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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:

44446-62

Date of Issuance:

JAN 13 1999

Term of Issuance: **Conditional**

Name of Pesticide Product:

Multi-Purpose Insect Spray

NOTICE OF PESTICIDE:

Registration  
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Mr. Mitch Whitney  
Quest Chemical Corporation  
12255 FM 529  
Northwoods Industrial Park  
Houston, Texas 77041

Note: Changes in labeling 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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 sec. 3(c)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3 (c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA Section 4.
2. **Make the labeling changes listed below before you release the product for shipment:**
  - a) Revise the EPA Registration Number to read "EPA Reg. No. 44446-62."
  - b) The product name on your application does not match the product name on your labels. We assume the product name is "Multi-Purpose Insect Spray".
  - c) Under "Directions for Use/Nonfood Areas": Please change the statement "Permanone Multi-Purpose 0.25% Spray may be applied in nonfood areas" to "Multi-Purpose Insect Spray may be applied in nonfood areas".

Signature of Approving Official:

*Mary Weigman for*  
*George T. LaRocca*

Date:

*January 13, 1999*

- d) Under your "Hazards to Humans and Domestic Animals" category, please add the statement "Keep children and/or pets out of treated areas during treatment. Do not apply this product to or near children's toys".
  - e) Under your "Directions for Use", when applying to cracks and crevices, fabric, bedding, furniture or rooms, please add the statement "Spray until surface is just damp, but not to the point of wetness or run-off. Avoid excess application".
  - f) When treating rooms, please use the following statement to specify how long a ventilation period is required:

"Upon reentry, open windows and ventilate for at least XXX minutes (Please specify a time. If no ventilation period can readily be proposed, a minimum of 2 hours is suggested).
  - g) Delete all "Repeat as necessary" or "Repeat treatment as necessary" statements. This statement is ambiguous and is no longer permissible on consumer pesticide products. Please indicate the minimum time period needed between applications for each treatment.
  - h) Under Precautionary Statements, delete the statement beginning "If lice infestations should occur...etc." These types products are no longer regulated by EPA. They are now regulated by FDA.
  - i) Following the paragraph "Do not use in edible product areas ...etc." add "Not for use in Federally Inspected Meat and Poultry Plants".
3. Please submit two (2) copies of your final printed label before you release the product for shipment. Please refer to the A-79 enclosure for a further description of final printed labeling. 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 bearing the amended labeling constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

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If you have any questions regarding this action, please contact Tracy Keigwin of my team at (703) 305-6605.

Sincerely,

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

Enclosures

ACCEPTED  
with conditions  
in EPA 1-10-99-0000

January 13, 1999

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
an insecticide, for use as a  
registered under EPA Reg. No.  
44446-62

**READ ENTIRE LABEL BEFORE EACH USE  
FOR PET USES: USE ONLY ON DOGS**

**MULTI-PURPOSE INSECT SPRAY**

- CONTAINS THE SYNTHETIC PYRETHROID PERMANONE®
- CONTROLS NAMED RESIDENTIAL, INDUSTRIAL AND GARDEN INSECTS
- FOR USE ON DOGS AND ON PREMISES TO CONTROL FLEAS AND TICKS.
- AN AQUEOUS STABLE MICROEMULSION
- CONTROLS PESTS FOR UP TO FOUR WEEKS
- KILLS LICE AND THEIR EGGS
- FOR USE ON BEDDING, FURNITURE AND OTHER INANIMATE OBJECTS INFESTED WITH LICE.
- NOT FOR USE ON HUMANS
- FOR USE ON LIVESTOCK AND THEIR PREMISES
- CONTROLS FLEAS AND TICKS ON DOGS FOR 14 DAYS

**ACTIVE INGREDIENT:**

*Permethrin .....	0.25%
OTHER INGREDIENTS: .....	99.75%
	<u>100.00%</u>

\*(3-phenoxyphenyl)methyl (+/-) cis/trans 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate  
(Cis/Trans ratio: Min. 35% (+/-) cis and max. 65% (+/-) trans.)  
PERMANONE - Registered Trademark of AgrEvo Environmental Health, Inc.

EPA REG. NO. 44446-AE EPA EST. NO. 44446-TX-1

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**FIRST AID**

**IF INHALED:** Remove affected person to fresh air. Apply artificial respiration if indicated.

**IF IN EYES:** Flush with plenty of water. Contact a physician if irritation persists.

**IF ON SKIN:** Wash affected areas immediately with soap and water. Get medical attention if irritation persists.

**See Side Panel For Additional  
Precautionary Statements**

**NET CONTENTS:**

**PRECAUTIONARY STATEMENTS**

**Hazards To Humans & Domestic Animals**

**CAUTION**

Avoid spraying in eyes. Avoid breathing spray mist. Avoid contact with skin. Wash hands thoroughly after use. Vacate room after treatment and ventilate before reoccupying. Avoid contamination of feed and foodstuffs. Cover or remove fishbowls. This product is not for use on humans. If lice infestations should occur on humans, use an EPA registered product labeled for use on humans.

**ANIMALS:** Do not spray directly in/on eyes, mouth or genitalia of pets. Use only on dogs. Do not use on cats or kittens. Do not use on puppies less than twelve (12) weeks old. Consult a veterinarian before using this product on debilitated, aged, pregnant, medicated or nursing animals. Sensitivities may occur after using any pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.

**Environmental Hazards**

This product is toxic to fish. Do not apply to any body of water. Do not contaminate water when disposing of equipment washwaters.

**Physical Or Chemical Hazards**

Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

**DIRECTIONS FOR USE**

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

<p><b>STORAGE AND DISPOSAL</b></p> <p>Do not contaminate water, food or feed by storage or disposal.</p> <p><b>Storage:</b> Store in a cool, dry area. Do not transport or store below 32°F.</p> <p><b>Disposal:</b> Wrap container in several layers of newspaper and dispose of in trash. Can may be disposed of with other recyclables where local law permits. Do not incinerate or puncture.</p>
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Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns and grounds.

Do not use in the edible product areas of food/feed processing plants, restaurants or other areas where food/feed is commercially prepared or processed. Do not use in serving areas while food

is exposed or facility is in operation. Serving areas are areas where prepared foods are served such as dining rooms but excluding areas where foods may be prepared or held.

In the home, cover all food handling surfaces and cover or remove all food and cooking utensils, or wash thoroughly after treatment. Exposed food should be covered or removed.

**NONFOOD AREAS:** Permanone Multi-Purpose 0.25% spray may be applied in nonfood/feed areas. Nonfood/feed establishment areas are areas such as garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, mop closets and storage (after canning or bottling).

**SHAKE WELL BEFORE USING**

Remove protective cap, hold container upright and spray from a distance of 12 to 15 inches. Remove birds and cover fish aquariums before spraying.

**HOUSEFLIES, FRUIT FLIES, MOSQUITOES, GNATS, WASPS, HORNETS, BEES, BLACK FLIES, SKIPPER FLIES, BLOW FLIES AND SMALL FLYING MOTHS:** Close all doors and windows and spray room at the rate of 2 to 3 seconds per 1000 cubic feet. Direct spray to all parts of the room, especially windows and other light sources which attract these insects. Keep nozzle in constant motion. Repeat treatment as necessary.

**COCKROACHES, WATERBUGS, PALMETTO BUGS, SILVERFISH, FIREBRATS, CRICKETS, SCORPIONS, SPIDERS, MILLIPEDES, CENTIPEDES, SOWBUGS AND PILLBUGS:** Spray into hiding places such as cracks and crevices, behind sinks, cabinets, along baseboards and floors, around drains and plumbing, hitting insects with spray when ever possible. Repeat treatment as necessary.

**ANTS:** Spray trails, nests and points of entry. Spray on ants where possible. Repeat as necessary.

**INDIAN MEAL MOTHS, ANGOUMOIS GRAIN MOTHS:** Close doors and windows, direct spray into all parts of room especially around stored food product containers, pallets and darkened areas. Spray 7 to 10 seconds for each 1000 cubic feet of space. Keep area closed for 15 minutes following treatment. Repeat application as necessary.

**EXPOSED STAGES OF CONFUSED FLOUR BEETLES, SAW-TOOTHED GRAIN BEETLES, RED FLOUR BEETLES, RICE WEEVILS, GRANARY WEEVILS, GRAIN MITES:** Spray into cracks and crevices, processing and handling equipment, around cartons or containers or other areas where these insects tend to congregate. Spray 30 seconds for each 100 square feet of surface. Keep area closed for 45 minutes to 1 hour after treatment. Repeat application as necessary. Infested stored food products in the home should be disposed of.

**CARPET BEETLES:** Spray directly on beetles, floors, baseboards, shelves and carpets. Repeat treatment as necessary.

**BEDBUGS:** Spray mattresses, particularly around tufts and seams. Take beds apart and spray into all joints. Treat baseboards,

moldings and floors. Allow all sprayed articles to dry thoroughly before reuse. Repeat treatment as necessary.

**TO CONTROL CLOTHES MOTHS AND CARPET BEETLES on wool and other proteinaceous fibers:** Remove infested articles from storage, brush thoroughly, and air for several hours in sunlight, if possible. Apply spray liberally to empty chests, closets, bureaus and other storages directing the spray into cracks, joints and crevices. After airing, infested articles may be treated by spraying lightly, keeping nozzle at least three feet from fabric to avoid staining. Allow all sprayed articles to dry thoroughly before use.

**IN ANIMAL QUARTERS AND MILK ROOMS:** For rapid control of *House Flies, Mosquitoes, Gnats, Wasps, Hornets, Bees and Small-Flying Moths.* Remove animals prior to application. Close windows and doors and spray at the rate of 2 seconds per 1000 cubic feet of space. For best results, keep area closed for 10 minutes after spraying. Do not remain in treated area and ventilate after treatment is completed.

**TO TREAT LIVESTOCK:** To protect beef cattle, dairy cattle, goats, sheep, hogs and horses from attacks of *Stable Flies, Horse Flies, Deer Flies, Face Flies, House Flies, Horn Flies, Mosquitoes, and Gnats:* Spray about 3 seconds on each side being careful to spray back, withers and forelegs thoroughly. To protect from Face Flies, spray the face and head, but do not spray into eyes. Repeat treatment when flies are troublesome.

**FOR SWINE:** Do not ship animals for slaughter within 5 days of last treatment.

**TO CONTROL BLOOD SUCKING LICE:** Apply to the infested areas of the animal, using a stiff brush to get the spray to the base of the hair. Repeat every 3 weeks if required.

**TO CONTROL POULTRY LICE,** spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.

**FOR CONTROL OF BEDBUGS AND MITES IN POULTRY HOUSES,** spray crevices of roost poles, cracks in walls, and cracks in nests where the bedbugs and mites hide.

**FLEAS AND TICKS: (ADULTS AND LARVAE):** Remove and thoroughly clean or destroy pet bedding. Spray pet sleeping quarters, bed, entire floor and floor covering, with special attention to cracks and crevices around baseboards, and window and door frames. Infested upholstered furniture may also be treated with this product. A test application should be made to upholstery or drapery fabrics in an inconspicuous place before use.

**TO CONTROL FLEAS AND TICKS ON DOGS.** Starting at the tail, stroke against the lay of the hair, spraying the parted fur in short bursts, directly behind the hand to insure penetrating the coat. Dampen the fur up to the head. Repeat application every two weeks if necessary.

**TO KILL LICE AND LOUSE EGGS:** Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying, then proceed to spray entire area to be treated. Hold container upright with nozzle away from you. Depress valve and

spray from a distance of 8 to 10 inches. Spray each square foot for three seconds. Spray only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry cleaned. Allow all sprayed articles to dry thoroughly before use.

**FOR THE CONTROL OF GARDEN INSECTS:** For use on roses, dahlias, asters and other ornamentals to kill Japanese Beetles hit by spray, as well as *Whiteflies, Aphids, exposed Thrips, Spiders, Red Mites* and *Leafminers*.

- May be used on plants, as well as a multi-purpose spray in small gardens and for spot treatments of incipient insect infestations to prevent spreading in large garden areas.

May also be used on other plants such as African violets, asters, azaleas, begonias, camellias, carnations, chrysanthemums, dahlias, delphiniums, dogwood, English ivy, euonymus, fuschia, geraniums, crassula, grape vine, Kentia palm, laurel, marigolds, rhododendrons, roses, rubber plants, snapdragons, stocks, wandering Jews and zinnias.

Effective when used as directed against *Whiteflies, Aphids, Spider and Red Mites, exposed Thrips, Lace Bugs, Japanese Beetles, Pavement Ants, Clover Mites* and *Amy Worms*. When spraying plants, do not operate closer than 18 inches. Use sweeping motion. Spray in one second bursts. Be cautious about wetting tender foliage, young plants and new growth. Do not spray plants when temperatures exceed 90°F. Contact insects directly whenever possible. Repeat treatment as infestations occur.

Notice: Buyer assumes all responsibility for safety and use not in accordance with directions.

QUEST CHEMICAL CORPORATION  
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