

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

300/5520478
17/39APRIL 8, 1997

Ms. Elizabeth J. Weibert
 Label & Registration Specialist
 VALENT U.S.A.
 1333 North California Blvd., Suite 600
 Post Office Box 8025
 Walnut Creek, California 94596-8025

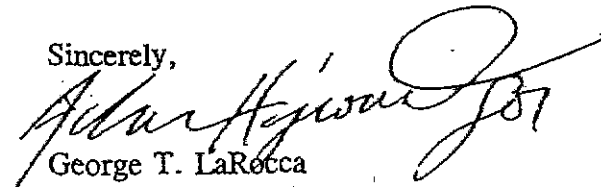
Dear Ms. Weibert:

Subject: Label Revision-Modification to Warranty Statement
 Clarification to Use Directions
 TAME 2.4 EC Spray
 EPA Registration Number 59639-77
 Amended Application Dated March 6, 1997

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Please note that amendments such as this (directions for use, warranty statements) are considered major amendments and therefore must be submitted to the product manager team for review.

Sincerely,



George T. LaRocca
 Product Manager 13
 Insecticide-Rodenticide Branch
 Registration Division (7505C)

Enclosure:

CONCURRENCES

SYMBOL								
SURNAME								
DATE								



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

TAME® 2.4 EC Spray
(INSECTICIDE-MITICIDE)

For Commercial Nonfood Use On Indoor and Outdoor Ornamental and Nursery Plantings

ACCEPTED
with COMMENTS
in EPA Letter Dated

APR 8 1997

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
59639-77

Active Ingredient	By Wt.
*Fenprothrin	30.9%
Inert Ingredients	69.1%
*(alpha-Cyano-3-phenoxybenzyl 2,2,3,3-tetramethyl- cyclopropanecarboxylate)	
Contains 2.4 pounds a.i. per gallon.	
This product contains Xylene Range Aromatic Solvent	

KEEP OUT OF REACH OF CHILDREN
DANGER - PELIGRO

SEE SIDE PANEL FOR STATEMENT OF PRACTICAL TREATMENT AND 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 CONTENTS 1 QUART

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

DANGER

Corrosive, causes irreversible eye damage. May be fatal if swallowed. Harmful if inhaled. Do not get in eyes on skin or clothing. Avoid breathing fumes or spray mist. Wear goggles or face shield. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

STATEMENT OF PRACTICAL TREATMENT

- If in eyes:** Call physician. Keep eyelids open and flush with a gentle steady stream of water for fifteen minutes.
- If swallowed:** Call a physician or Poison Control Center. Drink promptly a large quantity of milk, egg white or gelatin mixture, or if these are not available a large amount of water. **DO NOT INDUCE VOMITING.** Petroleum distillates in product may cause aspiration pneumonia.
- If on skin:** Wash thoroughly with soap and water. Get medical attention.
- If inhaled:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

Note to Physicians: Possible mucosal damages may contraindicate the use of gastric lavage. For Emergency Information Call 1-800-892-0099.

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, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water 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. USE STRICTLY IN ACCORDANCE WITH LABEL 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 restrictive-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.

CALIFORNIA SPECIFIC REQUIREMENTS FOR GREENHOUSE HARVESTERS AND OTHER PERSONNEL WORKING WITH TREATED ORNAMENTALS

Harvesters and other personnel performing tasks with foliage contact in treated areas within fourteen (14) days of application must wear a long-sleeved shirt, long pants, and shoes and socks.

Following treatment of ornamentals in greenhouses with the recommended rates of TAME, harvesters must wear gloves for seven (7) days following application.

**DISCLAIMER, CONDITIONS OF SALE,
LIMITED WARRANTY
AND LIMITATION OF LIABILITY**

IMPORTANT: Read the entire Label including this Disclaimer, Limited Warranty and Limitation of Liability before using this product. If the terms are not acceptable, return the unopened product within 15 days of purchase.

RISKS OF USING THIS PRODUCT

It is impossible to eliminate all risks associated with the use of this product. Such 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, injury caused by drift, and injury to rotational crops caused by carryover in the soil. Such risks of crop injury, non-performance or other unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, moisture conditions, irrigation practices, presence of other materials, cultural practices or the manner of use or application, all of which are factors beyond the control of Valent. All such risks shall be assumed by the Buyer. Valent shall not be responsible for losses or damages resulting from use of this product in any manner not set forth on the label. User 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 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 described above.

DISCLAIMER OF ALL OTHER WARRANTIES

VALENT MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. 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 EXCLUSIVE REMEDY OF THE USER OR 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 THIS PRODUCT.**

NO AMENDMENTS

Valent and Seller offer this product, and Buyer and User accept it, subject to the foregoing Disclaimer, Conditions of Sale, Limited Warranty and Limitation of Liability, which may not be modified by any oral or written agreement.

PROMPT NOTICE OF CLAIM

Valent must have prompt notice as soon as Buyer or User has reason to believe they may have a claim (not to exceed twenty-one days from date of application) so that an immediate inspection of the affected property and growing crops can be made. Unless Buyer and Users shall promptly notify Valent of any claims, they shall be barred from obtaining any remedy.

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.

DIRECTIONS

Do not apply this product using aircraft or through any type of irrigation system.

This product is for commercial, nonfood use only. TAME 2.4 EC Spray is intended for the control of the indicated insects and mites on indoor ornamental plantings in greenhouses, lath and shade houses, interiorscapes, and other ornamental plants, and on outdoor ornamental and nursery plantings in commercial nurseries and other landscaped areas.

Application Instructions: Apply specified dosage in sufficient water for complete coverage. Spray all foliage including underside of leaves. Repeat as needed to maintain control, but no more often than every seven (7) days. Under severe pest pressure, use the higher recommended rates and/or shorter spray intervals. Do not use less than a seven-day retreatment interval. TAME may be tank mixed and/or alternated with many commonly used insecticides, miticides and fungicides. See

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recommendations for rotating sprays for Sweetpotato/Silverleaf Whitefly control. Certain strains of whiteflies may be more susceptible to a TAME plus ORTHENE® tank mix.

Resistance management: For use in resistance management programs and to aid in preventing resistance, insecticides from other classes of chemistry such as organo phosphorus esters, N-methylcarbamates, or insect growth regulators should be included with or alternated with a TAME spray program. TAME is a pyrethroid, and other pyrethroid products are not considered alternate chemistry. Consult your state or area agricultural extension service for local resistance management strategies and advice on alternate insecticides.

Note: Since ornamental varieties are numerous, constantly changing, and may react differently to TAME, test the product on a small scale before making large-scale applications. High gallonage applications to certain chrysanthemum varieties may result in crop injury. Do not apply to chrysanthemums and roses with open flowers. Application of the TAME plus ORTHENE tank mix on poinsettias after bract formation may result in phytotoxicity on certain varieties.

SPRAY DRIFT PRECAUTIONS FOR OUTDOOR USE

TAME is extremely toxic to fish and aquatic invertebrates. Observe the following precautions when spraying outdoors in the vicinity of aquatic areas such as lakes; reservoirs; rivers; permanent streams, marshes, or natural ponds; estuaries; and commercial fish farm ponds.

- Do not apply within 25 feet of the aquatic areas listed above. When treating tall trees (> 15 feet) from the ground with high pressure sprays or during any application with air assisted equipment (mist blowers) do not apply within 150 feet of aquatic areas.
- Make applications when the wind velocity favors on-target deposition (approximately 3 to 10 mph). Do not apply when sustained winds or wind gusts exceed 15 mph.
- Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when the wind direction is towards the aquatic area.
- Low humidity and high temperatures increase the likelihood of spray drift to sensitive areas. Avoid spraying during conditions of low humidity and /or high temperature.
- Use the largest droplet size consistent with acceptable efficacy. Formation of very small droplets may be minimized by appropriate nozzle selection and by avoiding excessive spray pressure.
- Do not make applications during temperature inversions. Inversions are characterized by stable air and increasing temperature with height above 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.

When applying indoors, be particularly careful not to allow drift to containers or ornamental ponds containing valuable fish or invertebrates.

MIXING INSTRUCTIONS

TAME mixes readily with water. When tank mixing with ORTHENE Turf, Tree & Ornamental Spray, first mix the recommended amount of ORTHENE Turf, Tree & Ornamental Spray in the appropriate amount of water, then add the TAME last. Agitate well. All applicable directions, restrictions and precautions on the ORTHENE EPA registered label are to be followed.

Do not exceed 0.37 fl. oz. formulation per 1000 sq. ft. per application (equivalent to 16 fl. oz. per acre application) in greenhouse, shade and lath house treatments.

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

Ornamental Shrubs and Plants				
Crop	Pests	TAME Application Rate		Special Instructions
		Fl. Oz. per 100 Gals.	Fl. Oz. (lb. ai) per Acre	
Shrubs and Plants	European Red Mite Lacebugs Leafhoppers Spotted Tentiform Leafminer Greenhouse Whitefly	5½ to 10%	5½ to 10% (0.1 to 0.2)	May be tank mixed with ORTHENE Turf, Tree & Ornamental Spray ½ lb./100 gal. for greenhouse and shade and lath house use or ¼ lb. of product per acre for outdoor use.
	Two-Spotted Spider Mite Southern Red Mite (low to moderate mite pressure)	8 to 16	8 to 16 (0.15 to 0.3)	
	Black Vine Weevil Adults Beet Armyworm Japanese Beetle	10%	10% (0.2)	
	Mealybugs (including immature stages of the Citrus Mealybug)	16	16 (0.3)	
	Aphids	10% TAME + ½ to ¾ lb. ORTHENE Turf, Tree & Ornamental Spray	10% (0.2) TAME + ½ lb. ORTHENE Turf, Tree & Ornamental Spray	Tank mix with ORTHENE Turf, Tree & Ornamental Spray ½ lb./100 gal. for greenhouse and shade and lath house use or ¼ lb. of product per acre for outdoor use.
	Sweetpotato (Silverleaf) Whitefly Adults and Nymphs (includes all instars and transitional stages [pupae])	Apply TAME at 10 2/3 to 16 fl. oz./100 gal. plus ORTHENE Turf, Tree & Ornamental Spray at 1/3 lb./100 gal. for greenhouse and shade and lath house use. For outdoor use apply 10 2/3 to 16 fl. oz. per acre (0.2 to 0.3 lb. ai) of TAME plus ORTHENE Turf, Tree & Ornamental Spray 2/3 lb. per acre. Apply when adults and/or nymphs first appear. If a population of sweet-potato whitefly is well established, use the higher TAME rate in the tank mix followed by repeat applications of the tank mix no less than seven (7) days apart. Apply no more than three (3) successive applications before rotating to a non-pyrethroid/non-organophosphate insecticide to avoid the potential for resistance. If a tolerant strain of Sweetpotato Whitefly is present, treat with EPA labeled insecticides other than TAME plus ORTHENE.		

TREES				
Crop	Pests	TAME Application Rate		Special Instructions
		Fl. Oz. per 100 Gals.	Fl. Oz. (lb. ai) per Acre	
TREES Conifers Deciduous Non-deciduous Palms	European Red Mite San Jose Scale (crawlers) Spotted Tentiform Leafminer Thrips	5% to 10%	5% to 10% (0.1 to 0.2)	May be tank mixed with ORTHENE Turf, Tree and Ornamental Spray $\frac{1}{2}$ lb./100 gal. or per acre.
	Apple Aphid Leafminer Wooly Apple Aphid	5% to 10% TAME + $\frac{1}{2}$ lb. to $\frac{3}{4}$ lb. ORTHENE Turf, Tree and Ornamental Spray	5% to 10% (0.1 TO 0.2) TAME + $\frac{1}{2}$ lb. ORTHENE Turf, Tree and Ornamental Spray	Tank mix TAME 5% to 10% oz. plus ORTHENE Turf, Tree and Ornamental Spray $\frac{1}{2}$ lb./100 gal. for greenhouse and shade and lath house use. Tank mix with $\frac{1}{2}$ lb./acre ORTHENE for outdoor use.
	Twospotted Spider Mite Southern Red Mite (low to moderate mite pressure)	8 to 16	8 to 16 (0.15 to 0.3)	May be tank mixed with ORTHENE Turf, Tree and Ornamental Spray $\frac{1}{2}$ lb./100 gal. or per acre.
Non-Bearing Nursery Fruit Trees	Codling Moth Leafrollers European Red Mite McDaniel Mite Orange Tortrix Pandemis Moth Tarnished Plant Bug	5%	5% (0.1)	Apply beginning after petal fall or as needed. Do not apply within 6 months of fruitset that yields fruit which could be used for food or feed.
	Twospotted Spider Mite Southern Red Mite (low to moderate mite pressure)	8 to 16	8 to 16 (0.15 to 0.3)	

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.

Do not put concentrate or dilute into food or drink containers.

Not for use or storage in or around the home.

Do not store next to feed or food, or transport in or on vehicles containing foodstuffs or feeds.

Store in a cool, dry place.

Protect from heat.

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

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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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ORTHENE®- Reg. TM of Monsanto Company

Manufactured for

VALENT U.S.A. Corporation

Walnut Creek, CA 94596-8025

Made in U.S.A.

Form R04150E0.0970306

EPA Reg. No. 59639-77