

59639-35

9-9-2004

11/21



**ACCEPTED**  
 SEP - 9 2004  
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 59639-35

**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 SIDE PANEL 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**

## 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.

#### NOTE 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 fenpropathrin.

### 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.

**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  $\geq$  14 mils, shoes plus socks and protective eyewear.

**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. Applications greater than 0.2 lbs ai/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 21½ 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 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**

In no event shall Valent or Seller be 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. THE EXCLUSIVE REMEDY OF THE BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF VALENT OR SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT OR, AT THE ELECTION OF VALENT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

**PROMPT NOTICE OF CLAIM**

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

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

**NO AMENDMENTS**

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

**TANK MIXES**

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

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

## **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 last. Agitate well. All applicable directions, restrictions and precautions on both the ORTHENE and DANITOL 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 AREAS SUCH AS LAKES, RESERVOIRS, RIVERS, PERMANENT STREAMS, MARSHES, OR NATURAL PONDS, ESTUARIES, AND COMMERCIAL FISH FARM PONDS.**

### **General precautions (aerial, ground and air-assisted/airblast applications):**

- All aerial, ground and air-assisted/airblast application equipment must be properly maintained and calibrated using water as carrier. Do not apply this product as an ultralow volume (ULV) spray, or in any carrier other than water.
- Do not cultivate within 10 ft. of the aquatic area so as to allow growth of a vegetative filter strip to alleviate drift and mitigate runoff.
- Use the largest droplet size consistent with pest control. Formation of very small drops may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible, and by avoiding excessive spray pressure. Do not increase spray volume by increasing spray pressure.
- Only make applications when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid applications when wind gusts approach 15 mph.
- Risk of exposure to aquatic areas, can be reduced by avoiding applications when wind direction is toward the aquatic areas.
- Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperature.

- 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.

#### **Aerial Applications**

- For aerial applications the spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of wing span or rotor diameter.
- Spray should be released at the lowest height consistent with good pest control and flight safety. Applications more than 10 ft. above the crop should be avoided.

#### **Additional spray drift precautions specific to air assisted (airblast, mist blower, etc.) applications to tree and vine crops (apple, citrus, grape, and pear):**

- Do not apply by air-assisted/airblast application at dormant, delayed-dormant, or early spring timing (no or little foliage present) within **250 feet** of lakes, reservoirs, rivers, permanent streams, marshes, or natural ponds, estuaries, and commercial fish farm ponds.
- Do not apply by air-assisted/airblast application to nondormant crops (foliage present) within **25 feet** of lakes, reservoirs, rivers, permanent streams, marshes, or natural ponds, estuaries, and commercial fish farm ponds.
- Spray the outside row inward using nozzles on the inward side only. Shut off nozzles when turning at the ends of rows. Further reduction of spray drift may be obtained by shutting the nozzles off (manually or automatically) when passing gaps between adjacent trees.
- Sprayer air deflectors and nozzle orientation should be adjusted to ensure that the spray pattern is properly directed toward the desired canopy location. Avoid spraying over the tops of trees by adjusting or turning off the top nozzles. Turn off as many nozzles as necessary to direct spray to small trees.

#### **Additional spray drift precautions specific to field crops (cotton, tomato, and strawberry, cucurbits, head and stem brassica, and peanuts):**

- Do not apply by ground within **25 ft.** of lakes, reservoirs, rivers, permanent streams, marshes, or natural ponds, estuaries, and commercial fish farm ponds.
- Do not apply by air within **150 ft.** of lakes, reservoirs, rivers, permanent streams, marshes, or natural ponds, estuaries, and commercial fish farm ponds.

### APPLE

CROP	PESTS	PRODUCT RATES FL. OZ./Acre	SPECIAL INSTRUCTIONS
Apple	Potato Leafhopper Rosy Apple Aphid Spotted Tentiform Leafminer Tarnished Plant Bug White Apple Leafhopper	10 $\frac{1}{2}$ - 21 $\frac{1}{2}$ (0.2 - 0.4 lb. ai/A)	Begin applications at delayed dormant through first cover as common to the production area and the target pest.  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.  <b>Resistance Management:</b> It is generally recommended that no more than two DANITOL applications be made per season as part of a Resistance Management Program. Use non-pyrethroid products at other timings to control pests.
	Apple Maggot Codling Moth European Apple Sawfly European Red Mite Green Fruitworm Japanese Beetle Lesser Appleworm Lygus Bugs Obliquebanded Leafroller Oriental Fruitmoth Pandemis Leafroller Plum Curculio Redbanded Leafroller Spirea Aphid Stinkbugs Tufted Apple Budmoth Twospotted Spider Mite Variegated Leafroller	16 - 21 $\frac{1}{2}$ (0.3 - 0.4lb. ai/A)	<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.  <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.  Make pyrethroid insecticide applications according to local IPM programs and guidelines.  <b>Overwintering Pandemis and Obliquebanded leafrollers:</b> Apply at pink stage of tree growth.

Do not exceed 2 $\frac{3}{4}$  pts. (42 $\frac{3}{4}$  fl. oz., 0.8 lb. ai) total application of DANITOL per acre per season.  
 Do not apply within 14 days of harvest.  
 Do not apply as a ULV spray.  
 Do not feed or allow livestock to graze on cover crops from treated orchards.



**CITRUS**

CROP	PESTS	PRODUCT RATES FL. OZ./Acre	SPECIAL INSTRUCTIONS
Citrus	Citrus Thrips (AZ & CA only)	21½ (0.4 lb. ai/A)	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.  <b>Resistance Management:</b> It is generally recommended that no more than one DANITOL application be made per season as part of a Resistance Management Program. Use non-pyrethroid products at other timings to control pests.
	Glassy-winged Sharpshooter	10¾ - 21½ (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 Weevils (adults only) Citrus Thrips (Outside AZ & CA) Flower Thrips Katydids Orchid Thrips Texas Citrus Mite Twospotted Spider Mite Yuma Mite	16 - 21½ (0.3 - 0.4 lb. ai/A)	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.  Use the higher DANITOL rate when pest pressure is severe.

(continued)

**CITRUS** (continued)

CROP	PESTS	PRODUCT RATES FL. OZ./Acre	SPECIAL INSTRUCTIONS
Citrus	Citrus Rust Mite	16 - 21½ (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 DANITOL 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).</p> <p>Avoid making applications if the temperature is 94°F. or above.</p> <p>Do not apply within one 1 day of harvest.</p> <p>Do not exceed 2½ pts. (42½ fl. oz., 0.8 lb. ai) total application of DANITOL per acre per season (21½ fl. oz./A in AZ or CA).</p> <p>Do not feed or graze livestock on treated grove cover crops.</p> <p>Additional pesticide sprays may be required to obtain season-long pest control. See Resistance Management Statement.</p>			

### COTTON

CROP	PESTS	PRODUCT RATES FL. OZ./Acre	SPECIAL INSTRUCTIONS
Cotton	<b>Beet Armyworm</b> <b>Bollworm</b> <b>Cotton Leafperforator</b> <b>Leafhopper</b> <b>Plant Bugs (Lygus)</b> (except AZ) <b>Saltmarsh Caterpillar</b> <b>Tobacco Budworm</b> <b>Twospotted Spider Mite</b> (except CA)	10½ - 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>DANITOL may be mixed with and/or alternated with commonly used insecticides to comply with local IPM programs.</p>
	<b>Cotton Aphid</b> (except CA) <b>Pink Bollworm</b> <b>Silverleaf Whitefly</b> <b>Sweetpotato Whitefly</b> <b>Western Flower Thrips</b>	8 - 16 (0.15 - 0.3 lb. ai/A) + 16 - 32 MONITOR® 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 DANITOL.</p> <p>Use a minimum application rate of 10½ fl. oz./A DANITOL (0.2 lb. ai/A) in CA and AZ.</p>

(continued)

**COTTON (continued)**

CROP	PESTS	PRODUCT RATES FL. OZ./Acre	SPECIAL INSTRUCTIONS
Cotton	Bandedwing Whitefly	8 - 16	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).
	Bollworm	(0.15 - 0.3 lb. ai/A)	
	Cabbage Looper		For control of Pink Bollworm, Silverleaf Whitefly, and Sweetpotato Whitefly, tank mix DANITOL 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
	Cotton Leafperforator	+	
	Cutworms		
	Fall Armyworm	11 - 21 oz.	
	Fleahoppers	ORTHENE®75 S	
	Pink Bollworm	(0.5 - 1.0 lb. ai/A)	
	Plant Bugs ( <i>Lygus</i> )	or	
	Silverleaf Whitefly		
	Stinkbugs	9 - 16 oz.	
	Sweetpotato Whitefly	ORTHENE 90 S	
	Thrips	(0.5 - 1.0 lb. ai/A)	
Tobacco Budworm	or		
Twospotted Spider Mite (except CA)	8 - 16 oz. ORTHENE 97 (0.5 - 1.0 lb. ai/A)	Use a minimum application rate of 10 ⅔ fl. oz./A DANITOL (0.2 lb. ai/A) in CA and AZ.	

Do not apply within 21 days of harvest.  
 Do not feed gin trash or treated forage to livestock or allow animals to graze on treated fields.  
 Do not exceed 2½ pts. (42⅔ fl. oz., 0.8 lb. ai) total application of DANITOL per acre per season.

**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, SCOUT X-TRA® 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 2 EC HERBICIDE FOR CONTROL OF INSECTS/MITES AND GRASS**

APPLICATION RATES/ACRE <sup>(1)</sup>			
PRODUCT	ANNUAL GRASSES	PERENNIAL GRASSES	CROP OIL CONCENTRATE (V/V) <sup>(2)</sup>
DANITOL 2.4 EC Spray	10⅔ to 16 fl. oz.	10⅔ to 16 fl. oz.	
+	+	+	1 %
SELECT 2 EC Herbicide	6 to 8 fl. oz.	8 to 16 fl. oz.	

<sup>(1)</sup>If grass regrowth occurs, or an additional flush of new grass emerges, make a second application of SELECT 2 EC Herbicide alone (without DANITOL) according to the appropriate size and rate recommendations.

<sup>(2)</sup>Always use a crop oil concentrate at the listed rate (but not less than 1 pt./A) in the finished spray volume.

## GRAPE

CROP	PESTS	PRODUCT RATES FL. OZ./Acre	SPECIAL INSTRUCTIONS
Grape	<b>Eastern Grape Leafhopper</b> <b>Grape Flea Beetle</b> <b>Grape Leaf Skeletonizer</b> <b>Potato Leafhopper</b> <b>Variiegated Grape Leafhopper</b> <b>Western Grape Leafhopper</b>	5½ - 10½ (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 two DANITOL applications be made per season as part of a Resistance Management Program. Use non-pyrethroid products at other timings to control pests.</p> <p>DANITOL 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>
	<b>Banded Grape Bug</b> <b>Climbing Cutworm</b> <b>European Red Mite</b> (except CA) <b>Glassy-winged Sharpshooter</b> <b>Grape Berry Moth</b> <b>Grape Cane Gallmaker</b> <b>Grape Leafroller</b> <b>Grape Phylloxera</b> (foliar feeding form) <b>Grasshoppers</b> <b>Redlegged and Differential</b> <b>Japanese Beetle</b> <b>Lygocoris inconspicuous</b> <b>Omnivorous Leafroller</b> <b>Orange Tortrix</b> <b>Plume Moth</b> <b>Red Banded Leafroller</b> <b>Rose chafer</b> <b>Spiders</b> <b>Twospotted Spider Mite</b> (except CA)	10½ - 21½ (0.2 - 0.4 lb. ai/A)	
Do not exceed 2½ pts. of DANITOL (42½ fl. oz., 0.8 lb. ai) per acre per season. Do not apply within twenty-one (21) days of harvest.			

(continued)

## HEAD AND STEM BRASSICA

CROPS	PESTS	PRODUCT RATES FL. OZ./Acre	SPECIAL INSTRUCTIONS
<b>Head and Stem Brassica</b> (Including Broccoli, Brussels Sprouts, Cabbage, Cauliflower, and related non-leafy brassica)	<b>Cabbage Looper</b> <b>Imported Cabbageworm</b> <b>Yellowstriped Armyworm</b>	10½ - 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.
<b>Brussels Sprouts</b> <b>Cauliflower</b>	<b>Cabbage Aphid</b> <b>Cabbage Webworm</b> <b>Diamondback Moth</b> <b>Green Peach Aphid</b> <b>Southern Cabbageworm</b> <b>Silverleaf Whitefly</b> <b>Sweetpotato Whitefly</b>	10½ - 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)	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.  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.  DANITOL 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 2½ pts. (42½ fl. oz., 0.8 lb. ai) total application of DANITOL per acre per season. Do not apply DANITOL 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.

## CUCURBITS

CROPS	PESTS	PRODUCT RATES FL. OZ./Acre	SPECIAL INSTRUCTIONS
<b>Cucurbits (Including but not limited to Chayote Chinese Waxgourd Cucumber Gherkin Edible Gourd Honeydews Momordica spp., Muskmelons Pumpkin Squash Watermelons)</b>	<b>Banded Cucumber Beetle Beet Armyworm (CA and AZ only) Cabbage Looper Fall Armyworm Green Stinkbug Plant Bugs (Lygus) (except AZ) Southern Green Stinkbug Spider Mites (except CA) Striped Cucumber Beetle Yellowstriped Armyworm</b>	10 $\frac{3}{4}$ - 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>
	<b>Aphids Silverleaf Whitefly Sweetpotato Whitefly Thrips</b>	10 $\frac{3}{4}$ - 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 DANITOL 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 DANITOL within 7 days of harvest. Do not exceed 2<math>\frac{3}{4}</math> pts. (42<math>\frac{3}{4}</math> fl. oz., 0.8 lb. ai) total application of DANITOL per acre per season.</p>			

## PEANUTS

CROP	PESTS	PRODUCT RATES FL. OZ./ Acre	SPECIAL INSTRUCTIONS
Peanuts	Corn Earworm Fall Armyworm Twospotted Spider Mite	10½ - 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).  <b>Higher water volumes provide improved insect control.</b>
	Potato Leafhopper	6 - 10½ (0.1 - 0.2 lb. ai/A)	Insect control may be improved by the addition of a non-ionic surfactant to the spray solution according to manufacturer's recommendation.  <b>Twospotted Spider Mite:</b> Apply foliar with ground equipment only.  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.  DANITOL may be mixed with and/or alternated with commonly used insecticides and miticides to comply with local IPM programs.
	Silverleaf Whitefly Sweetpotato Whitefly Thrips	10½ - 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)	For control of Silverleaf Whitefly, Sweetpotato Whitefly, and Thrips, tank mix DANITOL with ORTHENE 75 S or ORTHENE 97 at the indicated rates.  In tank mix, comply with all applicable instructions, restrictions and precautions on the EPA registered labels for both DANITOL and ORTHENE 75 S or ORTHENE 97.
<p>Do not apply within 14 days of digging.</p> <p>Do not graze or feed treated peanut vine forage or dried hay within 14 days of the last application.</p> <p>Do not exceed 2½ pts. (42½ fl. oz., 0.8 lb. ai) total application of DANITOL per acre per season.</p> <p>Do not tank mix with any copper containing products.</p> <p>Not for use on peanuts in CA or NY.</p>			



## PEAR

CROP	PESTS	PRODUCT RATES FL. OZ./Acre	SPECIAL INSTRUCTIONS
Pear	Codling Moth Pear Psylla Plant Bugs (Lygus) Stinkbugs	16 - 21½ (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 two DANITOL applications be made per season as part of Resistance Management Program. Use non-pyrethroid products at other timings to control pests.</p> <p>DANITOL 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 exceed 2½ pts. (42½ fl. oz., 0.8 lb. ai) total application of DANITOL per acre per season. Do not apply within 14 days of harvest. Do not apply as a ULV spray. Do not feed or allow livestock to graze on cover crops from treated orchards.</p>			

## STRAWBERRY

CROP	PESTS	PRODUCT RATES FL. OZ./Acre	SPECIAL INSTRUCTIONS
Strawberry	Lygus Spittle Bug Tarnished Plant Bug	10% (0.2 lb. ai/A)	<p>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.</p> <p>Alternate with other insecticides if retreatment is needed in less than 30 days to comply with local IPM programs.</p>
	Fall Armyworm Strawberry Sap Beetle Twospotted Spider Mite Yellowstriped Armyworm Strawberry Bud Weevil (Strawberry Clipper)	16 - 21½ (0.3 - 0.4 lb. ai/A)	<p>Apply with ground equipment in adequate water for uniform coverage (100 - 300 gals./A).</p> <p><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).</p> <p><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.</p> <p>Alternate with other non-pyrethroid miticides if retreatment is needed in less than 30 days to comply with local IPM programs.</p>

(continued)

### STRAWBERRY (continued)

CROP	PESTS	PRODUCT RATES FL. OZ./Acre	SPECIAL INSTRUCTIONS
Strawberry	Greenhouse whitefly Iris Whitefly Silverleaf Whitefly Sweetpotato whitefly Strawberry whitefly	<p style="text-align: center;">10<math>\frac{2}{3}</math> - 21<math>\frac{1}{2}</math> (0.2 - 0.4 lb. ai/A) + 0.5 - 1.0 lb./A LANNATE® SP</p> <p style="text-align: center;">or</p> <p style="text-align: center;">1 - 2 pt./A LORSBAN® 4E</p> <p style="text-align: center;">or</p> <p style="text-align: center;">1 - 2 pt./A MALATHION 8 EC</p>	<p>Apply with ground equipment in adequate water for uniform coverage (100 - 300 gal./A).</p> <p>Alternate with other insecticides if retreatment is needed in less than 30 days to comply with local IPM programs.</p> <p>Best results are achieved when whitefly populations are low. Begin applications when scouting first indicated adult whiteflies have been observed on strawberry plants.</p> <p>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.</p> <p>Comply with all applicable directions, restrictions and precautions on the EPA registered label for LANNATE SP, LORSBAN 4 E or MALATHION 8 EC.</p>
<p>Do not apply within 2 days of harvest. Do not exceed more than 2 applications totaling 2<math>\frac{2}{3}</math> pts. of DANITOL (42<math>\frac{2}{3}</math> fl. oz., 0.8 lb. ai) per acre to the same planting in 12 consecutive months.</p>			

## TOMATO

CROP	PESTS	PRODUCT RATES FL. OZ./Acre	SPECIAL INSTRUCTIONS
Tomato	Fruitworm Green Stinkbug Tobacco Hornworm Twospotted Spider Mite (except CA) Yellowstriped Armyworm	10% (0.2 lb. ai/A)	<p>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.</p> <p><b>Mites:</b> Treatment is recommended when mite populations are just beginning to build (less than 5 motiles/leaf).</p> <p>DO NOT tank mix with any copper formulations. DANITOL 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	7 - 10% (0.15 - 0.2 lb. ai/A)  +  24 - 32 MONITOR 4 (0.75 - 1.0 lb. ai/A)	<p><b>EARLY SEASON WHITEFLY CONTROL PROGRAM FOR REDUCTION OF GEMINIVIRUS:</b> Apply as a tank mix with ground or air equipment 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.</p> <p><b>NOTE:</b> This may result in treatment immediately following transplanting.</p> <p><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 whitefly are present and repeat as needed (approximately 10 - 14 day intervals) to maintain control but not more often than every 7 days.</p> <p>Comply with all applicable directions, restrictions, preharvest intervals, and precautions on Sec. 24 (c) labels (SLN) of MONITOR 4.</p>
	Beet Armyworm Cabbage Looper Fruitworms Potato Aphid Stinkbug Thrips Tomato Pinworm Yellowstriped Armyworm	10% (0.2 lb. ai/A)  +  24 - 32 MONITOR 4 (0.75 - 1.0 lb. ai/A)	<p>Apply as a tank mix with ground or air equipment 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.</p> <p>Comply with all applicable directions, restrictions, pre-harvest intervals, and precautions on Sec. 24 (c) labels (SLN) of MONITOR 4.</p>

Do not harvest tomatoes within 3 days of last DANITOL application.

Do not apply the DANITOL + MONITOR 4 tank mix within 7 days of harvest.

Do not exceed 2½ pts. (42% fl. oz., 0.8 lb. ai.) total application of DANITOL per acre per season.

## STORAGE AND DISPOSAL

### PROHIBITIONS

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

### 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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EPA Reg. No. 59639-35

EPA EST. No. 5905-GA-1; 66196-CA-01; 39578-TX-01