

71711-19

12/12/2013

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

CHEMICAL SAFETY  
AND POLLUTION PREVENTION

OFFICE OF

December 12, 2013

Marie Maks  
Nichino America, Inc.  
4550 New Linden Hill Road, Suite 501  
Wilmington, DE 19808

Subject: Notification to Change Number of Applications on Supplemental Label  
Fujimite® 5EC Miticide/Insecticide  
EPA Reg. No. 71711-19  
Your Submission Dated June 20, 2013  
Decision No: 480564

Dear Ms. Maks:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration (PRN) 98-10 dated June 20, 2013, for the abovementioned product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions contact Driss Benmhend at 703-308-9525 or by e-mail at: [Benmhend.driss@epa.gov](mailto:Benmhend.driss@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Mark Suarez".

Mark Suarez  
Product Manager 13, Insecticide Branch  
Registration Division (7504P)

Enclosure: *Label stamped "Accepted"*



United States  
**Environmental Protection Agency**  
 Washington, DC 20460

**Registration**  
**Amendment**  
 **Other**

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number 71711-19	2. EPA Product Manager Mark Suarez	3. Proposed Classification  <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) FujiMite Miticide/Insecticide ABN: Portal	PM# 13	
5. Name and Address of Applicant (Include Zip Code) Nichino America Inc. 4550 New Linden Hill Road Suite 501 Wilmington, DE 19808 <input type="checkbox"/> Check if this is a new address	6. <b>Expedited Review.</b> In accordance with FIFRA Section 3(c)(3)(b)(I), my product is similar or identical in composition and labeling to: EPA Reg. No. : Product Name :	

**Section - II**

<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated Dec. 4, 2012
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**Explanation: NOTIFICATION**

"Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR § 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statements to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR § 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA."  
 Attachments: 2 copies of label, identified as D-149 030113, copy of label with changes highlighted; letter M.A. Maks to M. Suarez, dated March 4, 2013

**Section - III**

**1. Material This Product Will Be Packaged In:**

Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" No. per Unit Packaging wgt. container	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" No. per Package wgt. container	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) HDPE lined bags
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\* Certification must be submitted

3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) Retail Container 250 gallons	5. Location of Label Directions <input type="checkbox"/> On Label <input checked="" type="checkbox"/> On Labeling accompanying product
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6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled	<input checked="" type="checkbox"/> Other adhesive backed label
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**Section - IV**

**1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)**

Name Marie A. Maks	Title Senior Manager, Regulatory Affairs	Telephone No. (Include Area Code) (302) 636-9001 Extension 203
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<p><b>Certification</b></p> <p>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.</p>		<p>6. Date Application Received  (Stamped)</p>
2. Signature <i>Marie A. Maks</i>	3. Title Senior Manager, Regulatory Affairs	
4. Typed Name Marie A. Maks	5. Date March 4, 2013	



GROUP 21A INSECTICIDE

**FUJIMITE® 5EC** miticide/insecticide

**ACTIVE INGREDIENT:**

Fenpyroximate: *tert*-butyl(E)- $\alpha$ -(1,3-dimethyl-5-phenoxy-pyrazol-4-ylmethyleneaminoxy)-p-toluate .....5.0%

**OTHER INGREDIENTS\*:** .....95.0%

**TOTAL** .....100.0%

Contains 0.4 lb. active ingredient per U.S. gallon

\*Contains petroleum distillates

EPA Reg. No. 71711-19

EPA Est. No. 67545-AZ-1

**Marketing Brands:**

PORTAL® miticide/insecticide

Ortus Super miticide/insecticide

**KEEP OUT OF REACH OF CHILDREN  
WARNING - AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>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.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>Immediately call a poison control center or doctor.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give any liquid to the person.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
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 1-800-348-5832 for emergency medical treatment information. In case of fire or spills, information may be obtained by calling 1-800-424-9300.	
<b>NOTE TO PHYSICIAN:</b> Contains petroleum distillates. Vomiting may cause aspiration pneumonia. Probable mucosal damage may contraindicate the use of gastric lavage.	

NET CONTENTS:

**NOTIFICATION**

Active Ingredient Made in Japan; Formulated and Packaged in U.S.A. for

**NICHINO AMERICA, INC.**  
4550 New Linden Hill Road  
Wilmington, DE 19808  
1-888-740-7700

DEC 13 2013

**PRECAUTIONARY STATEMENTS**  
**Hazards to Humans and Domestic Animals**

**WARNING - AVISO**

Causes substantial but temporary eye injury. Harmful if inhaled or swallowed. Do not get in eyes or on clothing. Avoid contact with skin and breathing spray mist.

Wear long-sleeved shirt and long pants, socks, shoes, and chemical resistant gloves (such as barrier laminate or viton). Wear protective eyewear (safety glasses, goggles, or face shield).

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves (such as barrier laminate or viton)
- Protective eyewear (such as safety glasses, goggles, or face shield)
- Shoes plus socks
- For overhead exposure, wear chemical resistant headgear

When mixing and loading, wear a chemical-resistant apron. When cleaning equipment, wear a chemical-resistant apron.

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

**User Safety Recommendations**

Users should:

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.
- Remove and wash contaminated clothing before reuse.

**ENVIRONMENTAL HAZARDS**

This pesticide is very highly toxic to fish and aquatic invertebrates. For terrestrial uses, do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having medium to high potential for reaching both surface water and aquatic sediment via runoff for several weeks after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of this chemical from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Sound erosion control practices will reduce this product's potential to reach aquatic sediment via runoff.

**ENDANGERED SPECIES RESTRICTIONS**

This product may pose a hazard to endangered aquatic species. Follow all use directions.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

**Minimum Honey Bee Toxicity**

**Applications to all crops may be made at anytime. Fenpyroximate is practically nontoxic to bees and wasps when used according to this label.**

**DIRECTIONS FOR USE**

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

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 in your State 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 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls worn over short-sleeved shirt and short pants
- Socks
- Chemical-resistant footwear
- Protective eyewear (such as safety glasses, goggles, or face shield)
- Chemical-resistant gloves (such as barrier laminate or viton)

**GENERAL INFORMATION**

**FUJIMITE® 5EC** miticide/insecticide is used for the control of leafhoppers, mealybugs, mites, psylla, psyllids, and whiteflies. **FUJIMITE 5EC miticide/insecticide** stops mite feeding immediately after application. **FUJIMITE 5EC miticide/insecticide** controls all motile stages of mites by inhibiting cellular respiration in the mitochondrion of cells which results in rapid cessation of all biological activities including feeding and reproduction. Mortality of mites can be observed within 3-7 days after intoxication.

**FUJIMITE 5EC miticide/insecticide** works primarily through contact action, **so thorough spray coverage is necessary.** Mix with sufficient water and apply as a foliar spray to obtain uniform coverage. Dense foliage or excessive growth will often prevent adequate coverage; adjust spray volumes accordingly. Treat plants when pests are immature or at a susceptible stage and populations are building, before crop damage occurs.

Target Species	
Apple rust mite (suppression only)	Pacific spider mite
Asian citrus psyllid	Six spotted mite
Banks grass mite	Pear psylla
Broad mite	Pear rust mite
Carmine mite	Pecan leaf scorch mite
Citrus bud mite	Potato leafhopper
Citricola scale	Tomato (Potato) psyllid
Citrus leafminer (suppression only)	Powdery Mildew (suppression only)
Citrus red mite	Strawberry spider mite
Citrus rust mite	Texas citrus mite

Citrus thrips (suppression only)	Tomato russet mite
Cyclamen mite	Two-spotted spider mite
European red mite	Variegated leafhopper
Glassy-winged sharpshooter (suppression only)	White apple leafhopper
Grape leafhopper	Whiteflies
McDaniel mite	Willamette spider mite
Mealybug species	Persea mite
Mint bud mite	Avocado Brown mite

**APPLICATION DIRECTIONS**

- Applications should be made immediately after the spray solution is prepared.
- Apply with properly calibrated spray equipment.
- Apply by ground or air using the recommended water spray volume found in the Directions for Use section of this label.
- For aerial equipment, use larger droplet size (greater than 200 microns).
- Thorough spray coverage is essential for mite and insect control.
- For best results, apply when pest populations are beginning to build, before reaching economic thresholds. Consult your local agricultural advisor or state cooperative extension service for further information.

**USE OF ADJUVANTS**

When thorough coverage is a concern, it is recommended that a spray adjuvant be used to maximize uniformity of coverage and performance of FujiMite 5EC. Use a non-ionic activator type wetting, spreading or penetrating adjuvant or horticultural spray oil adjuvant. Do not use a dormant oil, or binder or sticker-type adjuvant. Non-ionic adjuvants (NIS) should contain at least 75% surfactant. Crop oil concentrates (COC), methylated seed or vegetable oils (MSO), organosilicone products (OS), or blends of these adjuvants should contain at least 15% emulsifier/surfactant. Check compatibility of any adjuvant used with FujiMite 5EC before using. Follow the Directions for Use on each adjuvant product label for rates of use and use restrictions.

**APPLICATION RESTRICTIONS**

- For all other use patterns, do not apply within 75 feet of fish-bearing waters.
- Use by air on citrus is limited to the states of Florida and Texas.
- For aerial use on citrus in Florida, do not apply within 150 feet of all aquatic areas.
- Do not use products with the same mode of action in consecutive applications.
- Do not plant rotational crops other than those listed on this label for 30 days following the last application of this product.
- Do not apply through any type of irrigation system.
- FujiMite and Portal Brands: Do not use in greenhouse structures.
- Do not apply by Alternate Row Middle (ARM) spray method.

**RESISTANCE MANAGEMENT**

Repeated use of the same chemistry has been shown to result in the buildup of resistant strains of mites or other insects. Do not use **FUJIMITE 5EC miticide/insecticide** in successive miticide applications. Rotate the use of **FUJIMITE 5EC Miticide/insecticide** with alternate mode of action insecticides:

- Miticides must be rotated with alternate products for resistance management. **Do not use products with the same mode of action [METI-2 inhibitor/IRAC Group 21A] in consecutive applications.**

Consult your local crop advisor for the most appropriate alternative products. Resistance management strategies recommend that you **DO NOT** apply rates lower than recommended on the label.

# Nichino America, Inc.

## MIXING DIRECTIONS

**FUJIMITE 5EC Miticide/Insecticide Alone:** Shake well before using. Begin with clean equipment. Fill spray tank with ¼ of the amount of water needed for the intended application and then turn on agitation. Pour recommended amount of product on the surface of water in the spray tank. Add the balance of the water to the spray tank with agitation running. Keep agitation running during filling and spraying operations. If spraying must be stopped before emptying the sprayer, resume agitation before spraying the remainder of the load.

**FUJIMITE 5EC Miticide/Insecticide Tank Mixtures:** Shake well before using. Read and follow all label directions for each tank mix product prior to any tank mixing with FUJIMITE 5EC miticide/insecticide. This product can be mixed with other registered pesticides for use on labeled crops or sites, in accordance with the most restrictive use directions and precautions. Follow all use directions as listed above under FUJIMITE 5EC Miticide/Insecticide Alone with the following exception: after the FUJIMITE 5EC miticide/insecticide is thoroughly mixed and the tank is ¾ full, add the recommended amount of wettable powder, soluble powder, flowable, emulsifiable concentrate, or soluble liquid product, while maintaining agitation. Then continue adding water to the tank to achieve the desired level, while maintaining agitation.

If you have no experience with the combination you are considering, you should conduct a test to determine physical compatibility. To determine physical compatibility, add the recommended proportions of each chemical with the same proportion of water, as will be present in the chemical supply tank, into a suitable container, mix thoroughly, and allow to stand for five minutes. If the combination remains mixed, or can be readily re-mixed, the mixture is considered physically compatible.

## SPRAY DRIFT REDUCTION MANAGEMENT

Avoid spray drift to all other crops and nontarget areas. Do not apply when weather conditions may cause drift. Do not allow this product to drift onto nontarget areas. Drift may result in illegal residues or injury to adjacent crops and vegetation. To avoid spray drift, DO NOT apply aerially when wind speed is greater than 10 mph or during periods of temperature inversions. Use of larger droplet size will also reduce spray drift.

### AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.

The interaction of equipment and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making decisions.

Droplet size, boom height, and wind speed are the primary factors determining drift. The specific application conditions required for the use of this product are described below.

### Controlling Droplet Size – General Techniques

#### Volume

Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.

#### Pressure

Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration. WHEN HIGHER FLOW RATES ARE NEEDED, USE A HIGHER-CAPACITY NOZZLE INSTEAD OF INCREASING PRESSURE.

#### Nozzle Type

Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.



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# Nichino America, Inc.

## Controlling Droplet Size – Aircraft Number of Nozzles

Use the minimum number of nozzles with the highest flow rate that provide uniform coverage.

## Nozzle Orientation

Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.

## Nozzle Type

Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

## Boom Height and Length – Ground and Aircraft

**Boom Height (ground):** Setting the boom at the lowest labeled height (if specified) which provides uniform coverage reduces the exposure of droplets to evaporation and wind. For ground equipment, the boom should remain level with the crop and have minimal bounce.

**Boom Height (aircraft):** Application more than 10 feet above the canopy increases the potential for spray drift.

**Boom Length (aircraft):** The minimum boom length should not exceed 3/4 of the wing length; using shorter booms decreases drift potential. For helicopters, the minimum boom length should not exceed 9/10 of the rotary blade to prevent droplets from entering the rotor vortices.

## Wind

Drift potential is lowest between wind speeds of 2-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given wind speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. **AVOID GUSTY OR WINDLESS CONDITIONS.** **Note:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect drift.

## Temperature and Humidity

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

## Temperature Inversions

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. This cloud can move in unpredictable directions due to the light and variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

## Sensitive Areas

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, nontarget crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

# Nichino America, Inc.

## Shielded Sprayers

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are preventing drift and not interfering with the uniform deposition of the product

## Air Assisted (Air Blast) Field Crop Sprayers

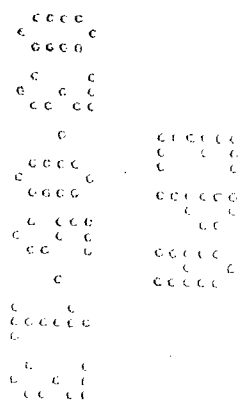
Air assisted field crop sprayers carry droplets to the target via a downward directed air stream. Some may reduce the potential for drift, but if a sprayer is unsuitable for the application and/or set up improperly, high drift potential can result. It is the responsibility of the applicator to determine that a sprayer is suitable for the intended application, is configured properly, and that drift is not occurring.

**Note:** Air assisted field sprayers can affect product performance by affecting spray coverage and canopy penetration. Consult the application equipment section of this label to determine if use of an air assisted sprayer is recommended.

## Air Assisted (Air Blast) Tree And Vine Sprayers

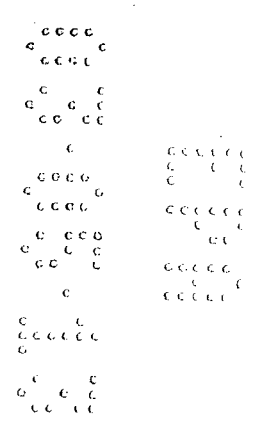
Air assisted tree and vine sprayers carry droplets into the canopy of trees and vines via a radially or laterally directed air stream. These sprayers are not suitable for applying herbicides. In addition to the general drift management practices already described, the following specific practices will further reduce the potential for drift:

- Adjust the deflectors and aiming devices so that spray is only directed into the canopy.
- Block off upward pointed nozzles when there is no overhanging canopy.
- Use only enough air volume to penetrate the canopy and provide good coverage. Do not allow spray to go beyond the edge of the cultivated area. Spray the outside row only from outside the planting.



**APPLICATION RATE CHART FOR  
FUJIMITE 5EC MITICIDE/INSECTICIDE**

Avocado, black sapote, canistel, mamey sapote, mango, papaya, sapodilla, and star apple		
Pest	Rate/Acre	Use Directions
Mites (see Target Species) Whiteflies	1.0 to 2.0 pints	<p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>• Apply by ground using a minimum of 95 gallons of water per acre or by air using a minimum of 50 gallons of water per acre.</li> <li>• Do not apply more than 4.0 pints per acre per growing season.</li> <li>• Do not make more than 2 applications per growing season.</li> <li>• Allow 14 days between applications.</li> <li>• Pre-harvest Interval (PHI): 1 day</li> <li>• Do not apply through any type of irrigation system.</li> </ul>



**CITRUS FRUITS (Crop Group 10-10)**

Australian desert lime; Australian finger-lime; Australian round lime; Brown River finger lime; calamondin; citron; citrus hybrids; grapefruit; Japanese summer grapefruit; kumquat; lemon; lime; Mediterranean mandarin; mount white lime; New Guinea wild lime; orange, sour; orange, sweet; pummelo; Russell River lime; satsuma mandarin; sweet lime; tachibana orange; Tahiti lime; tangelo; tangerine (mandarin orange, clementine); tangor; trifoliate orange; uniq fruit; cultivars, varieties, and/or hybrids of these

Pest	Rate/Acre	Use Directions
Citrus rust mite	4.0 pints	<p><b>USE RESTRICTIONS</b>                      All geographies:</p> <ul style="list-style-type: none"> <li>• Apply by ground using a minimum of 100 gallons of water per acre. For full size trees, use a minimum of 200 gallons of water per acre.</li> <li>• Apply by air using a minimum of 10 gallons of water per acre.</li> <li>• For aerial use in Florida, do not apply within 150 feet of all aquatic areas.</li> <li>• Do not apply more than 4.0 pints per acre per growing season.</li> <li>• Do not make more than 2 applications per growing season.</li> <li>• Allow 14 days between applications.</li> <li>• Pre-harvest Interval (PHI): 14 days</li> <li>• Do not apply to citrus nurseries or citrus in greenhouses.</li> <li>• Do not apply through any type of irrigation system.</li> </ul>
Asian citrus psyllid <sup>1</sup> Citrus thrips (suppression only) Citrus leafminer (suppression only) Leafhoppers Mealybugs Other Mites (see Target Species)	2.0 to 4.0 pints	<p>West of the Mississippi River:</p> <ul style="list-style-type: none"> <li>• Do not apply more than 8.0 pints per acre per growing season.</li> <li>• Do not apply by air except in Texas.</li> <li>• Apply by air in a minimum of 10 gallons of water in Texas.</li> <li>• In California, for control of citricola scale, apply by ground using 500 gallons of water.</li> </ul>

<sup>1</sup>For best results, use for control of adults and nymphs present at time of application when newly expanding foliage flush is present.

COTTON		
Pest	Rate/Acre	Use Directions
Mites (see Target Species)	<b>Early season<sup>1</sup></b> (when cotton is less than 10-inches in height)  0.4 to 1.0 pints <sup>2</sup>	<b>USE RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• Apply by ground using a minimum of 10 gallons of water per acre or by air using a minimum of 3 gallons of water per acre. As canopy density increases use of higher water volume will assure better coverage.</li> <li>• Do not apply more than 2.0 pints per acre per growing season.</li> <li>• Do not make more than 2 applications per growing season.</li> <li>• Allow 14 days between applications.</li> <li>• Pre-harvest Interval (PHI): 14 days</li> <li>• Do not apply through any type of irrigation system.</li> </ul>
	<b>Mid-season</b> (when cotton is more than 10-inches in height)  1.0 pint by ground  1.0 to 2.0 pints by air	
Whiteflies	2.0 pints	

<sup>1</sup> For early season use, when cotton is less than 10 inches in height, FUJIMITE 5EC Miticide/insecticide may also be applied as a directed spray using ground spray equipment.

<sup>2</sup> When applying by ground equipment apply as a directed spray for best results.

CUCUMBERS		
Pest	Rate/Acre	Use Directions
Mites (see Target Species) Tomato/Potato Psyllid Whiteflies	1.0 to 2.0 pints	<b>USE RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• Apply by ground using a minimum of 40 gallons of water per acre or by air using a minimum of 10 gallons of water per acre.</li> <li>• Do not apply more than 4.0 pints per acre per crop cycle.</li> <li>• Do not make more than 2 applications per crop cycle.</li> <li>• Allow 14 days between applications.</li> <li>• Pre-harvest Interval (PHI): 1 day</li> <li>• Do not apply through any type of irrigation system.</li> </ul>

**Nichino America, Inc.**

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<b>FIELD CORN, POP CORN, SILAGE CORN, SEED CORN (limited to States of California, Colorado, Hawaii, Kansas, New Mexico, Oklahoma, and Texas)</b>		
<b>Pest</b>	<b>Rate/Acre</b>	<b>Use Directions</b>
Mites (see Target Species)	1.0 to 2.0 pints	<b>USE RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• Apply by ground application using a minimum of 10 gallons of water per acre or by air using a minimum of 5 gallons of water per acre.</li> <li>• Do not apply more than 4.0 pints per acre per crop cycle.</li> <li>• Do not make more than 2 applications per crop cycle.</li> <li>• Allow 14 days between applications.</li> <li>• Pre-harvest Interval (PHI): 14 days for forage, silage, stover, and grain.</li> <li>• Do not apply through any type of irrigation system.</li> </ul>

<b>FRUITING VEGETABLES (Crop Group 8-10)</b>		
<b>African eggplant; bush tomato; bell pepper; cocona; currant tomato; eggplant; garden huckleberry; goji berry; groundcherry; martynia; naranjilla; okra; pea eggplant; pepino; nonbell pepper; roselle; scarlet eggplant; sunberry; tomatillo; tomato; tree tomato; cultivars, varieties, and/or hybrids of these</b>		
<b>Pest</b>	<b>Rate/Acre</b>	<b>Use Directions</b>
Mites (see Target Species) Tomato/Potato Psyllid Whiteflies	2.0 pints	<b>USE RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• Apply by ground using a minimum of 20 gallons of water per acre or by air using a minimum of 5 gallons of water per acre.</li> <li>• Do not apply more than 4.0 pints per acre per crop cycle.</li> <li>• Do not make more than 2 applications per crop cycle.</li> <li>• Allow 14 days between applications.</li> <li>• Pre-harvest Interval (PHI): 1 day</li> <li>• Do not apply through any type of irrigation system.</li> </ul>

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<b>GRAPES</b> Raisin, Table, Wine		
<b>Pest</b>	<b>Rate/ Acre</b>	<b>Use Directions</b>
Mites (see Target Species) Mealybugs Powdery Mildew (suppression)	2.0 pints	<b>USE RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• Apply by ground using a minimum of 50 gallons of water per acre.</li> <li>• For vines with a heavy canopy, or in high pressure situations, higher water volumes are recommended. If lower water volume amounts are used, tractor speed must be reduced to ensure complete coverage.</li> <li>• Do not apply by air.</li> <li>• Do not apply more than 2.0 pints per acre per growing season.</li> <li>• Do not make more than 2 applications per growing season.</li> <li>• Allow 14 days between applications.</li> <li>• Pre-harvest Interval (PHI): 14 days</li> <li>• Do not apply through any type of irrigation system.</li> </ul>
Willamette spider mite	1.5 to 2.0 pints	
Leafhoppers	1.0 to 2.0 pints <sup>1</sup>	

<sup>1</sup> Use higher rate for dense foliage. Best control of leafhoppers is achieved by applications when majority of the population is in an immature development stage.

<b>HOPS*</b>		
<b>Pest</b>	<b>Rate/ Acre</b>	<b>Use Directions</b>
Mites (see Target Species)	2.0 to 3.0 pints	<b>USE RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• Apply by ground using a minimum of 100 gallons of water per acre.</li> <li>• Do not apply more than 3.0 pints of product per acre per growing season.</li> <li>• Do not apply by air.</li> <li>• Allow 14 days between applications.</li> <li>• Pre-harvest Interval (PHI): 15 days</li> <li>• Do not apply through any type of irrigation system.</li> </ul> <b>RECOMMENDATIONS</b> <ul style="list-style-type: none"> <li>• For best results, apply before mite populations exceed 5 mites per leaf.</li> </ul>

**\*NOTE:** Leaf yellowing may occur when FUJIMITE 5EC miticide/ insecticide is combined with spray oil in excess of 1% of the spray volume. If this symptom occurs, it is usually more pronounced on newly expanding leaves. This symptom may occur in plants under stress and is worsened by certain conditions including the following:

- High Temperatures (air temperatures exceeding 90°F at the time of application or within a few days after application).
- Wet soil conditions and high humidity (rainy, misty, or foggy weather within a few days after application).
- Storm damage (including hail and wind).

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<b>LOW-GROWING BERRY (Crop Subgroup 13-07G)* EXCEPT CRANBERRIES</b> bearberry; bilberry; blueberry, lowbush; cloudberry; lingonberry; muntries; partridgeberry; strawberry; cultivars, varieties, and/or hybrids of these		
<b>Pest</b>	<b>Rate/Acre</b>	<b>Use Directions</b>
Mites (see Target Species) Whiteflies	1.0 to 2.0 pints	<b>USE RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• Apply by ground application using a minimum of 25 gallons of water per acre.</li> <li>• Do not apply by air.</li> <li>• Do not apply more than 4.0 pints per acre per crop cycle.</li> <li>• Do not make more than 2 applications per crop cycle.</li> <li>• Allow 14 days between applications.</li> <li>• Pre-harvest Interval (PHI): 1 day</li> <li>• Do not apply through any type of irrigation system.</li> </ul>
<p><b>*NOTE: Temporary pinking of immature green berries may be observed after a Fujimite application on certain strawberry varieties. This effect is transient and does not affect fruit sizing, color or quality. Avoid puddling of spray solution on plastic mulch as this can potentially result in underside scarring of fruit in direct contact with the plastic.</b></p>		

<b>MELONS (Crop Subgroup 9A)</b> muskmelon, including hybrids and/or varieties of <i>Cucumis melo</i> (including true cantaloupe, cantaloupe, casaba, Santa Claus melon, crenshaw melon, honeydew melon, honey balls, Persian melon, golden pershaw melon, mango melon, pineapple melon, snake melon); citron melon; and watermelon, including hybrids and/or varieties of ( <i>Citrullus spp.</i> )		
<b>Pest</b>	<b>Rate/Acre</b>	<b>Use Directions</b>
Mites (see Target Species) Whiteflies	2.0 pints	<b>USE RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• Apply by ground application using a minimum of 20 gallons of water per acre.</li> <li>• Do not apply by air.</li> <li>• Do not apply more than 4.0 pints per acre per crop cycle.</li> <li>• Do not make more than 2 applications per crop cycle.</li> <li>• Allow 14 days between applications.</li> <li>• Pre-harvest Interval (PHI): 3 days</li> <li>• Do not apply through any type of irrigation system.</li> </ul>



MINT (peppermint, spearmint)		
Pest	Rate/Acre	Use Directions
Mites (see Target Species)	1.0 to 2.0 pints	<p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>• Apply by ground using a minimum of 25 gallons of water per acre.</li> <li>• Do not apply by air.</li> <li>• Do not apply more than 4.0 pints per acre per growing season.</li> <li>• Do not make more than 2 applications per growing season.</li> <li>• Allow 7 days between applications.</li> <li>• Pre-harvest Interval (PHI): 1 day</li> <li>• Do not apply through any type of irrigation system.</li> </ul>

NONBEARING DECIDUOUS FRUIT, TREE NUT, AND VINES		
Pest	Rate/Acre	Use Directions
Leafhoppers Mealybugs Mites (see Target Species)	1.0 to 2.0 pints	<p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>• Apply by ground using a minimum of 75 gallons of water per acre.</li> <li>• Do not apply by air.</li> <li>• Do not apply more than 2.0 pints per acre per growing season.</li> <li>• Do not make more than 2 applications per growing season.</li> <li>• Allow 14 days between applications.</li> <li>• Do not harvest edible crops for 12 months following application unless the crop is listed on the label.</li> <li>• Do not apply to citrus nurseries or citrus in greenhouses.</li> <li>• Do not apply through any type of irrigation system.</li> </ul>

NONBEARING DECIDUOUS FRUIT, TREE NUT, AND VINES		
Pest	Rate/Acre	Use Directions
Leafhoppers Mealybugs Mites (see Target Species)	2.0 pints	<p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>• Apply by ground using a minimum of 75 gallons of water per acre.</li> <li>• Do not apply by air.</li> <li>• Do not apply more than 2.0 pints per acre per growing season.</li> <li>• Do not make more than 1 application per growing season.</li> <li>• Do not harvest edible crops for 12 months following application unless the crop is listed on the label.</li> <li>• Do not apply to citrus nurseries or citrus in greenhouses.</li> <li>• Do not apply through any type of irrigation system.</li> </ul>

Ornamentals		
Pest	Rate/Acre	Use Directions
Leafhoppers Mealybugs Mites (see Target Species)	1.0 to 2.0 pints	<b>USE RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• Apply by ground using a minimum of 50 gallons of water per acre.</li> <li>• Do not apply by air.</li> <li>• Do not apply more than 2.0 pints per acre per growing season.</li> <li>• Allow 14 days between applications.</li> <li>• Do not apply to citrus nurseries or citrus in greenhouses.</li> <li>• Do not apply through any type of irrigation system.</li> </ul>

**POME FRUITS (Crop Group 11-10)**  
 Apple; azarole; crabapple; loquat; mayhaw; medlar; pear; pear, Asian; quince, Chinese; quince, Japanese; tejocote; cultivars, varieties, and/or hybrids of these

Pest	Rate/Acre	Use Directions
Leafhoppers Mealybugs Mites (see Target Species)	1.0-2.0 pints	<b>USE RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• Apply by ground using a minimum of 100 gallons of water per acre.</li> <li>• Do not apply by air.</li> <li>• Do not apply more than 2.0 pints per acre per growing season.</li> <li>• Do not make more than 2 applications per growing season.</li> <li>• Allow 14 days between applications.</li> <li>• Pre-harvest Interval (PHI): 14 days</li> <li>• Do not apply through any type of irrigation system.</li> <li>• Do not apply by Alternate Row Middle (ARM) spray method.</li> </ul>
Leafhoppers Mealybugs Mites (see Target Species)  Pear psylla	2.0 pints	<b>USE RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• Apply by ground using a minimum of 100 gallons of water per acre.</li> <li>• Do not apply by air.</li> <li>• Do not apply more than 2.0 pints per acre per growing season.</li> <li>• Do not make more than 1 application per growing season.</li> <li>• Pre-harvest Interval (PHI): 14 days</li> <li>• Do not apply through any type of irrigation system.</li> <li>• Do not apply by Alternate Row Middle (ARM) spray method.</li> </ul>

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<b>Snap Beans</b>		
<b>Pest</b>	<b>Rate/Acre</b>	<b>Use Directions</b>
Mites (see Target Species) Whiteflies	2.0 pints	<b>USE RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• Apply by ground using a minimum of 30 gallons of water per acre or by air using a minimum of 5 gallons of water per acre.</li> <li>• Do not apply more than 4.0 pints per acre per crop cycle.</li> <li>• Do not make more than 2 applications per crop cycle.</li> <li>• Allow 14 days between applications.</li> <li>• Pre-harvest Interval (PHI): 1 day</li> <li>• Do not apply through any type of irrigation system.</li> </ul>

<b>ALMONDS AND PISTACHIOS (West of the Mississippi River)</b>		
<b>Pest</b>	<b>Rate/Acre</b>	<b>Use Directions</b>
Mites (see Target Species)	1.5 to 4.0 pints	<b>USE RESTRICTIONS</b> <b>WEST OF THE MISSISSIPPI RIVER</b> <ul style="list-style-type: none"> <li>• Apply by ground using a minimum of 100 gallons of water per acre.</li> <li>• Do not apply by air.</li> <li>• Do not apply more than 8.0 pints per acre per growing season.</li> <li>• Do not make more than 2 applications per growing season.</li> <li>• Allow 14 days between applications.</li> <li>• Pre-harvest Interval (PHI): 14 days</li> <li>• Do not apply through any type of irrigation system.</li> </ul>

<b>TREE NUTS (Crop Group 14) (West of the Mississippi River)</b> (excluding almonds and pistachios) Beech nut; Brazil nut; butternut; cashew; chestnut; chinquapin; filbert (hazelnut); hickory nut; macadamia nut; pecan; walnut, black and English		
<b>Pest</b>	<b>Rate/Acre</b>	<b>Use Directions</b>
Mites (see Target Species)	1.5 to 4.0 pints	<b>USE RESTRICTIONS</b> <b>WEST OF THE MISSISSIPPI RIVER</b> <ul style="list-style-type: none"> <li>• Apply by ground using a minimum of 100 gallons of water per acre.</li> <li>• Do not apply by air.</li> <li>• Do not apply more than 4.0 pints per acre per growing season.</li> <li>• Do not make more than 2 applications per growing season.</li> <li>• Allow 14 days between applications.</li> <li>• Pre-harvest Interval (PHI): 14 days</li> <li>• Do not apply through any type of irrigation system.</li> </ul>

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<b>TREE NUTS (Crop Group 14) and Pistachio</b>		
<b>Almond; beech nut; Brazil nut; butternut; cashew; chestnut; chinquapin; filbert (hazelnut); hickory nut; macadamia nut; pecan; pistachio; walnut, black and English</b>		
<b>Pest</b>	<b>Rate/Acre</b>	<b>Use Directions</b>
Mites (see Target Species)	2.0 pints	<p><b>USE RESTRICTIONS</b></p> <p><b>ALL GEOGRAPHIES</b></p> <ul style="list-style-type: none"> <li>• Apply by ground using a minimum of 100 gallons of water per acre.</li> <li>• Do not apply by air.</li> <li>• Do not apply more than 2.0 pints per acre per growing season.</li> <li>• Do not make more than 1 application per growing season.</li> <li>• Pre-harvest Interval (PHI): 14 days</li> <li>• Do not apply through any type of irrigation system.</li> </ul>

<b>GREENHOUSE CUCUMBERS</b>		
<b>Pest</b>	<b>Rate/Acre</b>	<b>Use Directions</b>
Mites (see Target Species) (Tomato) Potato Psyllid Whiteflies	1.0 to 2.0 pints	<p><b>USE RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>• Do not use products with the same mode of action in consecutive applications.</li> <li>• Apply by ground using a minimum of 40 gallons of water per acre.</li> <li>• Do not apply more than 4.0 pints per acre crop cycle.</li> <li>• Do not make more than 2 applications per crop cycle.</li> <li>• Do not make more than 4 applications per year.</li> <li>• Allow 14 days between applications.</li> <li>• Pre-harvest Interval (PHI): 1 day</li> <li>• Do not apply through any type of irrigation system.</li> <li>• Do not apply in Ultra Low Volume Equipment.</li> </ul> <p><b>RECOMMENDATIONS</b></p> <ul style="list-style-type: none"> <li>• Apply in sufficient water to obtain complete coverage of all plant parts. Applications may be made with high volume or low volume ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.</li> </ul>



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# Nichino America, Inc.

## STORAGE AND DISPOSAL

**Do not contaminate water, food, or feed by storage or disposal.**

**PESTICIDE STORAGE:** Store in a cool, dry place.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

### CONTAINER HANDLING:

#### (Non-refillable container equal to or less than 5 gallons)

Nonrefillable container. DO NOT reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by State or local authorities, by burning. If burned, stay out of smoke.

#### (Non-refillable container greater than 5 gallons)

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple Rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### (Refillable container greater than 5 gallons)

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## IMPORTANT: READ BEFORE USE

By using this product, user or buyer accepts the following conditions, warranty, disclaimer of warranties, and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be accurate and must be followed carefully. However, because of extreme weather and soil conditions, use methods and other factors beyond the control of Nichino America, Inc. (NAI), it is impossible for NAI to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. To the extent consistent with applicable law, all such risks are assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of NAI is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, NAI disclaims any liability whatsoever for incidental or consequential damages, including, but not limited to, liability arising out of breach of contract, express or implied warranty (including warranties of merchantability and fitness for a particular purpose), tort, negligence, strict liability, or otherwise.

