥14 mils.

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.

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.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE 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 and shoes plus socks.

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

IMPORTANT: Read the entire Label including this section titled Risks of Using this Product, Limited Warranty and Disclaimer, 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. Such risks of 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 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. 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.

The Directions for Use of this product must be followed carefully. 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. To the extent consistent with applicable law, 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 AND DISCLAIMER

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, 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. 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 later, 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 **Risks of Using This Product, Limited Warranty and Disclaimer, 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.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, *Zea/ WP Miticide* contains a Group 10B acaricide. Any mite population may contain individuals naturally resistant to *Zea/ WP Miticide* and other Group 10B acaricides. The resistant individuals may dominate the mite population if this group of acaricides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay acaricide resistance, take the following steps:

- Rotate the use of *Zea/ WP Miticide* or other Group 10B acaricides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with acaricides 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 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 that 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 Valent U.S.A. LLC at 1-800-6-VALENT (682-5368).

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.

INSTRUCTIONS FOR USING WATER SOLUBLE PACKAGES DIRECTLY INTO SPRAY TANKS

Water Soluble Packages (WSPs) are designed to dissolve in water. Agitation may be used, if necessary, to help dissolve the WSP. Failure to follow handling and mixing instructions can increase your exposure to the pesticide products in WSPs. WSPs, when used properly, qualify as a closed mixing/loading system under the Agricultural Worker Protection Standard [40 CFR 170.607(d)].

Handling Instructions

Follow these steps when handling pesticide products in WSPs.

1. Mix in spray tank only.
2. Handle WSP(s) in a manner that protects package from breakage and/or unintended release of contents. If package is broken, put on PPE required for clean-up and then continue with mixing instructions.
3. Keep the WSP(s) in outer packaging until just before use.
4. Keep the WSP dry prior to adding to the spray tank.
5. Handle with dry gloves and according to the label instructions for PPE.
6. Keep WSP intact. Do not cut or puncture WSP.
7. Reseal the WSP outer packaging to protect any unused WSP(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. WSP 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 tank 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.

Number of Zea/ WP Miticide 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

CHEMIGATION (For Use on Corn Only)

Zea/ WP Miticide alone or in combination with other products which are registered for application through sprinkler irrigation may be applied through irrigation systems. Apply this product only through micro-irrigation (individual spaghetti tube), drip irrigation, overhead irrigation or motorized calibrated irrigation equipment. Do not apply through any other type of irrigation system. Lack of effectiveness can result from non-uniform distribution of treated water. If you have questions about calibration, contact your State Extension Service specialist, equipment manufacturer or other experts. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments.

Using Water from Public Water Systems

- Do not apply Zea/ WP Miticide through any irrigation system physically connected to a public water system.

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days per year. Zea/ WP Miticide may be applied through irrigation systems which may be supplied by a public water system only if the water from the public water system is discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and to top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. Before beginning chemigation, always make sure that the air gap exists and that there is no blockage of the overflow of the reservoir tank.

Any irrigation system using water supplied from a public water system must also meet the following requirements:

Operating Instructions for All Specified Types of Irrigation Systems

1. The system must be calibrated to uniformly apply the rates specified. If you have questions about calibration, contact your State Extension Service specialist, equipment manufacturer or water management experts.
2. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
3. The pesticide injection pipeline must contain a functional, automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.
4. The pesticide injection pipeline must also contain a functional, normally closed, solenoid operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
6. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

7. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
8. Do not apply when wind speed favors drift beyond the area intended.

Calibration and Application Instructions

Apply *Zea/ WP Miticide* under the schedule specified in the specific crop rates/instructions, not according to the irrigation schedule, unless the events coincide. In general, set the equipment to apply the minimum amount of water per acre. Run the system at 95-100 % of the manufacturer's maximum rated travel speed.

The following calibration and application techniques are provided for user reference, but do not constitute a warranty of fitness for application through sprinkler irrigation equipment. Check with State and local regulatory agencies for potential use restrictions before applying any agricultural chemical through sprinkler irrigation equipment.

Center Pivot Irrigation Equipment

1. Use only drive systems that provide uniform water distribution.
2. Do not use end guns when chemigating *Zea/ WP Miticide* through center pivot systems because of non-uniform application.
3. Plug the first nozzle closest to the well head to protect the water source.
4. Determine the size of the area to be treated.
5. Determine the time required to apply 0.10 to 0.15 inches of water over the area to be treated when the system and injection equipment are operated at normal pressures as recommended by the equipment manufacturer. Run the system at 95 to 100% of the manufacturer's rated maximum travel speed.
6. Using water, determine the injection pump output when operated at normal line pressure.
7. Determine the amount of *Zea/ WP Miticide*, and any tank mix partners, required to treat the area covered by the irrigation system.
8. Add the required amount of *Zea/ WP Miticide*, and any tank mix partners, and sufficient water to meet the injection time requirements to the solution tanks. (See "Mixing Instructions" section of this label.)
9. Make sure the system is fully charged with water before starting injection of the *Zea/ WP Miticide* solution. Time the injection to last at least as long as it takes to bring the system to full pressure.
10. Maintain constant agitation in the solution tank during the injection period.
11. Inject the specified amount of *Zea/ WP Miticide* per acre continuously for one complete revolution of the system.
12. Stop the injection equipment after treatment is complete. Continue to operate the system until the *Zea/ WP Miticide* solution has cleared all of the sprinkler heads.
13. Allow time for all lines to flush the pesticide through all nozzles before turning off irrigation water.

Solid Set, Hand Move and Moving Wheel Irrigation Equipment

1. Determine the acreage covered by the sprinklers.
2. Fill injector solution tank with plain water and calibrate the flow rate of the system to deliver the contents of the tank over a 30 to 50 minute time interval at the end of the irrigation cycle.
3. Determine the amount of *Zea/ WP Miticide* required to treat the area covered by the irrigation system.
4. Add the required amount of *Zea/ WP Miticide*, and any other tank mix partners, into the same quantity of water used to calibrate the injection period. (See "Mixing Instructions" section of this label.)
5. Operate the system at the same pressure and time interval established during the calibration.
6. Inject specified amount of *Zea/ WP Miticide* per acre for either a 30 to 50 minute period at the end of a regular irrigation set, or as a 30 to 50 minute injection as a separate application not associated with a regular irrigation to maximize retention of the insecticide by the foliage.
7. Stop injection equipment after treatment is completed. Continue to operate the system until the *Zea/ WP Miticide* solution has cleared the last sprinkler head. To ensure lines are flushed and free from remaining pesticides, a dye indicator may be injected into the lines to mark the end of the application period.

MANDATORY SPRAY DRIFT MANAGEMENT

SPRAY DRIFT

Aerial Applications

- Do not release spray at a height greater than 10 ft above the ground or vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to select a nozzle and pressure that deliver a medium or coarser droplet size (ASABE S572.1).
- If the windspeed is 10 miles per hour or less, applicators must use $\frac{1}{2}$ swath displacement upwind at the downwind edge of the field. When the windspeed is between 11-15 miles per hour, applicators must use $\frac{3}{4}$ swath displacement upwind at the downwind edge of the field.
- Do not apply when wind speeds exceed 15 mph at the application site. If the windspeed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- Do not apply during temperature inversions.

Airblast Applications

- Sprays must be directed into the canopy.
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- User must turn off outward pointing nozzles at low ends and when spraying outer row.
- Do not apply during temperature inversions.

Ground Boom Applications

- User must only apply with the release height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to select a nozzle and pressure that deliver a medium or coarser droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

Boom-less Ground Applications

Applicators are required to use a medium or coarser droplet size (ASABE S572.1) for all applications.

- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size – Aircraft

- Adjust Nozzles - Follow nozzle manufacturers' recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight

BOOM HEIGHT – Ground Boom

For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT - Aircraft

Higher release heights increase the potential for spray drift

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

Boom-less Ground Applications

- Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

Handheld Technology Applications

- Take precautions to minimize spray drift.

CANEBERRY[**] (Subgroup 13-07A)		
Blackberry; Loganberry; Raspberry, Black; Raspberry, Red; Raspberry, Wild; cultivars, varieties and/or hybrids of these.		
PESTS	PRODUCT RATE OZ/ACRE	SPECIAL INSTRUCTIONS
European Red Spider Mite McDaniel Spider Mite Two-spotted Spider Mite Yellow Spider Mite (And any other species belonging to the spider mite family (Tetranychidae))	2.0 to 3.0 (0.09 to 0.135 lb ai/A)	<p>Apply by ground as a full coverage spray in a minimum of 50 gallons/A of water. Applications of <i>Zea/ WP Miticide</i> must be done using enough carrier (water) to ensure thorough coverage of the crop's vegetative and reproductive parts, which mites are using for dispersal, feeding and reproduction. Use higher water volumes on older trees and varieties that have more compact and dense foliage. Higher volumes of water coupled with well calibrated equipment will help to provide better coverage.</p> <p>Apply when mite populations are low. <i>Zea/ WP Miticide</i> is predominately an ovicide/larvicide. Apply <i>Zea/ WP Miticide</i> at or prior to threshold for your area but not greater than the maximum rate listed.</p> <p>Choose lower rate for light infestations and the higher rate for heavy infestations.</p> <p>Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.</p>
<p>Restrictions</p> <ul style="list-style-type: none"> • Preharvest interval (PHI) is 0 day. • Do not make more than one <i>Zea/ WP Miticide</i> application per season. • Do not apply more than 3.0 oz (0.135 lb ai) of <i>Zea/ WP Miticide</i> per acre per season. • Do not apply more than 0.135 lb ai/A per calendar year. 		

[**Not for Use in California]

See label section titled RESISTANCE MANAGEMENT for recommendations to delay the onset of mite resistance to *Zea/ WP Miticide* and/or other active ingredients that can have cross resistance with etoxazole.

FIELD CORN, POPCORN, CORN (Grown For Seed Production)		
PESTS	PRODUCT RATE OZ/ACRE	SPECIAL INSTRUCTIONS
Banks Grass Mite ^A Carmine Spider Mite Pacific Spider Mite Strawberry Spider Mite Two-spotted Spider Mite (And any other species belonging to the spider mite family (Tetranychidae))	1.0 to 3.0 (0.045 to 0.135 lb ai/A)	<p>Apply with [air*** or] ground equipment in adequate water for uniform coverage ([a minimum of 3 gallons/A by air*** or] a minimum of 10 gallons/A [by ground]). Coverage is essential for good control. Use of higher water volume will assure better coverage. Apply <i>Zeal</i> WP Miticide before tasseling stage to allow good coverage and provide better control.</p> <p>For field corn utilized for seed production apply <i>Zeal</i> WP Miticide before or at tasseling growth stage.</p> <p>Apply when mite populations are below threshold or beginning to build up on the plants. <i>Zeal</i> WP Miticide is predominately an ovicide/larvicide and should be used early in the life cycle of mites. Always follow the recommended threshold for your area.</p> <p>Choose lower rate for light infestations and the higher rate for heavy infestations.</p> <p>Do not use rates below 1.0 oz/A (0.045 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.</p> <p>For applications using chemigation refer to chemigation section.</p>
[***Not approved for aerial application in New York.]		
<p>Restrictions</p> <ul style="list-style-type: none"> • Do not apply within 21 days of harvest. • Do not make more than one <i>Zeal</i> WP Miticide application per season. • Do not apply more than 3.0 oz (0.135 lb ai) of <i>Zeal</i> WP Miticide per acre per season. • Do not apply more than 0.135 lb ai/A per calendar year. 		

^A Applications targeting exclusively Banks grass mites may require the higher rates within the rate range listed above particularly if populations have exceeded the established threshold in the fields to be treated with *Zeal* WP Miticide. Also, under extreme drought conditions and higher populations Banks grass mites may require an additional application of a non-etoxazole miticide.

See label section titled RESISTANCE MANAGEMENT for recommendations to delay the onset of mite resistance to *Zeal* WP Miticide and/or other active ingredients that can have cross resistance with etoxazole.

SWEET CORN		
PESTS	PRODUCT RATE OZ/ACRE	SPECIAL INSTRUCTIONS
Banks Grass Mite Carmine Spider Mite Pacific Spider Mite Spider Mites Strawberry Spider Mite Two-spotted Spider Mite (And any other species belonging to the spider mite family (Tetranychidae))	1.0 to 3.0 (0.045 to 0.135 lb ai/A)	<p>Apply with [air*** or] ground equipment in adequate water for uniform coverage ([a minimum of 3 gallons/A by air*** or] a minimum of 10 gallons/A [by ground]). Coverage is essential for good control. Use of higher water volume will assure better coverage. Apply Zeal/ WP Miticide before tasseling stage to allow good spray penetration and provide better control throughout the plant's canopy.</p> <p>Apply when mite populations are below threshold or beginning to build up on the plants. Zeal/ WP Miticide is predominately an ovicide/larvicide and use early in the life cycle of mites. Apply Zeal/ WP Miticide at or prior to threshold for your area but not greater than the maximum rate listed.</p> <p>Choose lower rate for light infestations and the higher rate for heavy infestations.</p> <p>Do not use rates below 1.0 oz/A (0.045 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.</p>
[***Not approved for aerial application in New York.]		
<p>Restrictions</p> <ul style="list-style-type: none"> • Do not apply within 21 days of harvest. • Do not make more than one Zeal WP Miticide applications per year. • Do not apply more than 3.0 oz (0.135 lb ai) of Zeal/ WP Miticide per acre per year. • Do not apply more than 0.135 lb ai/A per calendar year. 		

See label section titled RESISTANCE MANAGEMENT for recommendations to delay the onset of mite resistance to Zeal WP Miticide and/or other active ingredients that can have cross resistance with etoxazole.

COTTON		
[Including (Subgroup 20C) Cottonseed; cultivars, varieties, and/or hybrids of these.]		
PESTS	PRODUCT RATE OZ/ACRE	SPECIAL INSTRUCTIONS
Carmine Spider Mite Pacific Spider Mite Two-spotted Spider Mite (And any other species belonging to the spider mite family (Tetranychidae))	0.66 to 1.0 (0.03 to 0.045 lb ai/A)	<p>Apply with air or ground equipment in adequate water for uniform coverage (3 to 10 gallons/A by air or 10 to 50 gallons/A by ground). Coverage is essential for good control. Use of higher water volume will assure better coverage.</p> <p>Apply when mite populations are low. <i>Zea/ WP Miticide</i> is predominately an ovicide/larvicide and should be used early in the life cycle of mites. Apply <i>Zea/ WP Miticide</i> at or prior to threshold for your area but not greater than the maximum rate listed.</p> <p>Choose lower rate for light infestations and the higher rate for heavy infestations.</p> <p>Do not use below use rate 0.66 oz/A (0.03 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.</p>
<p>Restrictions</p> <ul style="list-style-type: none"> • Preharvest interval (PHI) is 28 days. • Do not make more than one <i>Zea/ WP Miticide</i> application per season. • Do not apply more than 1.0 oz (0.045 lb ai) of <i>Zea/ WP Miticide</i> per acre per season. • Do not apply more than 0.045 lb ai/A per calendar year. 		

See label section titled RESISTANCE MANAGEMENT for recommendations to delay the onset of mite resistance to *Zea/ WP Miticide* and/or other active ingredients that can have cross resistance with etoxazole.

CUCURBIT VEGETABLES

(Crop Group 9)

Acorn Squash; Balsam Apple; Balsam Pear; Bittermelon; Butternut Squash; Calabaza Squash; Cantaloupe; Chayote (Fruit); Chinese Cucumber; Chinese Okra; Chinese Waxgourd (Chinese Preserving Melon); Citron Melon; Cucumber; Cucuzza; Gherkin; Gourd, Edible; Hechima; Hubbard Squash; Hyotan; *Momordica* spp.; Muskmelon; Pumpkin; Spaghetti Squash; Summer Squash; Watermelon; Winter Squash

PESTS	PRODUCT RATE OZ/ACRE	SPECIAL INSTRUCTIONS
Two-spotted Spider Mite Carmine Spider Mite Pacific Spider Mite Strawberry Spider Mite (And any other species belonging to the spider mite family (Tetranychidae))	2.0 to 3.0 (0.09 to 0.135 lb ai/A)	<p>Apply with [air*** or] ground equipment in adequate water for uniform coverage ([a minimum of 3 gallons/A by air*** or] a minimum of 10 gallons/A [by ground]). Coverage is essential for good control. Use of higher water volume will assure better coverage.</p> <p>Applications of <i>Zeal</i> WP Miticide must be made using enough carrier (water) to ensure thorough coverage of the crop's vegetative and reproductive parts, which mites use for dispersal, feeding and reproduction. Use higher water volumes on more mature plants and varieties that have more compact and dense foliage. Higher volumes of water coupled with well calibrated equipment will help to provide better coverage.</p> <p>Apply when mite populations are low. <i>Zeal</i> WP Miticide is predominately an ovicide/larvicide. Apply <i>Zeal</i> WP Miticide at or prior to threshold for your area but not greater than the maximum rate listed.</p> <p>Choose lower rate for light infestations and the higher rate for heavy infestations.</p> <p>Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.</p>

[***Not approved for aerial application in New York.]

Restrictions

- Preharvest interval (PHI) is 7 days.
- Do not make more than one *Zeal* WP Miticide application per season.
- Do not apply more than 3.0 oz (0.135 lb ai) of *Zeal* WP Miticide per acre per season.
- Do not apply more than 0.135 lb ai/A per calendar year.

See label section titled RESISTANCE MANAGEMENT for recommendations to delay the onset of mite resistance to *Zeal* WP Miticide and/or other active ingredients that can have cross resistance with etoxazole.

HOPS[**]		
PEST	PRODUCT RATE OZ/ACRE	SPECIAL INSTRUCTIONS
Two-spotted Spider Mite (And any other species belonging to the spider mite family (Tetranychidae))	3.0 to 4.0 (0.135 to 0.18 lb ai/A)	<p>Apply with ground equipment in a minimum of 50 gallons/A of water. Coverage is essential for good control. Use of higher water volume will assure better coverage.</p> <p>Apply when mite populations are low. <i>Zeal</i> WP Miticide is predominately an ovicide/larvicide. Apply <i>Zeal</i> WP Miticide at or prior to threshold for your area but not greater than the maximum rate listed.</p> <p>Choose lower rate for light infestations and the higher rate for heavy infestations.</p> <p>Do not use below use rate 3.0 oz/A (0.135 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.</p>
<p>Restrictions</p> <ul style="list-style-type: none"> • Preharvest interval (PHI) is 7 days. • Do not make more than one <i>Zeal</i> WP Miticide application per season. • Do not apply more than 4.0 oz (0.18 lb ai) of <i>Zeal</i> WP Miticide per acre per season. • Do not apply more than 0.18 lb ai/A per calendar year. 		

[**Not for Use in California]

See label section titled RESISTANCE MANAGEMENT for recommendations to delay the onset of mite resistance to *Zeal* WP Miticide and/or other active ingredients that can have cross resistance with etoxazole.

LOW GROWING BERRY^[**] (Subgroup 13-07G)		
Bearberry; Bilberry; Blueberry, Lowbush; Cloudberry; Cranberry; Lingonberry; Muntries; Partridgeberry; Strawberry; cultivars, varieties, and/or hybrids of these.		
PEST	PRODUCT RATE OZ/ACRE	SPECIAL INSTRUCTIONS
European Red Mite Pacific Spider Mite Two-spotted Spider Mite (And any other species belonging to the spider mite family (Tetranychidae))	2.0 to 3.0 (0.09 to 0.135 lb ai/A)	Apply with ground equipment in a minimum of 100 gallons/A of water. Coverage is essential for good control. Use of higher water volume will assure better coverage. Apply when mite populations are low. <i>Zea/ WP Miticide</i> is predominately an ovicide/larvicide and should be used early in the life cycle of mites. Apply <i>Zea/ WP Miticide</i> at or prior to threshold for your area but not greater than the maximum rate listed. <i>Zea/ WP Miticide</i> will not control Cyclamine Mite. Another miticide registered for this pest should be used if these mites are a problem. Choose lower rate for light infestations and the higher rate for heavy infestations. Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.
Two-spotted Spider Mite (And any other species belonging to the spider mite family (Tetranychidae))	2.0 to 3.0 (0.09 to 0.135 lb ai/A) + 10-2/3 fl oz <i>Danito</i> [®] 2.4 EC Spray (0.2 lb Fenpropathrin /A)	Apply with ground equipment in adequate water for uniform coverage (using a minimum of 100 gallons/A). Alternate with other non-pyrethroid insecticides if re-treatment 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>Danito</i> [®] 2.4 EC Spray.
Restrictions		
<ul style="list-style-type: none"> • Preharvest interval (PHI) is 1 day for <i>Zea/ WP Miticide</i> alone and 2 days with tank mix. • Do not make more than one <i>Zea/ WP Miticide</i> application per season. • Do not apply more than 3.0 oz (0.135 lb ai) of <i>Zea/ WP Miticide</i> per acre per season. • Do not apply more than 0.135 lb ai/A per calendar year. 		

[**Not for Use in California]

See label section titled RESISTANCE MANAGEMENT for recommendations to delay the onset of mite resistance to *Zea/ WP Miticide* and/or other active ingredients that can have cross resistance with etoxazole.

MINT^[**] (Peppermint and Spearmint)		
PESTS	PRODUCT RATE OZ/ACRE	SPECIAL INSTRUCTIONS
Pacific Spider Mite Strawberry Spider Mite Two-spotted Spider Mite (And any other species belonging to the spider mite family (Tetranychidae))	2.0 to 4.0 (0.09 to 0.18 lb ai/A)	<p>Apply with [air^{***} or] ground equipment in adequate water for uniform coverage (minimum of [10 gallons/A by air^{***} or] 50 gallons/A [by ground]). Coverage is essential for good control. Use of higher water volume will assure better coverage.</p> <p>Apply when mite populations are low. <i>Zeal</i> WP Miticide is predominately an ovicide/larvicide. Apply <i>Zeal</i> WP Miticide at or prior to threshold for your area but not greater than the maximum rate listed.</p> <p>Choose lower rate for light infestations and the higher rate for heavy infestations.</p> <p>Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.</p>
[***Not approved for aerial application in New York.]		
<p>Restrictions</p> <ul style="list-style-type: none"> • Preharvest interval (PHI) is 7 days. • Do not make more than one <i>Zeal</i> WP Miticide application per season. • Do not apply more than 4.0 oz (0.18 lb ai) of <i>Zeal</i> WP Miticide per acre per season. • Do not apply more than 0.18 lb ai/A per calendar year. 		

[**Not for Use in California]

See label section titled RESISTANCE MANAGEMENT for recommendations to delay the onset of mite resistance to *Zeal* WP Miticide and/or other active ingredients that can have cross resistance with etoxazole.

PEPPER AND EGGPLANT^[**] (Subgroup 8-10B)		
African Eggplant; Bell Pepper; Eggplant; Martynia; Non-Bell Pepper; Okra; Pea Eggplant; Pepino; Roselle; Scarlet Eggplant; cultivars, varieties and/or hybrids of these.		
PESTS	PRODUCT RATE OZ/ACRE	SPECIAL INSTRUCTIONS
Two-spotted Spider Mite Broad Mite (<i>Polyphagotarsonemus latus</i>) (And any other species belonging to the spider mite family (Tetranychidae))	2.0 to 3.0 (0.09 to 0.135 lb ai/A)	<p>Apply with ground equipment in a minimum of 20 gallons/A of water. Applications of <i>Zeal</i> WP Miticide must be made using enough carrier (water) to ensure thorough coverage of the crop's vegetative and reproductive parts, which mites use for dispersal, feeding and reproduction. Use higher water volumes on more mature plants and varieties that have more compact and dense foliage. Higher volumes of water coupled with well calibrated equipment will help to provide better coverage.</p> <p>Apply when mite populations are low. <i>Zeal</i> WP Miticide is predominately an ovicide/larvicide. Apply <i>Zeal</i> WP Miticide at or prior to threshold for your area but not greater than the maximum rate listed.</p> <p>Choose lower rate for light infestations and the higher rate for heavy infestations.</p> <p>Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.</p>
<p>Restrictions</p> <ul style="list-style-type: none"> • Preharvest interval (PHI) is 7 days. • Do not make more than one <i>Zeal</i> WP Miticide application per season. • Do not apply more than 3.0 oz (0.135 lb ai) of <i>Zeal</i> WP Miticide per acre per season. • Do not apply more than 0.135 lb ai/A per calendar year. 		

[**Not for Use in California]

See label section titled RESISTANCE MANAGEMENT for recommendations to delay the onset of mite resistance to *Zeal* WP Miticide and/or other active ingredients that can have cross resistance with etoxazole.

POME FRUIT^[**] (Crop Group 11-10)		
Apple; Azarole; Crabapple; Loquat; Mayhaw; Medlar; Pear; Pear, Asian; Quince; Quince, Chinese; Quince, Japanese; Tejocote; cultivars, varieties, and/or hybrids of these.		
PESTS	PRODUCT RATE OZ/ACRE	SPECIAL INSTRUCTIONS
European Red Mite McDaniel Spider Mite Pacific Spider Mite Two-spotted Spider Mite (And any other species belonging to the spider mite family (Tetranychidae))	2.0 to 3.0 (0.09 to 0.135 lb ai/A)	<p>Apply by ground with airblast equipment in a minimum of 100 gallons/A. Coverage is essential for good control. Use of higher water volume will assure better coverage.</p> <p>Apply when mite populations are low. <i>Zeal</i> WP Miticide is predominately an ovicide/larvicide and should be used early in the life cycle of mites. Apply <i>Zeal</i> WP Miticide at or prior to threshold for your area but not greater than the maximum rate listed.</p> <p><i>Zeal</i> WP Miticide will not control Rust Mites or Blister Mites. If these pests are a problem, use an alternative miticide registered for that use.</p> <p>Choose lower rate for light infestations and the higher rate for heavy infestations.</p> <p>Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.</p>
<p>Restrictions</p> <ul style="list-style-type: none"> • Preharvest interval (PHI) is 14 days. • Do not make more than one <i>Zeal</i> WP Miticide application per season. • Do not apply more than 3.0 oz (0.135 lb ai) of <i>Zeal</i> WP Miticide per acre per season. • Do not apply more than 0.135 lb ai/A per calendar year. 		

[**Not for Use in California]

See label section titled RESISTANCE MANAGEMENT for recommendations to delay the onset of mite resistance to *Zeal* WP Miticide and/or other active ingredients that can have cross resistance with etoxazole.

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

Amur River Grape; Gooseberry; Grape; Kiwifruit, Hardy; Maypop; Schisandra Berry; cultivars, varieties, and/or hybrids of these.

PESTS	PRODUCT RATE OZ/ACRE	SPECIAL INSTRUCTIONS
European Red Mite Pacific Spider Mite Two-spotted Spider Mite Willamette Mite (And any other species belonging to the spider mite family (Tetranychidae))	2.0 to 3.0 (0.09 to 0.135 lb ai/A)	<p>Apply by ground as a full coverage spray in a minimum of 25 gallons/A of water. Coverage is essential for good control. Use of higher water volume will assure better coverage.</p> <p>Apply when mite populations are low. <i>Zea/ WP</i> Miticide is predominately an ovicide/larvicide and should be used early in the life cycle of mites. Apply <i>Zea/ WP</i> Miticide at or prior to threshold for your area but not greater than the maximum rate listed.</p> <p><i>Zea/ WP</i> Miticide will not control Rust Mites or Blister Mites. If these pests are a problem, use an alternative miticide registered for that use.</p> <p>Choose lower rate for light infestations and the higher rate for heavy infestations.</p> <p>Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.</p>

Restrictions

- Preharvest interval (PHI) is 14 days
- Do not make more than one *Zea/ WP* Miticide application per season.
- Do not apply more than 3.0 oz (0.135 lb ai) of *Zea/ WP* Miticide per acre per season.
- Do not apply more than 0.135 lb ai/A per calendar year.

[**Not for Use in California]

See label section titled RESISTANCE MANAGEMENT for recommendations to delay the onset of mite resistance to *Zea/ WP* Miticide and/or other active ingredients that can have cross resistance with etoxazole.

STONE FRUIT^[**] (Crop Group 12-12)		
<p>Apricot; Apricot, Japanese; Capulin; Cherry, Black; Cherry, Nanking; Cherry, Sweet; Cherry, Tart; Jujube, Chinese; Nectarine; Peach; Plum; Plum, American; Plum, Beach; Plum, Canada; Plum, Cherry; Plum, Chickasaw; Plum, Damson; Plum, Japanese; Plum, Klamath; Plum, Prune; Plumcot; Sloe; cultivars, varieties, and/or hybrids of these.</p>		
PEST	PRODUCT RATE OZ/ACRE	SPECIAL INSTRUCTIONS
<p>European Red Mite Pacific Spider Mite Two-spotted Spider Mite (And any other species belonging to the spider mite family (Tetranychidae))</p>	<p>2.0 to 3.0 (0.09 to 0.135 lb ai/A)</p>	<p>Apply with ground equipment in a minimum of 50 gallons/A of water. Coverage is essential for good control. Use of higher water volume will assure better coverage.</p> <p>Apply when mite populations are low. <i>Zeal</i> WP Miticide is predominately an ovicide/larvicide. Apply <i>Zeal</i> WP Miticide at or prior to threshold for your area but not greater than the maximum rate listed.</p> <p>Choose lower rate for light infestations and the higher rate for heavy infestations.</p> <p>Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.</p>
<p>Restrictions</p> <ul style="list-style-type: none"> • Preharvest interval (PHI) is 7 days. • Do not make more than one <i>Zeal</i> WP Miticide application per season. • Do not apply more than 3.0 oz (0.135 lb ai) of <i>Zeal</i> WP Miticide per acre per season. • Do not apply more than 0.135 lb ai/A per calendar year. 		

[**Not for Use in California]

See label section titled RESISTANCE MANAGEMENT for recommendations to delay the onset of mite resistance to *Zeal* WP Miticide and/or other active ingredients that can have cross resistance with etoxazole.

NON-BEARING FRUIT TREES ^[**]		
PESTS	PRODUCT RATE OZ/ACRE	SPECIAL INSTRUCTIONS
European Red Mite McDaniel Spider Mite Pacific Spider Mite Two-spotted Spider Mite (And any other species belonging to the spider mite family (Tetranychidae))	2.0 to 3.0 (0.09 to 0.135 lb ai/A)	Apply by ground with airblast equipment as a full coverage spray. Apply when mite populations are low. <i>Zeal</i> WP Miticide is predominately an ovicide/larvicide. Apply <i>Zeal</i> WP Miticide at or prior to threshold for your area but not greater than the maximum rate listed. Choose lower rate for light infestations and the higher rate for heavy infestations. Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.
<p>Restrictions</p> <ul style="list-style-type: none"> • Do not harvest fruit or nuts from treated trees within one year of application. • Do not make more than one <i>Zeal</i> WP Miticide application per season. • Do not apply more than 3.0 oz (0.135 lb ai) <i>Zeal</i> WP Miticide per acre per season. • Do not apply more than 0.135 lb ai/A per calendar year. 		

[**Not for Use in California]

See label section titled RESISTANCE MANAGEMENT for recommendations to delay the onset of mite resistance to *Zeal* WP Miticide and/or other active ingredients that can have cross resistance with etoxazole.

CHRISTMAS TREES ^[**]		
PESTS	PRODUCT RATE OZ/ACRE	SPECIAL INSTRUCTIONS
McDaniel Spider Mite Pacific Spider Mite Spruce Spider Mite Two-spotted Spider Mite (And any other species belonging to the spider mite family (Tetranychidae))	2.0 to 3.0 (0.09 to 0.135 lb ai/A)	Apply by ground as full coverage spray or by air in a minimum of 10 gallons/A. Coverage is critical for effective control. Apply when mite populations are low. <i>Zea/</i> <i>WP Miticide</i> is predominately an ovicide/larvicide. Apply <i>Zea/ WP Miticide</i> at or prior to threshold for your area but not greater than the maximum rate listed. Choose lower rate for light infestations and the higher rate for heavy infestations. Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.
<p>Restrictions</p> <ul style="list-style-type: none"> • Do not make more than one <i>Zea/ WP Miticide</i> application per season. • Do not apply more than 3.0 oz (0.135 lb ai) <i>Zea/ WP Miticide</i> per acre per season. • Do not apply more than 0.135 lb ai/A per calendar year. 		

[**Not for Use in California]

See label section titled RESISTANCE MANAGEMENT for recommendations to delay the onset of mite resistance to *Zea/ WP Miticide* and/or other active ingredients that can have cross resistance with etoxazole.

TREE NUTS^[]
(Crop Group 14-12)**

African Nut-tree; Almond; Beech Nut; Brazil Nut; Brazilian Pine; Bunya; Bur Oak; Butternut; Cajou Nut; Candlenut; Cashew; Chestnut; Chinquapin; Coconut; Coquito Nut; Dika Nut; Gingko; Guiana Chestnut; Hazelnut (filbert); Heartnut; Hickory Nut; Japanese Horse-chestnut; Macadamia Nut; Mongongo Nut; Monkey-pot; Monkey Puzzle Nut; Okari Nut; Pachira Nut; Peach Palm Nut; Pecan; Pequi; Pili Nut; Pine Nut; Pistachio; Sapucala Nut; Tropical Almond; Walnut, Black; Walnut, English; Yellowhorn; cultivars, varieties, and/or hybrids of these.

PESTS	PRODUCT RATE OZ/ACRE	SPECIAL INSTRUCTIONS
European Red Mite Pacific Spider Mite Two-spotted Spider Mite Pecan Leaf Scorch Mite <i>(Eotetranychus hicoriae)</i> (And any other species belonging to the spider mite family (Tetranychidae))	2.0 to 3.0 (0.09 to 0.135 lb ai/A)	Apply by ground with airblast equipment as a full coverage spray. Apply when mite populations are low. <i>Zea/ WP Miticide</i> is predominately an ovicide/larvicide. Apply <i>Zea/ WP Miticide</i> at or prior to threshold for your area but not greater than the maximum rate listed. Choose lower rate for light infestations and the higher rate for heavy infestations. Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.
Restrictions <ul style="list-style-type: none"> • Preharvest interval (PHI) is 28 days. • Do not make more than one <i>Zea/ WP Miticide</i> application per season. • Do not apply more than 3.0 oz (0.135 lb ai) <i>Zea/ WP Miticide</i> per acre per season. • Do not apply more than 0.135 lb ai/A per calendar year. 		

[**Not for Use in California]

See label section titled RESISTANCE MANAGEMENT for recommendations to delay the onset of mite resistance to *Zea/ WP Miticide* and/or other active ingredients that can have cross resistance with etoxazole.

TROPICAL AND SUB-TROPICAL FRUIT (INEDIBLE PEEL)[**] Avocado; Canistel; Mango; Papaya; Sapodilla; Sapote, Black; Sapote, Mamey; Star Apple		
PESTS	PRODUCT RATE OZ/ACRE	SPECIAL INSTRUCTIONS
Avocado Brown Mite Persea Mite Two-spotted Spider Mite (And any other species belonging to the spider mite family (Tetranychidae))	2.0 to 3.0 (0.09 to 0.135 lb ai/A)	<p>Apply with [air*** or] ground equipment in adequate water for uniform coverage ([minimum 20 gallons/A by air*** or] minimum 50 gallons/A [by ground]). Applications of <i>Zeal</i> WP Miticide must be made using enough carrier (water) to ensure thorough coverage of the crop's vegetative and reproductive parts, which mites use for dispersal, feeding and reproduction. Use higher water volumes on more mature plants and varieties that have more compact and dense foliage. Higher volumes of water coupled with well calibrated equipment will help to provide better coverage.</p> <p>Apply when mite populations are low. <i>Zeal</i> WP Miticide is predominately an ovicide/larvicide. Apply <i>Zeal</i> WP Miticide at or prior to threshold for your area but not greater than the maximum rate listed.</p> <p>Choose lower rate for light infestations and the higher rate for heavy infestations.</p> <p>Do not use below use rate 2.0 oz/A (0.09 lb ai/A) as this may result in poor control and contribute to the development of resistance to etoxazole among mite populations.</p>
[***Not approved for aerial application in New York.]		
<p>Restrictions</p> <ul style="list-style-type: none"> • Preharvest interval (PHI) is 1 day. • Do not make more than one <i>Zeal</i> WP Miticide application per season. • Do not apply more than 3.0 oz (0.135 lb ai) of <i>Zeal</i> WP Miticide per acre per season. • Do not apply more than 0.135 lb ai/A per calendar year. 		

[**Not for Use in California]

See label section titled RESISTANCE MANAGEMENT for recommendations to delay the onset of mite resistance to *Zeal* WP Miticide and/or other active ingredients that can have cross resistance with etoxazole.

STORAGE AND DISPOSAL

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

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. Open dumping is prohibited.

CONTAINER HANDLING

Nonrefillable outer bag. Do not reuse or refill the outer bag. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill.

RECYCLING

Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact the Ag Container Recycling Council (ACRC) at 877-952-2272 (toll free) or www.acrecycle.org.

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***Danitol 2.4 EC Spray* (EPA Reg. No. 59639-35) is a restricted use product.**

Manufactured for:

Valent U.S.A. LLC

P.O. Box 5075

San Ramon CA 94583

(800)-6-VALENT (682-5368)

Made in U.S.A.

EPA Reg. No. 59639-138

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