



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Memorandum

SUBJECT: Tau-fluvalinate Use Closure Memorandum
(PC Code 109302)

FROM: Kylie Rothwell, Chemical Review Manager
Reregistration Branch III
Special Review and Reregistration Division

TO: Tau-fluvalinate RED Team

DATE: October 21, 2004

The purpose of this memorandum is to provide use information that will be incorporated into the preliminary risk assessment for tau-fluvalinate. The Agency considered use and usage information that the registrant, Agan Chemical Manufacturers, provided on April 28, 2004, registrant responses to use questions, and the Agency's review of product labels to prepare this memorandum. As a result, this memorandum, the registrant's slide presentation, and the attached tables (described below) act as a guide for the Agency in preparing for the reregistration eligibility decision (RED) for this chemical. Should new use information become available during the development of the preliminary risk assessments, please inform me so that I can coordinate the new information with the entire team.

Tau-fluvalinate is used as an insecticide and miticide for empty beehives, eugenia, pepper tree, greenhouses, building perimeters, flower and foliage cuttings, interior landscapes, ant mounds, and ornamentals. There is a 24(c) Special Local Need (SLN) registration for carrots grown for seed in California, and the registrant has dropped the SLN use for carrot seeds in Oregon. The Agency FRN announcing this cancellation will be published later this year. All currently registered uses described in the attached tables, Table 1. Maximum Fluvalinate (ANSI) Use Rates and Management Practices by Crop Based on Current Labels, Table A2. Food/Feed Use Patterns Summary for Tau-fluvalinate, and Table A3. Non-Food/Non-Feed Use Patterns Summary for Tau-fluvalinate are supported. Based on the available pesticide usage information for the years of 1992 through 2001, as received from the registrant and agreed to by the Agency, total annual domestic usage of tau-fluvalinate averaged approximately 11,000 pounds of active ingredient (a.i.) for less than 30,000 acres treated.

Formulation types include flowable concentrate and impregnated strip. Application methods include aerial (in six California counties only), dipping, spray, fogger, crack and crevice treatment, by spoon, and by drench. Use information supplementing Tables 1, A2, and A3 is summarized in the table below. Please note that all use sites are not listed in the table.

Tau-Fluvalinate Use Information Supplementing Tables 1, A2 and A3*

| Crop/Site | Label | Maximum Application Rate | Application Method | Maximum No. of Applications | Comments |
|--|----------------------------|--|---|-----------------------------|---|
| Greenhouses (non-food plants), containerized nursery stock | Mavrik Aquaflow 2724-478 | 10.0 fl oz product/ 100 gal/ 20,000 sq. ft | Broadcast, fogger, bench | 4/month | - |
| Interior plantscapes | Mavrik Aquaflow 2724-478 | 10.0 fl oz product/100 gal (0.5 fl oz product/5 gal/1,000 sq ft.) | Broadcast, fogger, bench | NS | - |
| SLN 24 (c) - CA960010 carrots grown for seed | Mavrick Aquaflow 2724-478 | 9.6 fl oz product/A | Restricted use (can be applied by certified applicator only); aerial, ground | NS | - |
| SLN 24 (c) - OR99004600 carrots grown for seed | Mavrick Aquaflow 2724-478 | 9.6 fl oz product/A | Restricted use (can be applied by certified applicator only); ground, spray, aerial | - | Registrant has voluntarily cancelled this registration |
| Woody and herbaceous ornamentals, plantscapes | Mavrick Aquaflow 2724-478 | 10.0 fl oz product/100 gal. per 20,000 sq ft | Low - pressure fan spray (on base of stem or trunk) | 24/yr | - |
| Flower and foliage cuttings | Mavrick Aquaflow 2724-478 | 5.0 fl oz product/100 gal | Dipping | NS | - |
| Eugenia and pepper tree | Mavrick Aquaflow 2724-478 | 10.0 fl oz product/100 gal | Spray | 2 at 14-day intervals | - |
| Building perimeters (outdoors) | Maverick Aquaflow 2724-478 | 3 tsp product/5 gal/1000 sq ft | Low-pressure fan spray to edge of structure | 4/month | - |
| Mound Drench | Mavrick Aquaflow 2724-478 | 10 fl. oz product/100 gal; 1 gal/ mound | Drench | NS | Referred to as 'Ant Mound Treatment' on label |

| Crop/Site | Label | Maximum Application Rate | Application Method | Maximum No. of Applications | Comments |
|-----------|--|--|--|-----------------------------|----------|
| Bee hives | Zoecon Apistan Strip RF-318 (2724-406) | 1 strip for each 5 combs of bees or less in each bee chamber | Impregnated strip: placed in empty hives with gloved hands Leave strip in hive for 6 to 8 weeks. Treat in the spring and in the fall | 5 strips/yr | - |

* supplemental information was extracted from labels 2724-478 and 2724-406

Based on our understanding, this information will allow EFED to submit the drinking water assessment to HED in January 2005, HED to submit the draft RED chapter to SRRD in March 2005, and EFED to submit their draft RED chapter in July 2005, as is currently scheduled. Please let us know as soon as possible if there are any changes to this schedule. If you have any questions or concern regarding this memorandum, please contact Kylie Rothwell at (703) 308-8055.

Enclosures:

- 1) Table 1. Maximum Fluvalinate (ANSI) Use Rates and Management Practices by Crop Based on Current Labels
- 2) Table A2. Food/Feed Use Patterns Summary for Tau-fluvalinate
- 3) Table A3. Non-Food/Non-Feed Use Patterns Summary for Tau-fluvalinate