

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (75-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.
499-291

DATE OF ISSUANCE
JUN 4 1991

TERM OF ISSUANCE
Conditional

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT
Whitmire Sumithrin 31

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Whitmire Research Laboratories, Inc.
2998 Tree Court Industrial Boulevard
St. Louis, MO 63122

Attention: Mr. Michael G. Sarli

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

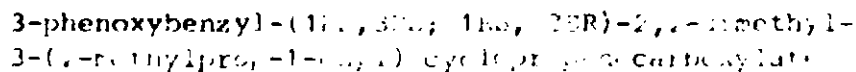
Registration is in no way to be construed as an endorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit/cite all data or other material required for registration or reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 3(c)(7)(B) when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment:

- a. Add the phrase "EPA registration no. 499-291."
- b. Add the beginning of the first paragraph on the front panel: "For use in nonfood areas only." Also add "In hospitals and nursing homes, remove patients before treatment. Ventilate rooms for 2 hours before returning patients."
- c. Declare the active ingredient as:



ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE
JUN 4 1991

d. Revise the human hazard section as follows:

- 1) The heading "Statement of Practical Treatment" should appear directly above the first aid statements.
- 2) Revise the first sentence of the statement of practical treatment for skin exposure as follows:

If On Skin: Remove contaminated clothing immediately and wash skin with plenty of soap and water. . . .

- 3) The following should appear immediately under the HAZARDS TO HUMANS (AND DOMESTIC ANIMALS) subheading:

Harmful if absorbed through skin. . . .

e. Add an ENVIRONMENTAL HAZARDS statement as follows:

ENVIRONMENTAL HAZARDS

Do not apply directly to water. Cleaning of equipment or disposal of wastes must be done in a manner that avoids contamination of bodies of water.

3. Submit an acute inhalation study on this formulation to complete the battery of acute studies pertinent to the registration of this pesticide. Additional label changes may be necessary upon receipt and review of the study. This study is required within one year of the date of registration.

4. Resubmit Volume II (Product Chemistry) from your original application correcting the contradiction between your assertion of no confidentiality on page 2 of the study with the use of Confidential Attachments.

5. Have your supplier of Nalco 1090 Anti-Foam submit its complete composition, referencing this pesticide by product name and registration number.

6. Submit another storage stability study analyzing the product at time zero and during a year of storage. The storage should be in warehouse conditions of temperature and humidity and stored in similar containers you will be using in the trade. This additional study is due 15 months from the date of registration.

7. Submit the efficacy data on which the claim for effectiveness up to 60 days is based.

8. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

RFM

Richard F. Mountfort
Product Manager (10)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosures

Whitmire
Sumithrin ME

Microencapsulated Sumithrin*
Time Release Insecticide

For use in but not limited to: Floral Shops, Garden Centers, Greenhouses, Hobby Greenhouses, Homes, Hospitals, Hotels, Interiorscapes, Landscapes and Nurseries, Motels, Nursing Homes, Supermarkets, Transportation Equipment (buses, boats, ships, trains, planes), Utilities, Warehouses and Other Commercial Buildings.

Kills and Repels: Angoumois Grain Moths, Ants, Aphids, Beetles, (Aster Beetles, Blister Beetles, Carpet Beetles, Cigarette Beetles, Colorado Potato Beetles, Confused Flour Beetle, Cucumber Beetles, Dermestid Beetles, Dried Fruit Beetles, Drugstore Beetles, Flea Beetles, Japanese Beetles, Red Flour Beetles, Saw-toothed Grain Beetles, Warehouse Beetle, Watermelon Beetles), Boxelder Bugs, Cadelles, Carpenter Ants, Caterpillars (Cabbage Worms, Rose Slugs, Hornworms, Tentworms), Centipedes, Cockroaches, Crickets, Firebrats, Fleas, Flies, Fungus Gnats, Gnats, Grain Mites, Horn Flies, House Flies, Indian Meal Moths, Lacebugs, Leafhoppers, Leafminers, Mealworms, Mealybugs, Mediterranean Flour Moths, Moths, Pillbugs, Rose Aphids, Rose Chafer, Scales, Scorpions, Silverfish, Southern Armyworm, Sow Bugs, Spiders, Spider Mites, Stable Flies, Stink Bugs, Tarnished Plant Bugs, Thrips, Ticks, Trombidium, Weevils (Granary Weevils and Rice Weevils) and White Flies.

ACTIVE INGREDIENTS:

3-Phenoxybenzyl d-cis and trans**2,2-dimethyl-3-(2-methylpropenyl) cyclopropane carboxylate 12.0%

INERT INGREDIENTS: 88.0%

*Sumithrin is a Registered Trademark of Sumitomo Chemical Company
** cis/trans isomers ratio: max. 30% (+/-) cis and min. 70% (+/-) trans

EPA Reg. No. 499- EPA Est. No. 499-MO-1

KEEP OUT OF REACH OF CHILDREN

CAUTION

See side panel for additional precautionary statements.

Net Contents:

499-291
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended under EPA Reg. No. 499-291
JUN 4 1991
ACCEPTED
WITH COMMENTS
IN EPA LETTER DATED

Whitmire
Sumithrin ME
Microencapsulated Sumithrin
Time Release Insecticide

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS
(AND DOMESTIC ANIMALS)

CAUTION

IF SWALLOWED: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger or blunt object. Do not induce vomiting or give anything by mouth to an unconscious person.

IF ON SKIN: Remove contaminated clothing immediately and wash skin with soap and water.

IF IN EYES: Wash thoroughly with water for at least 15 minutes. Call a physician if symptoms occur.

Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Keep out of reach of children.

Do not apply to humans, their clothing or bedding. Do not allow children or pets to contact treated surfaces until spray has dried. Do not contaminate food or use on household pets. Cover fish tanks prior to application.

Do not spray where electrical short circuits might result, such as wall outlets, conduits, etc.

DIRECTIONS FOR USE

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

Thoroughly wash out spray equipment before using PT 265GH Plus. Shake concentrate well before diluting. When diluting, first add approximately half of the water to the spray tank. Wet interior surfaces of measuring device by adding a couple to several ounces of water in measuring cup before adding concentrate. Add proper amount of concentrate. Pour contents of measuring cup into spray tank. Rinse measuring cup into tank and finally add the rest of the water. Occasionally agitate sprayer during use to assure even coverage. Shake or re-agitate sprayer before use if application is interrupted.

STORAGE AND DISPOSAL

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

STORAGE: Store in original container only, preferably in a locked storage area. Do not store in a manner where cross contamination with other pesticides, fertilizer, food or feed could occur. If spilled during storage or handling, soak up spillage with absorbent material and dispose of in accordance with Pesticide Disposal instructions listed below.

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

CONTAINER DISPOSAL: Triple rinse container, then offer for recycling or reconditioning, 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.

Whitmire Research Laboratories, Inc.
St. Louis, MO 63122

Do not use this formulation with oil.

IF SPRAY SCREENS ARE USED, THEY SHOULD BE 50 MESH OR LARGER.

Unless otherwise directed, dilute Sumithrin ME with water to make a 0.25% to 0.5% spray** as indicated below:

Amount* of Sumithrin ME to use for:

Amount of Finished Spray	0.25% Spray**	0.5% Spray**	1% Spray**
1 Pint	0.3 fl. oz.	0.6 fl. oz.	1.2 fl. oz.
2 Pints	0.6 fl. oz.	1.2 fl. oz.	2.4 fl. oz.
4 Pints	1.2 fl. oz.	2.5 fl. oz.	5.0 fl. oz.
1 Gallon	2.5 fl. oz.	5.0 fl. oz.	10.0 fl. oz.
2 Gallons	5.0 fl. oz.	10.0 fl. oz.	20.0 fl. oz.
3 Gallons	7.5 fl. oz.	15.0 fl. oz.	30.0 fl. oz.
10 Gallons	25.0 fl. oz. (1.6 pints)	50.0 fl. oz. (1.6 quarts)	100.0 fl. oz. (3.2 quarts)

* 1 Tablespoon = 0.5 fl. oz.

** Active Ingredient basis

Cockroaches and Silverfish - Make spot applications of Sumithrin ME as a 0.25% to 0.5% fine spray or by paint brush to drawers, shelves, around water pipes, storage areas, closets, behind and under cabinets, refrigerators, sinks, stoves and in similar areas where these insects hide.

Repeat treatments of Sumithrin ME should be made as needed, but generally will not be necessary more than once every 60 days. Use the low rate for light infestations. Initial clean out or where insecticide resistance is suspected, use the high rate.

Ants - Make spot applications of 0.25% to 0.5% Sumithrin ME as a spray to baseboards, window frames, wall voids, crawl spaces, cracks and crevices, and similar hiding or habitation areas. Apply to trails, around doors and windows, and other areas where these pests may crawl or enter the premises. Repeat application as necessary.

Carpenter Ants - Make spot applications of 0.25% to 0.5% Sumithrin ME to any trails, around doors and windows, wall voids, crawl spaces, and other places where ants enter premises. Where possible, treat ant nest or infested wood directly. Repeat application as necessary.

Carpet Beetles - Make applications 0.25% to 0.5% Sumithrin ME as a spray on and under edges of floor coverings, under carpets and furniture, and in closets or other localities where these insects are found. Entire carpets may be treated. When treating entire carpets see directions under Fleas and Ticks. Repeat application as necessary.

Crickets - Make spot applications of 0.25% to 0.5% Sumithrin ME as a spray to baseboards, behind and under cabinets and appliances, and other hiding places. Areas around doors and water pipes should be treated to help prevent crickets from entering the premises. Repeat application as necessary.

Flies - Make spot applications of 0.5% Sumithrin ME as a spray to window frames, screens, dumpsters, trash cans, and similar areas where these pests may congregate. Repeat application as necessary.

Fleas and Ticks - Thoroughly apply Sumithrin ME as a 0.5% fine spray to pet beds and resting quarters, adjacent cracks and crevices, baseboards, carpets and floor coverings, between and under cushions of upholstered furniture, and other areas where these pests may be present. Entire carpets may be treated. Applications to most surfaces should be as light as possible, approximately 2 quarts finished spray per 800 square feet. It may be necessary to use a higher volume of spray, approximately 3 to 4 quarts per 800 square feet, on long, dense shag CARPETS. Old bedding of pets should be replaced with clean, fresh bedding after treatment. Animals should not be sprayed with this product.

Perimeter Treatment - Residual spray for control of Ants, Carpenter Ants, Cockroaches, Crickets, Fleas, Silverfish, and Ticks:

Apply a 0.25% to 0.5% Sumithrin ME spray to exterior surfaces of buildings, porches, screens, window frames, eaves, patios, garages, and other areas where these pests congregate or enter premises.

To help prevent infestations of buildings by the above pests, treat a band of soil 6 to 10 feet wide around and adjacent to the building. Also, treat the building foundation to a height of 2 to 3 feet where pests are active and may find entrance. Sumithrin ME may be applied in compressed air equipment or power spray equipment. Apply as a coarse spray to thoroughly and uniformly wet the band area. A rate of 4 to 6 ounces of Sumithrin ME per 1,000 square feet is desirable.

Use in Greenhouses - For control of Caterpillars (Cabbage Worms, Rose Slugs, Hornworm, Tentworm), Fungus Gnats, Fungus Gnat Larvae, Gnats, Leafhoppers, Leafminers, Mealybugs, (Citrus, Stem and Root), Rose Chafer, Scale Insects, Tarnished Plant Bugs and Whiteflies:

Apply Sumithrin ME to the ornamentals listed below at a rate of 0.5 to 1.0 fl. oz. per gallon of water (1.5 to 3 pints/100 gallons).

For control of aphids, mites and thrips: Use 0.5 to 2 fl. oz. per gallon (1.5 to 6 pints/100 gallons)

Treat when insects appear. Use higher rate for heavy insect infestations. Repeat applications as necessary.

ORNAMENTALS

FOR USE INDOORS AND OUTDOORS ON, BUT NOT LIMITED TO: African Violets, Ageratum, Andromeda, Anthony Wanderer, Arborvitae, Azalea, Begonia, Bird's Nest Fern, Blue Spruce, Chrysanthemum, Coleus, Crape Myrtle, Dwarf Lilac, Euonymus, Ferns, Gardenia, Geranium, Honeysuckle, Impatiens, Ivy, Mock Orange, Mugho Pine, Oleander, Ornamental Cherry, Ornamental Crabapple, Peony, Peperonia, Petunia, Pfitzer Juniper, Philadendron, Pilea, Poplar, Purple Passion Plant, Rose, Sedum, Snapdragon, Soft Maple, Spirea, Wisteria

Sumithrin ME has demonstrated excellent plant safety; however, all varieties of the plants listed above have not been tested. When treating large numbers of plants of a single variety, spray a few plants and observe for phytotoxicity prior to full scale application.

Use In and Around Livestock Housing - For control of Flies in Barns and Animal Sleeping Quarters (except Dairy Barns, Milk Rooms and Poultry Houses):

Apply a 1% Sumithrin ME spray to ceilings and walls of livestock sheds, calf barns, hog barns, loading sheds, and other farm buildings except dairy barns, milkrooms and poultry houses. Areas where flies congregate, such as garbage dumps and corrals, should be sprayed thoroughly. Repeat applications as fly populations warrant.

Remove animals from buildings prior to treatment and keep animals out until spray has dried.

Do not contaminate milk, feed, drinking water, or apply to animals or poultry.

LIMITATION OF LIABILITY

Manufacturer warrants that this product conforms to the chemical description on the label. Buyer assumes all risks of use in handling which are at variance in any way with the directions on the label. MANUFACTURER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL MANUFACTURER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. DAMAGES CAUSED BY THIS PRODUCT ARE LIMITED TO REPLACEMENT OF THE PRODUCT OR RETURN OF THE PURCHASE PRICE.