

59639-35

3/26/2009

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

WASHINGTON, D.C. 20460

MAR 26 2009

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Ms. Julie B. Schlekau  
Valent U.S.A. Corporation  
1600 Riviera Avenue, Suite 200  
Walnut Creek, CA 94596

**Subject:** Label Amendment to Add New Uses: Stone Fruit, Tree Nuts, Pistachio, Caneberries, Olive, Avocado, Black Sapote, Canistel, Mamey sapote, Mango, Papaya, Sapodilla, and Star Apple

EPA Reg. No. 59639-35  
Danitol® 2.4 EC Spray

Dear Ms. Schlekau;

The amendment referred to above, submitted in connection with registration under Section (3) (c) (7) (b) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable subject to the comments and terms for conditional registration listed below. Two (2) copies of the finished labeling must be submitted prior to releasing the product for shipment. A stamped copy of the label is enclosed for your records.

1. You will submit and/or cite all data required for registration/reregistration of your product under FIFRA Section 3 (c) (5) when the Agency requires all registrants of similar products to submit such data; and submit responses required for reregistration of your product under FIFRA Section 4.
2. You agree that the subject amendment is conditional under the same terms and conditions for data generation as stipulated in our November 15, 1993 letter for use of these products on cotton.
3. You agree that the current synthetic pyrethroid mitigation measures are interim in nature and may be reconsidered or modified after review and evaluation of the Spray Drift Task Force data.
4. You will submit production information (pounds or gallons produced) for this product for the fiscal year in which the added uses are conditionally registered, in accordance with

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FIFRA Section 29. The fiscal year begins October 1 and ends September 30. The production information will be submitted to the Agency no later than November 15 following the end of the preceding fiscal year.

This information should be submitted to:

U.S. Environmental Protection Agency  
Office of Pesticide Programs (7504P)  
Document Processing Desk  
Ariel Rios Building  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460

- 5. You agree to submit the following studies conducted in accordance with 40 CR Part 158 test guidelines within two (2) years from the date of this letter:

<u>Study</u>	<u>OPPTS Guideline Number</u>	<u>Due Date</u>
Immunotoxicology study in rats	870.7800	March 2011
Acute sediment (freshwater) study	850.1735	“
Acute sediment (estuarine/marine) study	850.1740	“
Estuarine/Marine fish early life stage study	850.1400	“
90-day inhalation study in rats*	870.3465	---

\* Study previously requested as a condition of registration, the data is outstanding pending final consideration of the waiver request you submitted. A due date for the study will be determined if the waiver request is denied.

- 6. You will make the following label changes before you release the product for shipment:

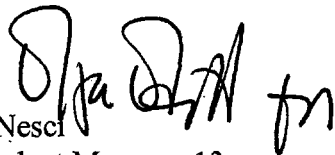
- a) Revise the spray drift language and format as per our letter February 21, 2008; G. LaRocca. The changes you incorporated are in conflict with that Notice (e.g., spray drift requirements that appear as a subtopic under aerial applications instead of as a distinct topic pertinent to all applications). As per our meeting on December 9, 2008, if you want to propose specific changes to this section, please do so in a separate submission to the Agency.
- b) On page 12, revise “*Spray drift recommendations and other precautions...*” to read “*Other precautions for cotton.*”
- c) The container disposal statements for pesticides have been revised. Refer to PR Notice 2007-4 and modify your label accordingly.

**You should note that if you fail to satisfy any of the conditions imposed on this registration, e.g., you fail to submit the required data by the specified deadlines or**

**the data submitted were not generated in accordance with applicable test guidelines, EPA may issue notice to cancel these uses under FIFRA 6(e).**

If you have questions regarding this action, please contact Olga Odiott at 703-308-9369.

Sincerely,



Kimberly Nesci  
Interim Product Manager 13  
Insecticide Branch  
Registration Division (7505P)

Enclosure

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GROUP 3 INSECTICIDE

**RESTRICTED USE PESTICIDE**  
**DUE TO TOXICITY TO FISH AND AQUATIC ORGANISMS.**  
For retail sale to and use only by Certified Applicators, or persons under their direct supervision, and only for those uses covered by the Certified Applicator's certification.

# DANITOL<sup>®</sup> 2.4 EC Spray

(INSECTICIDE - MITICIDE)

	By Wt.
Active Ingredient	
Fenpropathrin*.....	30.9%
Other Ingredients.....	69.1%
Total .....	100.0%

\*alpha-cyano-3-phenoxybenzyl 2,2,3,3-tetramethylcyclopropanecarboxylate

Contains 2.4 pounds fenpropathrin per gallon.  
Contains Petroleum Distillates

**KEEP OUT OF REACH OF CHILDREN**

## WARNING - AVISO

**SEE NEXT PAGE FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

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).

**NET CONTENT 1 GALLON**

**ACCEPTED**  
**with COMMENTS**  
**In EPA Letter Dated**  
MAR 26 2009  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
59639-35

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## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS & DOMESTIC ANIMALS

## WARNING

Maybe fatal if swallowed. Causes substantial but temporary eye injury. Do not get in eyes, on skin, or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Causes skin irritation. Harmful if inhaled or if absorbed through skin. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash clothing before reuse.

### FIRST AID

- If swallowed:**
  - Immediately call a poison control center or doctor.
  - Do not induce vomiting unless told to do so by a poison control center or doctor.
  - Do not give **any** liquid to the person.
  - Do not give anything by mouth to an unconscious person.
  
- If in eyes:**
  - Hold eye open and rinse slowly and gently with water for 15-20 minutes.
  - Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
  - Call a poison control center for treatment advice.
  
- If on skin or clothing:**
  - Take off contaminated clothing.
  - Rinse skin immediately with plenty of water for 15-20 minutes.
  - Call a poison control center or doctor for treatment advice.
  
- If inhaled:**
  - 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 **1-800-892-0099** for emergency medical treatment information.

### NOTES TO PHYSICIAN

Possible mucosal damage may contraindicate the use of gastric lavage. This product may pose an aspiration pneumonia hazard. Treatment is supportive and symptomatic. Diazepam has been recommended to reduce the CNS effects of fenproprathrin.

### PERSONAL PROTECTIVE EQUIPMENT (PPE):

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart.

**Applicators and other handlers must wear:** long-sleeved shirt and long pants, chemical-resistant gloves, such as Barrier Laminate or Viton ≥ 14 mils, shoes plus socks and protective eyewear.

**Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.** Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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**USER SAFETY RECOMMENDATIONS**

Users should:

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

**ENVIRONMENTAL HAZARDS:**

This product is extremely toxic to fish and aquatic organisms and is toxic to wildlife. 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 areas treated. Do not contaminate water when cleaning equipment or when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

**PHYSICAL OR CHEMICAL HAZARDS:**

Do not use or store near heat or open flame.

**DIRECTIONS FOR USE**

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

**READ ENTIRE LABEL AND BOOKLET. 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 instructions and exceptions pertaining to the statements on this label about personal protective 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 24 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: coveralls, chemical-resistant gloves, such as Barrier Laminate or Viton ≥ 14 mils, shoes plus socks and protective eyewear.

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**ADDITIONAL RESTRICTIONS FOR USE IN NEW YORK**

Do not apply this product within 100 feet of any freshwater lake, pond, river, stream or wetland in the state of New York. Do not apply this product within 100 feet of a coastal marsh or any water that drains into a coastal marsh in the state of New York. Aerial application is prohibited in the state of New York. Single application greater than 0.3 lb. ai per acre and seasonal applications greater than 0.6 lb. ai per acre are prohibited in the state of New York.

**ADDITIONAL PERSONAL PROTECTIVE EQUIPMENT REQUIREMENTS FOR USE IN CALIFORNIA**

For California workers these directions are in addition to the Personal Protective Equipment (PPE) requirements found elsewhere on the container label.

- Handlers mixing and loading *Danitol 2.4 EC Spray* for aerial application must use a closed mixing/loading system.
- Applicators applying *Danitol 2.4 EC Spray* by airblast must wear: chemical resistant headgear and coveralls.

**CALIFORNIA SPECIFIC REQUIREMENTS FOR COTTON:**

**Drivers of ground application equipment:** Drivers are required to follow the federal personal protective equipment requirements for applicators and, if not in an enclosed cab, must wear a chemical-resistant suit over work clothes.

**Flaggers:** Whenever possible, mechanical flaggers should be used. Flaggers are required to follow the federal personal protective equipment requirements and, if not in an enclosed cab, must wear coveralls over work clothes.

When handlers (including drivers of ground application equipment and flaggers) use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**Field Scouts:** For the first 24 hours after application, field scouts are required to follow federal restricted-entry interval (REI) personal protective equipment requirements. On days 2 through 8 after application, field scouts must wear: long-sleeved shirt and long pants or coveralls and shoes plus socks.

**CALIFORNIA SPECIFIC REQUIREMENTS FOR HAND LABOR ACTIVITIES (40 CFR§170) ON GRAPES:**

For the first 3 days after application, hand laborers must wear: coveralls, chemical resistant gloves, such as Barrier Laminate or Viton ≥ 14 mils, socks plus shoes and protective eyewear.

**CALIFORNIA SPECIFIC REQUIREMENTS FOR HAND LABOR ACTIVITIES (40 CFR§170) ON APPLES AND PEARS:**

For the first 5 days after application, hand laborers must wear: coveralls, chemical resistant gloves, such as Barrier Laminate or Viton ≥ 14 mils, socks plus shoes and protective eyewear.

**CALIFORNIA SPECIFIC REQUIREMENTS FOR STRAWBERRY HARVESTERS:**

Following treatment of strawberry fields with higher recommended rates (16 to 21 1/3 fl. oz./A, 0.3 to 0.4 lb. ai/A), harvesters must wear a long-sleeved shirt, long pants, shoes plus socks and gloves for three (3) days following application.

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

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

**RISKS OF USING THIS PRODUCT**

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

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

**LIMITED WARRANTY**

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

**LIMITATION OF LIABILITY**

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

**PROMPT NOTICE OF CLAIM**

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

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

**NO AMENDMENTS**

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

**TANK MIXES**

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

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



### RESISTANCE MANAGEMENT

*Danitol* 2.4 EC Spray contains a Group 3 insecticide. Insect biotypes with acquired resistance to Group 3 insecticides may eventually dominate the insect population if Group 3 insecticides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by *Danitol* 2.4 EC or other Group 3 insecticides.

To delay insecticide resistance consider:

- Avoiding the consecutive use of *Danitol* 2.4 EC or other Group 3 insecticides that have a similar target site of action, on the same insect species.
- Using tank mixtures or premixes with insecticides from a different target site of action Group as long as the involved products are all registered for the same use and have different sites of action.
- Basing insecticide use on a comprehensive Integrated Pest Management (IPM) program.
- Monitoring treated insect populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisors and/or manufacturer for insecticide resistance management program and/or IPM recommendations for the specific site and resistant pest problems.

For further information or to report suspected resistance, you may contact Valent U.S.A. Corporation at the toll free number: 1-800-682-5368.

## CROP ROTATION

There are no restrictions on rotational crops.

## MIXING INSTRUCTIONS

*Danitol* 2.4 EC Spray mixes readily with water. When tank mixing with ORTHENE® 90 S, first mix the recommended amount of ORTHENE 90 S in the appropriate amount of water, then add the *Danitol* 2.4 EC last. Agitate well. All applicable directions, restrictions and precautions on both the ORTHENE and *Danitol* 2.4 EC EPA registered labels are to be followed.

## RESISTANCE MANAGEMENT

Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state agricultural authorities for details.

If resistance to this product develops in your area, this product or other products with similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for your area.

## RESTRICTIONS AND LIMITATIONS

Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crop thereof, rendered unfit for sale, use or consumption.

**Do not apply this product through any type of irrigation system. Not for use in or around residential areas.**

## MITIGATION OF SPRAY DRIFT

**OBSERVE THE FOLLOWING PRECAUTIONS WHEN MAKING ANY APPLICATION IN THE VICINITY OF AQUATIC HABITATS (SUCH AS, BUT NOT LIMITED TO LAKES; RESERVOIRS; RIVERS; PERMANENT STREAMS; MARSHES OR NATURAL PONDS; ESTUARIES; AND COMMERCIAL FISH PONDS).**

### Vegetative Buffer Strip

- Construct and maintain a minimum 10 ft wide vegetative filter strip of grass or other permanent vegetation between the field edge and down gradient aquatic habitat (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish ponds).
- Only apply products containing *Danitol* 2.4 EC onto fields where a maintained vegetative buffer strip of at least 10 ft exists between the field and down gradient aquatic habitat.
- For guidance, refer to the following publication for information on constructing and maintaining effective buffers: *Conservation Buffers to Reduce Pesticide Losses. Natural Resources Conservation Services. USDA, NRCS. 2000. Fort Worth, Texas. 21 pp.*  
<http://www.in.nrcs.usda.gov/technical/agronomy/newconbuf.pdf>

### Buffer Zone for Ground Application (groundboom, overhead chemigation or airblast):

- Do not apply by ground within 25 ft of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes or ponds, estuaries and commercial fish ponds).

**Additional Requirements for Ground Application**

- Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application.
- For ground boom applications, apply using a nozzle height of no more than 4 ft above the ground or crop canopy.
- For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two rows. To minimize loss over the top in orchard applications, spray must be directed into the canopy.

**Aerial Applications**

**Buffer Zone for ULV Aerial Applications:** Do not apply within **450 ft** of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, estuaries and commercial fish ponds).

**Buffer Zone for Non-ULV Aerial Applications:** Do not apply by air within **150 ft** of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish ponds).

**Additional Requirements for Aerial Applications**

- For aerial applications the spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip or rotor vortices. The minimum practical boom length should be used and must not exceed 75% of wing span or 80% rotor diameter.
- Flight speed and nozzle orientation must be considered in determining droplet size.
- Spray must be released at the lowest height consistent with good pest control and flight safety. Do not release spray at a height greater than 10 ft above the crop canopy unless a greater height is required for aircraft safety.
- When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft.

**Droplet Size**

- Use only medium or coarse spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

**Wind Direction and Speed**

- Only make applications when the wind velocity favors on-target product deposition. Do not apply when wind velocity exceeds 15 mph.

**Temperature Inversion**

- Do not make aerial, ground or air-assisted/airblast applications during temperature inversions.
- Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

## BERRIES

CROPS	PESTS	PRODUCT RATES FL OZ/A	SPECIAL INSTRUCTIONS
Bushberries: Blueberry Highbush Lowbush Rabbiteye Elderberry Gooseberry Huckleberry Juneberry Lingonberry Salal Caneberries: Blackberry (including Bingleberry Boysenberry Dewberry Lowberr Marionberry Olallieberry Youngberry) Loganberry Rasperry, Black and Red	Blueberry Maggot Cherry Fruitworm Cranberry Fruitworm Japanese Beetle Obliquebanded Leafroller Plum Curculio	10-2/3 - 16 (0.2 - 0.3 lb ai/A)	Apply with air or ground equipment in adequate water for uniform coverage (3 - 10 gals/A by air or a minimum of 20 gals/A by ground).  Make applications beginning when first pest activity is noticed and repeat as needed but not more often than every 14 days.  <b>Resistance Management:</b> Do not make more than 2 <i>Danitol</i> 2.4 EC applications per season as part of a Resistance Management Program. Use non-pyrethroid products at other timings to control pests
	European Red Mite TwoSpotted Spider Mite	16 (0.3 lb ai/A)	
Do not apply within 3 days of harvest. Do not exceed 2 pts (32 fl oz, 0.6 lb ai) total application of <i>Danitol</i> 2.4 EC per acre per season.			
Currant	Currant Borer	10-2/3 - 16 (0.2 - 0.3 lb ai/A)	Apply as a ground application in a minimum of 50 gals. of water per acre.  Make applications beginning when first pest activity is noticed and repeat as needed but not more often than every 7 days.  <b>Resistance Management:</b> Do not make more than 3 <i>Danitol</i> 2.4 EC applications per season as part of a Resistance Management Program. Use non-pyrethroid products at other timings to control pests.
Do not apply within 21 days of harvest. Do not exceed 2-2/3 pts (42-2/3 fl oz, 0.8 lb ai) total application of <i>Danitol</i> 2.4 EC per acre per season.			

### CITRUS

CROP	PESTS	PRODUCT RATES FL OZ/A	SPECIAL INSTRUCTIONS
Citrus	Citrus Thrips (AZ & CA only)	21-1/3 (0.4 lb. ai/A)	<p>Apply with airblast equipment as a concentrate or dilute spray to give outside coverage (50 - 200 gals/A). Make application when pest activity is first noted.</p> <p><b>Resistance Management:</b> It is generally recommended that no more than one <i>Danitol</i> 2.4 EC application be made per season as part of a Resistance Management Program. Use non-pyrethroid products at other timings to control pests.</p>
	Glassy-winged Sharpshooter	10-2/3 - 21-1/3 (0.2 - 0.4 lb ai/A)	Apply with air or ground equipment as a full coverage spray in sufficient water for thorough coverage (minimum of 20 gals/A by air or 50 - 500 gals/A by ground). Spray volumes vary depending upon foliage density, size and number of trees per acre.
	Citrus Blackfly Citrus Flat Mite Citrus Psyllid Citrus Red Mite Citrus Root Weevil (adults only) Citrus Thrips (Outside AZ & CA) Flower Thrips Katydid Orchid Thrips Texas Citrus Mite Twospotted Spider Mite Yuma Mite	16 - 21-1/3 (0.3 - 0.4 lb ai/A)	<p>Apply with air or ground equipment as a concentrate or dilute spray to give outside coverage (Minimum of 5 gals/A by air or 50 - 500 gals/A by ground). Begin applications when pest activity is first noted and repeat as needed to maintain control but not more often than every 10 days.</p> <p>Use the higher <i>Danitol</i> 2.4 EC rate when pest pressure is severe.</p>
	Citrus Rust Mite	16 - 21-1/3 (0.3 - 0.4 lb ai/A)	<p>Apply when citrus rust mite pressure appears. Best results are achieved when rust mite populations are low (treatment is recommended when rust mite populations are just beginning to build). Do not apply under high rust mite populations. Begin applications when pest activity is first noted and repeat as needed to maintain control but not more often than every 10 days.</p> <p>Apply with airblast equipment as a concentrate or dilute spray. Spray volumes of 150 - 500 gals./A are recommended. Spray volumes vary depending upon foliage density, size and number of trees per acre.</p> <p>Better results are achieved when <i>Danitol</i> 2.4 EC is used with a petroleum spray oil. Summer spray program oil rates of 1 - 5 gals/A may be used in some citrus production areas. Check local or state recommendations for suggested oil rates.</p> <p>DO NOT tank mix with any copper formulations.</p>
<p>Best results are achieved if applications are made when temperatures are moderate (usually early morning or evening).            Avoid making applications if the temperature is 94°F. or above.            Do not apply within 1 day of harvest.            Do not exceed 2-2/3 pts. (42-2/3 fl oz, 0.8 lb ai) total application of <i>Danitol</i> 2.4 EC per acre per season (21-1/3 fl oz/A in AZ or CA).            Do not feed or graze livestock on treated grove cover crops.            Additional pesticide sprays may be required to obtain season-long pest control. See Resistance Management Statement.</p>			

## COTTON

CROP	PESTS	PRODUCT RATES FL OZ/A	SPECIAL INSTRUCTIONS
Cotton	Beet Armyworm Bollworm Cotton Leafperforator Leafhopper Plant Bugs (Lygus) (except AZ) Saltmarsh Caterpillar Tobacco Budworm Twospotted Spider Mite (except CA)	10-2/3 - 16 (0.2 - 0.3 lb ai/A)	<p>Apply with air or ground equipment in a seasonal program in adequate water for uniform coverage (3 - 10 gals/A by air or 10 - 50 gals/A by ground).</p> <p><b>Higher water volumes provide improved insect control.</b></p> <p>Insect control may be improved by the addition of a non-ionic surfactant to the spray solution according to manufacturer's recommendation.</p> <p>Begin applications when first pest activity is noticed and repeat as needed to maintain control, but not more often than every 7 days. Under severe pest pressure, use the higher recommended rates.</p> <p><i>Danitol</i> 2.4 EC may be mixed with and/or alternated with commonly used insecticides to comply with local IPM programs.</p>
	Cotton Aphid (except CA) Pink Bollworm Silverleaf Whitefly Sweetpotato Whitefly Western Flower Thrips	8 - 16 (0.15 - 0.3 lb ai/A) + 16 - 32 Monitor <sup>®</sup> 4 (0.5 - 1.0 lb ai/A)	<p>Apply with air or ground equipment in a seasonal program in adequate water for uniform coverage (3 - 10 gals/A by air or 25 - 50 gals/A by ground).</p> <p>Begin applications when first pest activity is noticed and repeat as needed to maintain control, but not more often than every 7 days. Under severe pest pressure, use the higher recommended rates.</p> <p>Do not apply within 50 days of harvest or after bolls open. Comply with all applicable directions, restrictions, phi's and precautions on the EPA registered labels for Monitor 4 Spray and <i>Danitol</i> 2.4 EC.</p> <p>Use a minimum application rate of 10-2/3 fl oz/A <i>Danitol</i> 2.4 EC (0.2 lb ai/A) in CA and AZ.</p>

continued

**COTTON** (continued)

CROP	PESTS	PRODUCT RATES FL OZ/A	SPECIAL INSTRUCTIONS
Cotton	Bandedwing Whitefly Bollworm Cabbage Looper Cotton Leafperforator Cutworm Fall Armyworm Fleahopper Pink Bollworm Plant Bug ( <i>Lygus</i> ) Silverleaf Whitefly Stinkbug Sweetpotato Whitefly Thrips Tobacco Budworm Twospotted Spider Mite (except CA)	8 - 16 (0.15 - 0.3 lb ai/A)  +  11 - 21 oz. Orthene® 75 S (0.5 - 1.0 lb ai/A)  or  9 - 16 oz. Orthene 90 S (0.5 - 1.0 lb ai/A) or  8 - 16 oz. Orthene® 97 (0.5 - 1.0 lb ai/A)	Apply with air or ground equipment in a seasonal program in adequate water for uniform coverage (3 - 10 gals/A by air (minimum 5 gals/A in CA) or 10 - 25 gals/A by ground).  For control of Pink Bollworm, Silverleaf Whitefly, and Sweetpotato Whitefly, tank mix <i>Danitol</i> 2.4 EC with Orthene 75 S, Orthene 90 S or Orthene 97 at indicated rates. Comply with all applicable directions, restrictions and precautions on the EPA registered labels for, Orthene 75 S, Orthene 90 S or Orthene. 97  <b>Stinkbugs and Cutworms:</b> Use Orthene 75 S at 16 oz/A or Orthene 90 S or Orthene 97 at 12 oz/A.  Use a minimum application rate of 10-2/3 fl oz/A <i>Danitol</i> 2.4 EC (0.2 lb ai/A) in CA and AZ.
	Do not apply within 21 days of harvest.		
	Do not exceed 2-2/3 pts. (42-2/3 fl oz, 0.8 lb ai) total application of <i>Danitol</i> 2.4 EC per acre per season. Do not feed gin trash or treated forage to livestock or allow animals to graze on treated fields.		

**SPRAY DRIFT RECOMMENDATIONS AND OTHER PRECAUTIONS FOR COTTON**

Do not make more than a total of 10 synthetic pyrethroid applications (of one product or combination of products) to a cotton crop in one growing season. Synthetic pyrethroid products include Ammo® Insecticide, Asana® XL Insecticide, Baythroid® Emulsifiable Pyrethroid Insecticide, Capture® Insecticide/Miticide, *Danitol*® 2.4 EC Spray Insecticide/Miticide, Decis®, Fury® Insecticide, Karate® Insecticide, Mustang® Insecticide and SynerGin™ 2.

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.

**TANK MIX APPLICATION OF *DANITOL* 2.4 EC INSECTICIDE/MITICIDE AND *SELECT MAX*® HERBICIDE FOR CONTROL OF INSECTS/MITES AND GRASS**

APPLICATION RATES/ACRE <sup>1</sup>			
PRODUCT	ANNUAL GRASSES	PERENNIAL GRASSES	ADJUVANT RATE (V/V) <sup>2</sup>
<i>Danitol</i> 2.4 EC Spray	10-2/3 to 16 fl oz	10-2/3 to 16 fl oz	See tank mix label for specific adjuvant recommendations
+	+	+	
<i>Select Max</i> Herbicide	9 to 16 fl oz	12 to 32 fl oz	

If grass regrowth occurs, or an additional flush of new grass emerges, make a second application of *Select Max* Herbicide alone (without *Danitol* 2.4 EC) according to the appropriate size and rate recommendations.

<sup>2</sup> Always use non-ionic surfactant at 0.25% v/v or COC/MSO at 1 qt/A or 1% v/v in the finished spray solution plus ammonium sulfate at 2.5 to 4.0 lbs/A..

## CUCURBITS

CROPS	PESTS	PRODUCT RATES FL OZ/A	SPECIAL INSTRUCTIONS
Cucurbits: Balsam Apple Balsam Pear Bitter Melon Chayote Chinese Cucumber Chinese Waxgourd Citron Melon Cucumber Edible Gourd Gherkin Honeydew <i>Momordica</i> spp. Muskmelon Pumpkin Summer Squash Watermelon Winter Squash	Banded Cucumber Beetle Beet Armyworm (CA and AZ only) Cabbage Looper Fall Armyworm Green Stinkbug Plant Bugs (Lygus) (except AZ) Southern Green Stinkbug Spider Mite (except CA) Striped Cucumber Beetle Yellowstriped Armyworm	10-2/3 - 16 (0.2 - 0.3 lb ai/A)	<p>Apply with air or ground equipment in adequate water for uniform coverage (3 - 10 gals/A by air or 20 - 100 gals/A by ground).</p> <p>Insect control may be improved by the addition of a non-ionic surfactant to the spray solution according to manufacturer's recommendation.</p> <p>Begin applications when first pest activity is noticed and repeat as needed to maintain control but not more often than every 7 days. Under severe pest pressure use the higher recommended rate.</p>
	Aphid Silverleaf Whitefly Sweetpotato Whitefly Thrips	10-2/3 - 16 (0.2 - 0.3 lb ai/A)  +  Endosulfan	<p>Apply as a tank mix with air or ground equipment in adequate water for uniform coverage (3 - 10 gals/A by air and 20 - 100 gals/A by ground). Begin applications when first pest activity is noticed and repeat as needed to maintain control but not more often than every 7 days. Under severe pest pressure use the higher recommended rate.</p> <p>Comply with all applicable directions, restrictions and precautions on the EPA registered label for Endosulfan.</p> <p>When <i>Danitol</i> 2.4 EC is applied in combination with an organophosphate insecticide, improved performance is achieved. In addition to enhanced performance, these combinations can control a broader spectrum of insects and can delay the development of insecticide resistance.</p>
<p>Do not apply <i>Danitol</i> 2.4 EC within 7 days of harvest.            Do not exceed 2 2/3 pts. (42-2/3 fl oz, 0.8 lb ai) total application of <i>Danitol</i> 2.4 EC per acre per season.</p>			



## FRUITING VEGETABLES

CROPS	PESTS	PRODUCT RATE FL OZ/A	SPECIAL INSTRUCTIONS
Fruiting Vegetables: Bell Pepper Chili Pepper Cooking Pepper Eggplant Ground Cherry ( <i>Physalis</i> spp.) Pepino Pimento Sweet Pepper Tomatillo Tomato	Fruitworm Green Stinkbug Southern Green Stinkbug Tobacco Hornworm Twospotted Spider Mite (except CA) Yellowstriped Armyworm	10-2/3 (0.2 lb ai/A)	Apply with ground or air equipment in adequate water for uniform coverage (25 - 120 gals/A by ground or 5 - 10 gals/A by air). Begin applications when first pest activity is noticed and repeat as needed to maintain control but not more often than every 7 days.  <b>Mites:</b> Treatment is recommended when mite populations are just beginning to build (less than 5 motiles/leaf).  DO NOT tank mix with any copper formulations.  <i>Danitol</i> 2.4 EC may be mixed with and/or alternated with commonly used insecticides and miticides to comply with local IPM programs.  <i>Danitol</i> 2.4 EC may be mixed with and/or alternated with commonly used insecticides and miticides to comply with local IPM programs.
Do not apply within 3 days of harvest Do not exceed 2 2/3 pts. (42-2/3 fl oz, 0.8 lb ai) total application of <i>Danitol</i> 2.4 EC per acre per season.			
Tomato	Aphid Silverleaf Whitefly Sweetpotato Whitefly Thrips	7 - 10-2/3 (0.15 - 0.2 lb. ai/A)  +  24 - 32 Monitor 4 (0.75 - 1.0 lb ai/A)	<b>EARLY SEASON WHITEFLY CONTROL PROGRAM FOR REDUCTION OF GEMINIVIRUS:</b> Apply as a tank mix with ground or air equipment in adequate water for uniform coverage (25 - 120 gals/A by ground or 5 - 10 gals/A by air). Begin applications when scouting first indicates adult whiteflies are on young plants.  <b>NOTE:</b> This may result in treatment immediately following transplanting.  <b>MID TO LATE SEASON WHITEFLY CONTROL PROGRAM FOR PREVENTION OF IRREGULAR FRUIT RIPENING:</b> Apply as a tank mix with ground or air equipment in adequate water for uniform coverage (25 - 120 gals/A by ground or a minimum of 5 gals/A by air). Begin applications when scouting indicates whiteflies are present and repeat as needed (approximately 10 - 14 day intervals) to maintain control but not more often than every 7 days.  Comply with all applicable directions, restrictions, preharvest intervals and precautions on Sec. 24 (c) labels (SLN) of Monitor 4.

continued

**FRUITING VEGETABLES (continued)**

CROP	PESTS	PRODUCT RATE FL OZ/A	SPECIAL INSTRUCTIONS
Tomato (continued)	Aphid Beet Armyworm Cabbage Looper Fruitworm Green Stinkbug Southern Green Stinkbug Thrips Tomato Pinworm Yellowstriped Armyworm Whitefly	10-2/3 (0.2 lb ai/A)  +  24 - 32 Monitor 4 Spray (0.75 - 1.0 lb ai/A)	Apply as a tank mix with ground or air equipment in adequate water for uniform coverage (25 - 120 gals/A by ground or 5 - 10 gals/A by air). Begin applications when first pest activity is noticed and repeat as needed to maintain control but not more often than every 7 days.  Comply with all applicable directions, restrictions, preharvest intervals and precautions on Sec. 24 (c) labels (SLN) of Monitor 4 Spray.
	Aphid Banded Wing Whitefly Beet Armyworm Fruitworm Greenhouse Whitefly (immatures & adults) Thrips Silverleaf Whitefly Sweetpotato Whitefly Tomato Pinworm Yellowstriped Armyworm	10-2/3 (0.2 lb ai/A)  +  6 - 8 Knack 0.86 EC (18 - 25 gms ai/A)  +  24 Monitor 4 Spray (0.75 lb ai/A)	THREE WAY TANK MIX  EARLY SEASON WHITEFLY CONTROL PROGRAM FOR REDUCTION OF GEMINIVIRUS: Apply as a tank mix with ground equipment for uniform coverage (10 - 120 gals/A). Make application when scouting first indicates adult whiteflies are on young plants.  <b>NOTE:</b> This may result in treatment immediately following transplanting.  MID TO LATE SEASON WHITEFLY CONTROL PROGRAM FOR PREVENTION OF IRREGULAR FRUIT RIPENING: Apply as a tank mix with ground equipment for uniform coverage (20 - 120 gals/A by ground). Make application when scouting indicates whiteflies are present.  Make no more than 2 Knack 0.86 EC applications per season with no less than 14 days between applications.  Comply with all applicable directions, restrictions and precautions on the registered labels for Monitor 4 Spray and Knack 0.86 EC.
<p>Do not apply within 3 days of harvest.            Do not apply the <i>Danitol</i> 2.4 EC + Monitor 4 Spray tank mix within 7 days of harvest.            Do not apply the <i>Danitol</i> 2.4 EC + Knack 0.86 EC + Monitor 4 tank mix within 14 days of harvest.            Do not exceed 2 2/3 pts (42-2/3 fl oz, 0.8 lb ai) total application of <i>Danitol</i> 2.4 EC per acre per season.</p>			

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## GRAPE

CROP	PESTS	PRODUCT RATES FL OZ/A	SPECIAL INSTRUCTIONS
Grape	Eastern Grape Leafhopper Grape Flea Beetle Grape Leaf Skeletonizer Potato Leafhopper Variegated Grape Leafhopper Western Grape Leafhopper	5-1/3 – 10-2/3 (0.1 - 0.2 lb ai/A)	<p>Apply as a full coverage spray in 25 - 200 gals of water per acre. Start sprays when pest activity begins and repeat as needed to maintain control but not more often than every 7 days. When pest pressure is moderate or severe use the higher recommended rate.</p> <p><b>Resistance Management:</b> It is generally recommended that no more than 2 <i>Danitol</i> 2.4 EC applications be made per season as part of a Resistance Management Program. Use non-pyrethroid products at other timings to control pests.</p> <p><i>Danitol</i> 2.4 EC may be tank mixed and/or alternated with other commonly used insecticides and miticides to comply with local IPM programs.</p> <p><b>Glassy-winged Sharpshooter:</b> Apply with air or ground equipment in 25 - 200 gals of water per acre.</p>
	Banded Grape Bug Climbing Cutworm European Red Mite (except CA) Glassy-winged Sharpshooter Grape Berry Moth Grape Cane Gallmaker Grape Leafroller Grape Phylloxera (foliar feeding form) Grasshopper Redlegged and Differential Japanese Beetle Lygocoris inconspicuous Omnivorous Leafroller Orange Tortrix Plume Moth Red Banded Leafroller Rose chafer Spider Twospotted Spider Mite (except CA)	10-2/3 – 21-1/3 (0.2 - 0.4 lb ai/A)	
	Plum Curculio	16 – 21-1/3 (0.3 - 0.4lb ai/A)	
<p>Do not apply within 21 days of harvest. Do not exceed 2-2/3 pts (42-2/3 fl oz, 0.8 lb ai) total application of <i>Danitol</i> 2.4 EC per acre per season.</p>			

### HEAD AND STEM BRASSICA (Subgroup 5A)

CROPS	PESTS	PRODUCT RATES FL OZ/A	SPECIAL INSTRUCTIONS
Head and Stem Brassica: Broccoli Brussels Sprouts Cabbage Cauliflower Cavalo Broccolo Chinese Broccoli (gai lon) Chinese Cabbage (napa) Chinese Mustard Cabbage (gai choy) Kohlrabi	Cabbage Looper Imported Cabbageworm Yellowstriped Armyworm	10-2/3 - 16 (0.2 - 0.3 lb ai/A)	Apply with air or ground equipment in adequate water for uniform coverage (3 - 10 gals/A by air or 20 - 50 gals/A by ground). Use a minimum 25 gals/A for tank mixture with Orthene 75 S). Insect control may be improved by the addition of a non-ionic surfactant to the spray solution.  Begin applications when first pest activity is noticed and repeat as needed to maintain control but not more often than every 7 days. Under severe pest pressure use the higher recommended rate.
Brussels Sprouts Cauliflower	Cabbage Aphid Cabbage Webworm Diamondback Moth Green Peach Aphid Silverleaf Whitefly Southern Cabbageworm Sweetpotato Whitefly	10-2/3 - 16 (0.2 - 0.3 lb ai/A)  +  11 - 21 Orthene 75 S <sup>(1)</sup> (0.5 - 1.0 lb ai/A)  or  8 - 16 Orthene 97 <sup>(1)</sup> (0.5 - 1.0 lb ai/A)	Applications should be based on insect populations reaching economic thresholds as determined by the local county or State Extension Service. Control of young larvae (early instars) is generally more effective than older larvae.  <i>Danitol</i> 2.4 EC may be mixed with and/or alternated with commonly used insecticides and miticides to comply with local IPM programs.
Do not apply within 7 days of harvest. Do not exceed 2-2/3 pts (42-2/3 fl oz, 0.8 lb ai) total application of <i>Danitol</i> 2.4 EC per acre per season. Do not apply <i>Danitol</i> 2.4 EC tank mixed with Orthene within 14 days of harvest of Brussels sprouts or cauliflower.			

<sup>(1)</sup>Orthene is registered only on Brussels sprouts and cauliflower.

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**OLIVE**

<b>CROP</b>	<b>PEST</b>	<b>PRODUCT RATE FL OZ/A</b>	<b>SPECIAL INSTRUCTIONS</b>
Olive	Olive Fruit Fly	10-2/3 - 16 (0.2 - 0.3 lb ai/A)	Apply as a ground application in a minimum of 100 gallons of water per acre.  Make applications beginning when first pest activity is noticed and repeat as needed but not more often than every 14 days.  Under severe pest pressure use the higher recommended rate.
Do not apply within seven (7) days of harvest. Do not exceed 2-2/3 pts of <i>Danitol</i> 2.4 EC Spray (42-2/3 fl oz, 0.8 lb ai) total application of <i>Danitol</i> 2.4 EC per acre per season.			

**PEA (Succulent)**

<b>CROPS</b>	<b>PESTS</b>	<b>PRODUCT RATE FL OZ/A</b>	<b>SPECIAL INSTRUCTIONS</b>
Pea (Succulent including): English Pea Garden Pea Green Pea Pigeon Pea	Climbing Cutworm Green Stinkbug Looper Souther Green Stinkbug Thrips Twospotted spiderMite Whitefly	10 2/3 (0.2 lb ai/A)	Apply with air or ground equipment in adequate water for uniform coverage. Begin as a ground application in a minimum of 10 gals. of water per acre or as an aerial application in a minimum of 3 gals. of water per acre.  Begin applications when first pest activity is noticed and repeat as needed to maintain control but not more often than every 7 days.
Do not apply within 7 days of harvest. Do not exceed 2 2/3 pts. of <i>Danitol</i> 2.4 EC (42 2/3 fl. oz., 0.8 lb. ai) per acre per season.			

## PEANUT

CROP	PESTS	PRODUCT RATES FL OZ/A	SPECIAL INSTRUCTIONS
Peanut	Corn Earworm Fall Armyworm Twospotted Spider Mite	10-2/3 - 16 (0.2 - 0.3 lb ai/A)	Apply foliar with air or ground equipment in a seasonal program in adequate water for uniform coverage (5 - 10 gals./A by air or 10 - 50 gals/A by ground).
	Potato Leafhopper	6 - 10-2/3 (0.1 - 0.2 lb ai/A)	<p><b>Higher water volumes provide improved insect control.</b></p> <p>Insect control may be improved by the addition of a non-ionic surfactant to the spray solution according to manufacturer's recommendation.</p> <p><b>Twospotted Spider Mite:</b> Apply foliar with ground equipment only.</p> <p>Begin applications when first pest activity is noticed and repeat as needed to maintain control but not more often than every 7 days. Under severe pest pressure use the higher recommended rate.</p> <p><i>Danitol 2.4 EC</i> may be mixed with and/or alternated with commonly used insecticides and miticides to comply with local IPM programs.</p>
	Silverleaf Whitefly Sweetpotato Whitefly Thrips	10-2/3 - 16 (0.2 - 0.3 lb ai/A)  +  11 oz Orthene 75 S (0.5 lb ai/A)  or  8 oz Orthene 97 (0.5 lb ai/A)	<p>For control of Silverleaf Whitefly, Sweetpotato Whitefly and Thrips, tank mix <i>Danitol 2.4 EC</i> with Orthene 75 S or Orthene 97 at the indicated rates.</p> <p>In tank mix, comply with all applicable instructions, restrictions and precautions on the EPA registered labels for both <i>Danitol 2.4 EC</i> and Orthene 75 S or Orthene 97.</p>
<p>Do not apply within 14 days of digging.            Do not exceed 2 2/3 pts (42-2/3 fl oz, 0.8 lb ai) total application of <i>Danitol 2.4 EC</i> per acre per season.            Do not graze or feed treated peanut vine forage or dried hay within 14 days of the last application.            Do not tank mix with any copper containing products.            Not for use on peanuts in CA or NY.</p>			

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## POME FRUIT

CROP	PESTS	PRODUCT RATES FL OZ/A	SPECIAL INSTRUCTIONS
Pome Fruit: Apple Crabapple Loquat Mayhaw Quince	Potato Leafhopper Rosy Apple Aphid Spotted Tentiform Leafminer Tarnished Plant Bug White Apple Leafhopper	10-2/3 – 21-1/3 (0.2 - 0.4 lb ai/A)	<p>Begin applications at delayed dormant through first cover as common to the production area and the target pest.</p> <p>Apply by ground with airblast equipment as a full coverage spray and repeat as needed to maintain control but not more often than every 10 days.</p> <p><b>Resistance Management:</b>            It is generally recommended that no more than 2 <i>Danitol</i> 2.4 EC applications be made per season as part of a Resistance Management Program. Use non-pyrethroid products at other timings to control pests.</p> <p><b>Aphid Control:</b>            Timing of applications is critical in achieving control. Use prebloom spray timings for Rosy Apple Aphid and post bloom spray timings for Spirea Aphid as recommended by State or County Extension Service.</p> <p><b>Codling Moth:</b>            Make first application at Biofix + 250 degree days and repeat as needed to maintain control but not more often than every 10 days.</p> <p>Make pyrethroid insecticide applications according to local IPM programs and guidelines.</p> <p><b>Overwintering Pandemis and Obliquebanded leafrollers:</b>            Apply at pink stage of tree growth.</p>
	Apple Maggot Codling Moth European Apple Sawfly European Red Mite Green Fruitworm Green Stinkbug Japanese Beetle Lesser Appleworm Lygus Bugs Obliquebanded Leafroller Oriental Fruitmoth Pandemis Leafroller Periodical Cicada Plum Curculio Redbanded Leafroller Spirea Aphid Southern Green Stinkbugs Tufted Apple Budmoth Twospotted Spider Mite Variegated Leafroller	16 – 21-1/3 (0.3 - 0.4lb ai/A)	

continued

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**POME FRUIT** (continued)

CROP	PESTS	PRODUCT RATES FL OZ/A	SPECIAL INSTRUCTIONS
Pome Fruit: Pear Oriental Pear	Codling Moth Green Stink bug Pear Psylla Periodical Cicada Plant Bug (Lygus) Southern Green Stinkbug	16 – 21-1/3 (0.3 - 0.4 lb ai/A)	<p><b>Pear Psylla (Overwintering Adults):</b>            Apply in 75 - 400 gals/A by ground with airblast equipment in the dormant/delayed dormant period. Apply with a petroleum spray oil as recommended on the spray oil label.</p> <p><b>Codling Moth:</b>            Make first application at Biofix + 250 degree days and repeat as needed to maintain control but not more often than every 10 days.</p> <p><b>Resistance Management:</b>            It is generally recommended that no more than 2 <i>Danitol</i> 2.4 EC applications be made per season as part of Resistance Management Program. Use non-pyrethroid products at other timings to control pests.</p> <p><i>Danitol</i> 2.4 EC may be mixed with and/or alternated with commonly used insecticides and miticides to comply with local IPM and resistance management programs.</p>
<p>Do not apply within 14 days of harvest.            Do not exceed 2-2/3 pts (42-2/3 fl oz, 0.8 lb ai) total application of <i>Danitol</i> 2.4 EC per acre per season.            Do not apply as a ULV spray.            Do not feed or allow livestock to graze on cover crops from treated orchards.</p>			



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### STONE FRUIT

CROP	PESTS	PRODUCT RATE Fl. Oz./A	SPECIAL INSTRUCTIONS
<b>Stone Fruit</b> Such as Apricot Cherry Nectarine Peach Plum Prune	European Red Mite Green Fruitworm Green Stinkbug Navel Orangeworm Obliquebanded Leafroller Orange Tortrix Oriental Fruitmoth Peach Twig Borer Redbanded Leafroller Southern Green Stinkbug Twospotted Spider Mite Variegated Leafroller	10-2/3 – 21-1/3 (0.2 - 0.4 lb ai/A)	<p>Apply by ground in 100 - 400 gals./A with airblast equipment as a full coverage spray and repeat as-needed to maintain control but not more often than every ten (10) days. Coverage is essential for good control. Apply in sufficient water volume for tree size. Use of higher water volume will assure better coverage.</p> <p>Begin applications as common to the production area and the target pest.</p> <p><b>Resistance Management:</b>            It is generally recommended that no more than 2 DANITOL 2.4 EC applications be made per season as part of a Resistance Management program. Use non-pyrethroid products at other timings to control pests.</p> <p>Make pyrethroid insecticide applications according to local Integrated Pest Management (IPM) programs and guidelines.</p>
<p>Do not apply DANITOL 2.4 EC within 3 days of harvest.            Do not exceed 2-2/3 pts. (42-2/3 fl. oz., 0.8 lb. ai) total application of DANITOL 2.4 EC per acre per season.            Do not apply as an Ultra Low Volume (ULV) spray.            Do not feed or allow livestock to graze on cover crops from treated orchards.</p>			

## STRAWBERRY

CROP	PESTS	PRODUCT RATES FL OZ/A	SPECIAL INSTRUCTIONS
Strawberry	Lygus Spittle Bug Tarnished Plant Bug	10-2/3 (0.2 lb ai/A)	Apply with ground equipment in adequate water for uniform coverage (100 - 300 gals/A). Insect control may be improved by the addition of a non-ionic surfactant to the spray solution according to manufacturer's recommendation.  Alternate with other insecticides if retreatment is needed in less than 30 days to comply with local IPM programs.
	Fall Armyworm Strawberry Sap Beetle Twospotted Spider Mite Yellowstriped Armyworm Strawberry Bud Weevil (Strawberry Clipper)	16 - 21-1/3 (0.3 - 0.4 lb ai/A)	Apply with ground equipment in adequate water for uniform coverage (100 - 300 gals/A).  <b>Mites:</b> Apply as mites appear but before mite counts exceed 20/leaflet (eggs + motiles), repeat application no sooner than 30 days if warranted. Note: Best results are achieved when mite populations are low (treatment is recommended when mite populations are just beginning to build).  <b>Strawberry Bud Weevil:</b> Application timing is critical. Apply when blossom buds first become visible in the crown and the temperature approaches 65°F.  Alternate with other non-pyrethroid miticides if retreatment is needed in less than 30 days to comply with local IPM programs.
	Greenhouse Whitefly Iris Whitefly Silverleaf Whitefly Strawberry Whitefly Sweetpotato Whitefly	10-2/3 - 21-1/3 (0.2 - 0.4 lb ai/A) + 0.5 - 1.0 lb/A Lannate® SP  or  1 - 2 pt/A Lorsban® 4E  or  1 - 2 pt/A Malathion 8 EC	Apply with ground equipment in adequate water for uniform coverage (100 - 300 gal/A).  Alternate with other insecticides if retreatment is needed in less than 30 days to comply with local IPM programs.  Best results are achieved when whitefly populations are low. Begin applications when scouting first indicated adult whiteflies have been observed on strawberry plants.  Apply as a tank mix by ground for uniform coverage when scouting indicates whitefly are present. A second application may be made with a retreatment interval no less than 30 days.  Comply with all applicable directions, restrictions and precautions on the EPA registered label for Lannate SP, Lorsban 4 E or Malathion 8 EC.
<p>Do not apply within 2 days of harvest. Do not exceed more than 2 applications totaling 2-2/3 pts (42-2/3 fl oz, 0.8 lb ai) of <i>Danitol</i> 2.4 EC per acre to the same planting in 12 consecutive months.</p>			

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### TREE NUTS

CROPS	PESTS	PRODUCT RATE FL. OZ./A	SPECIAL INSTRUCTIONS
<b>Tree Nuts</b> Such as Almond Beechnut Brazil Butternut Cashew Chestnut Chinquapin Filbert (Hazelnut) Hickory Macadamia Pecan Pistachio Walnut	Codling Moth European Red Mite Green Fruitworm Green Stinkbug Leafroller Navel Orangeworm Obliquebanded Leafroller Twig Borer Pecan Nut Casebearer Plant Bug Redbanded Leafroller Shuckworm Southern Green Stinkbug Twospotted Spider Mite Variegated Leafroller	10-2/3 – 21-1/3 (0.2 – 0.4 lb ai/A)	<p>Apply by ground in 50 - 400 gals./A with airblast equipment as a full coverage spray and repeat as needed to maintain control but not more often than every 10 days. Coverage is essential for good control. Apply in sufficient water volume for tree size. Use of higher water volume will assure better coverage.</p> <p>Begin applications as common to the production area and the target pest.</p> <p><b>Codling Moth:</b> Make first application at Biofix + 250 degree days and repeat as needed to maintain control but not more often than every 10 days.</p> <p><b>Resistance Management:</b>            It is generally recommended that no more than two (2) DANITOL 2.4 EC applications be made per season as part of a Resistance Management program. Use non-pyrethroid products at other timings to control pests.</p> <p>Make pyrethroid insecticide applications according to local Integrated Pest Management (IPM) programs and guidelines.</p>
<p>Do not apply DANITOL 2.4 EC within 3 days of harvest.            Do not exceed 2-2/3 pts. (42-2/3 fl. oz., 0.8 lb. ai) total application of DANITOL 2.4 EC per acre per season.            Do not apply as an Ultra Low Volume (ULV) spray.            Do not feed or allow livestock to graze on cover crops from treated orchards.</p>			

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### TROPICAL AND SUB TROPICAL FRUIT (Inedible Peel)

CROPS	PESTS	PRODUCT RATES FL. OZ./A	SPECIAL INSTRUCTIONS
<b>Tropical and Subtropical Fruit (Inedible Peel)</b>  Avocado Canistel Mango Papaya Sapodilla Sapote Black Mamey Star Apple	Avocado Looper Avocado Thrips Brown Mite Mirads Persea Mite	16 – 21-1/3 (0.3 – 0.4 lb ai/A)	Apply as a ground application in a minimum of 100 gals. of water per acre. Application to avocado may be with aircraft in a minimum of 50 gallons of water per acre.  Make applications beginning when first pest activity is noticed and repeat as needed but not more often than every 14 days.  <b>Resistance Management:</b> <b>Avocado</b> - Do not make more than one pyrethroid application per season as part of a Resistance Management Program.  <b>Other crops</b> - Do not make more than two Danitol applications per season as part of a Resistance Management Program. Use non-pyrethroid products at other timings to control pests.
<ul style="list-style-type: none"> <li>• Do not exceed 2-2/3 pts. (42-2/3 fl. oz., 0.8 lb.ai) of DANITOL 2.4 EC Spray per acre per season.</li> <li>• Do not apply within 1 day of harvest.</li> </ul>			

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## STORAGE AND DISPOSAL

### PROHIBITIONS

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

### PESTICIDE STORAGE

Keep pesticide in original container.  
Keep container closed when not in use.  
Do not put concentrate or dilute into food or drink containers. Not for use or storage in or around the home.  
Do not store or transport near food or feed  
Store in a cool, dry place, out of direct sunlight.  
Protect from heat.  
Do not store at temperatures below 30°F.  
For help with any spill, leak, fire or exposure involving this material, call day or night 1-800-892-0099.

### PESTICIDE DISPOSAL

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### CONTAINER DISPOSAL

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

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