

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DECEMBER 13, 1995

Dr. David A. Wustner
Senior Project Manager
Valent U. S. A.
1333 North California Blvd., Suite 600
Post Office Box 8025
Walnut Creek, California 94596-8025

Dear Dr. Wustner:

Subject: Label Amendment and Notification Amendment
TAME 2.4 EC Spray
EPA Registration Number 59639-77
Your Amendments Dated February 15, and August 17, 1995

The draft labeling referred to above dated August 17, 1995, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, section 3(c)(7)(A), is acceptable.

Due to the nature of your February 15, 1995 Notification Label changes, the submission has been processed as an amendment. We noted that the changes listed on this label have been incorporated in your August 17, 1995 amendment and therefore supersedes the February 15, 1995 amendment.

Submit three (3) copies of your final printed labeling. A stamped copy of the labeling is enclosed for your record.

Sincerely,

George T. LaRocca
Product Manager 13

Insecticide-Rodenticide Branch
Registration Division (7505C)

Enclosure:

CONCURRENCES

Table with 8 columns and 3 rows (SYMBOL, SURNAME, DATE) for recording concurrences.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS DANGER

Corrosive, causes potentially irreversible eye damage. Do not get in eyes, on skin, or clothing. Contact with skin can result in a temporary burning, tingling, or itching sensation. May be fatal if swallowed. Harmful if inhaled or absorbed through skin. 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. Immediately hold. Keep eyelids open and flush with a gentle steady stream of water for fifteen minutes.
- If swallowed:** Call a physician or Poison Control Center immediately. If medical advice cannot be obtained, drink promptly a large quantity of milk, egg white or gelatin mixture, or if these are not available a large amount of water. and take person and product container to the nearest emergency treatment facility. DO NOT INDUCE VOMITING. Petroleum distillates in product may cause aspiration pneumonia.
- If on skin:** Remove contaminated clothing and wash affected areas. 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.

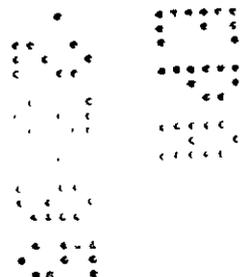
Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical-resistant gloves, such as Barrier Laminate or Viton 14≥ mils, shoes plus socks and protective eyewear.

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 ≥ 14 mils, shoes plus socks, and protective eyewear.



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

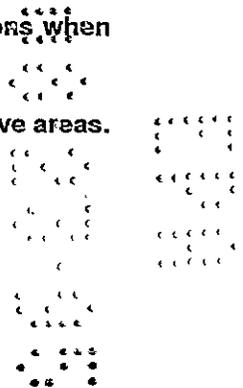
Resistance management: For use in resistance management programs and to aid in preventing resistance, insecticides from other classes of chemistry such as organo phosphorus esters, N-methyl-carbamates, or insect growth regulators should be included with or alternated with a TAME spray program. TAME is 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 outdoor 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.

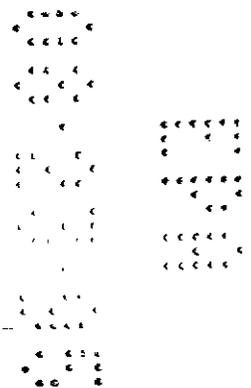
When applying indoors, be particularly careful not to allow drift to containers or ornamental ponds containing valuable fish or invertebrates.

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 square feet per application (equivalent to 16 fl. oz. per acre application) in greenhouse, shade and lath house treatments.

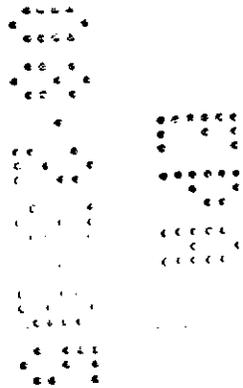
Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.



Ornamental Shrubs and Plants

Crop	Pests	TAME Application Rate		Special Instructions
		fl. oz. per 100 gal.	fl. oz. (lb. ai.) per acre	
Shrubs and Plants	European Red Mite, Lacebugs, Leafhoppers, Spotted Tentiform Leafminer, Greenhouse Whitefly	5% to 10%	5% to 10% (0.1 to 0.2)	May be tank mixed with ORTHENE Turf, Tree & Ornamental Spray 1/3 lb./100 gal. for greenhouse and shade and lath house use or 2/3 lb. of product per acre 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)	
	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 + 1/3 to 2/3 lb. ORTHENE Turf, Tree & Ornamental Spray	10% (0.2) TAME + 2/3 lb. ORTHENE Turf, Tree & Ornamental Spray	
	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 sweetpotato/silverleaf 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 ga.	fl. oz. (lb. ai.) per acre	
TREES Conifers Deciduous Non-deciduous Palms	European Red Mite, San Jose Scale (crawlers), Spotted Tentiform Leafminer, Thrips	5½ to 10%	5½ to 10% (0.1 to 0.2)	May be tank mixed with ORTHENE Turf, Tree and Ornamental Spray ¾ lb./100 gal. or per acre.
	Apple Aphid, Leafminer, Wooly Apple Aphid	5½ to 10% TAME + ½ lb. to ¾ lb. ORTHENE Turf, Tree and Ornamental Spray	5½ to 10% (0.1 TO 0.2) TAME + ¾ lb. ORTHENE Turf, Tree and Ornamental Spray	Tank mix TAME 5½ to 10% oz. plus ORTHENE Turf, Tree and Ornamental Spray ½ lb./100 gal. for greenhouse and shade and lath house use. Tank mix with ¾ 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 ¾ lb./100 gal. or per acre
Non-Bearing Nursery Fruit Trees	Codling Moth, Leafrollers, European Red Mite, McDaniel Mite, Orange Tortrix, Citrus Thrips Pandemis Moth, Tarnished Plant Bug	5½	5½ (0.1)	Apply beginning after petal fall or as needed. Do not apply within 6- months of potential food use fruit set.
	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 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.

IMPORTANT INFORMATION. READ BEFORE USING PRODUCT.

LIMITED WARRANTY: 1. Valent U.S.A. Corporation warrants that this product conforms to the chemical description on the label and is reasonably fit for use under average conditions when used strictly in accordance with the directions on the labeling. Valent does not make nor authorizes any agent or representative to make, any other warranty, guarantee or representation, express or implied, concerning this product. Specifically, **NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE IS MADE.**

2. Critical and unforeseeable factors beyond Valent's control prevent it from eliminating all risks in connections with the use of this product. Such risks include, but are not limited to, damage to plants and crops to which product is applied, lack of complete control over the handling and application of this product, and damage caused by drift to other plants or crops. Such risks occur even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by Valent under 1 above) resulting from handling, storage, and use of product.

3. Precautions stated on the labeling should be followed to avoid hazardous exposure to the product.

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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 TAMERED, Aug. 16, 1995
EPA Reg. No. 59639-77

