

19 AUG 1993

Mr. Mitch Whitney
Quest Chemical Corporation
12255 FM 529
Houston, TX 77041

Dear Mr. Whitney:

Subject: Revised Labeling to add "me-too" pests
Duel Flying & Crawling Insect Killer
EPA Reg. No. 44446-8
Submission dated May 14, 1993

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. A copy of the stamped label is enclosed for your records. One copy of the finished labeling must be submitted prior to releasing the product for shipment.

1) The precautions on your label should be categorized under the general heading, "Precautionary Statements", followed by the appropriate subheadings such as "Hazards to Humans and Domestic Animals", etc. Refer to Title 40 of the Code of Federal Regulations, part 156.10(h)(2) for specific guidance.

2) Add the following statements to your "Hazards to Humans and Domestic Animals" paragraph:

In commercial food handling facilities, cover or remove any food during treatment. All food processing surfaces should be thoroughly cleaned with an effective cleaning compound followed by a potable water rinse before using.

3) Delete the term "related compounds" from the label ingredients declaration. Unless otherwise substantiated, these isomers should be considered inert. If the "related compounds" are determined to be active, they should be incorporated in the

declaration for the active ingredient and not distinguished as "related compounds" or "other isomers".

Sincerely,

Rk

Rita Kumar
Acting Product Manager (10)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

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19 AUG 1993

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 44446-8

DUEL

HAZARDS TO HUMANS & DOMESTIC ANIMALS CAUTION

Harmful if swallowed or absorbed through the skin. Avoid contact with eyes, skin or clothing. Cover or remove exposed foods. Avoid contamination of cooking utensils & food preparation surfaces. Remove pets, birds & cover fish aquariums before spraying. Avoid contamination of food & foodstuff. Food should be removed or covered during treatment. All food processing surfaces should be covered during treatment or thoroughly cleaned before using. When using the product in these areas, apply only when the facility is not in operation. In case of contact, immediately flush eyes & skin with plenty of water for at least 15 minutes, for skin & eyes call physician.

PHYSICAL OR CHEMICAL HAZARDS

Contents under pressure. Do not puncture or incinerate container. Do not use or store near heat or open flame. Exposure to temperatures above 130° F may cause bursting.

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to fish. Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). Drift and runoff from treated sites may be hazardous to fish in adjacent water.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. SHAKE WELL BEFORE EACH USE. Remove protective cap, aim spray opening away from persons. Push button to spray. TO KILL HOUSEFLIES, MOSQUITOES & GNATS: INDOORS: Close all doors & windows. Point nozzle upwards, direct the spray mist to all parts of the room especially windows & other light sources which attract these insects. Fill the room with mist, then leave the treated area. Keep the room closed for at least 15 minutes. Ventilate room when treatment is completed. TO REDUCE ANNOYANCE FROM FLYING INSECTS: OUTDOORS: Reduce mosquitoes, gnats, (midges), houseflies, deer flies & flying moths (millers) by spraying their resting areas. Follow precautions listed above. Hold container 14 to 18 inches from shrubs, bushes & grassy areas. Spray these areas with a slow sweeping motion at the rate of 1 to 3 seconds per cubic foot of space while moving away from the treated areas. To reduce annoyance from these flying insects, treat open porches & patios in a similar manner. Spray only when the air is still. Allow spray to dissipate before occupying the treated area. Repeat as necessary. TO KILL: Roaches, Earwigs, Grain Mites, Sowbugs, Spiders, Fleas & Centipedes: CONTACT SPRAY: Spray thoroughly into hiding places such as cracks, crevices, moist areas, openings around pipes & sinks, under refrigerators, baseboards & storage areas. Spray directly on insects where possible. Repeat as necessary. RESIDUAL SPRAY: Spray baseboards, cracks, crevices, lower walls, dark places. Spray at the rate of 3 to 4 seconds per linear foot at a distance of 12 to 14 inches from the surface. Repeat as necessary. TO KILL WASPS, BEES AND YELLOW JACKETS: Applications should be made in the late evening when insects are at rest. Spray liberally into hiding & breeding places, contacting as many insects as possible. Repeat as necessary. TO KILL ANTS: Apply to ant trails & around door sills, window frames & other places where ants may enter. ORNAMENTAL PLANT PESTS: Kill aphids, exposed thrips, leafhoppers, plant bugs, Japanese beetles on smaller evergreens, deciduous trees & shrubs, such as, rhododendrons, pine, spruces, hemlock, yews, arborvitae, junipers, holly, podocarpus, boxwood, laurel lilac, spirea, dogwood, palm tree, toyon, viburnum, maples, locust, forsythia, althea & roses; also kills mimosa webworm larvae on mimosa & oakworm larvae on oaks. Kills aphids, exposed thrips, adult whiteflies, leafhoppers, plant bugs, spittlebugs, Japanese beetles on flowering plants such as peonies, iris, zinnia, snapdragons, ageratum, chrysanthemum, nasturtium, daisy, geranium, marigolds, daphne, fatsydera, hyacinth, queen sago, broadleaf acacia. Direct spray on insects by holding the container 12 to 18 inches from the infested plants. Spray in short burst of 1 to 3 seconds or spray at the rate of one linear foot of growth per second. Direct spray to all sides, covering foliage until slightly moist. Avoid heavy wetting. Repeat applications as necessary. USE WITH CAUTION on the foliage of Flowering Quince, Juniper, Cypress, Mulberry, Ash, Colonsaster, Rose, Camellia, Azalea, Pyracantha & Caenothus; as certain varieties have shown some leaf browning.

STORAGE AND DISPOSAL

Do not store near heat or open flame. Do not reuse empty container. Wrap container & put in trash collection. Never throw container into fire or incinerator.

INGREDIENTS: Water (CAS# 7732-18-5), Propane-1,2-dibutane (CAS# 68476-85-7), Resmethrin (CAS# 10453-86-8), Polyglycerol (CAS# 9007-48-1), Fragrance Oil (CAS# N/A)

EPA Reg. No. 44446-8

EPA Est. No. 44446-TX-2

ITEM 451

Flying & Crawling Insect Killer

Double Action Insecticide Residual & Contact Spray

- Kills: Bees, Yellow Jackets, Hornets, Houseflies, Mosquitoes, Gnats, Wasps, Roaches, Earwigs, Grainmites, Sowbugs, Ants, Biting Flies, Aphids, (Plant Lice) Fleas, Leafhopper, Adult Whiteflies, Plant Bugs, Japanese Beetles, Spiders, Centipedes, Exposed Thrips and Spittlebugs.

FOR USE IN NON-FOOD AREAS IN HOMES, INSTITUTIONS, RESTAURANTS AND FOOD PROCESSING PLANTS

ACTIVE INGREDIENTS:

- + % Resmethrin (5-(phenylmethyl)-3-furanyl) methyl 2, 2-dimethyl-3-(2-methyl-1-propenyl) cyclopropanecarboxylate 0.350% Related compounds 0.048%

INERT INGREDIENTS: 99.602%

* Cis/trans isomers ratio: max. 30% (+/-) Cis and min 70% (+/-) trans

- + U.S. Patent NOs. 3,465,007 and 3,542,928 % Perick's SBP-1392 (R) brand of resmethrin insecticide Perick Corp., 1050 Wall Street West Lyndhurst, NJ 07071

CAUTION:

KEEP OUT OF REACH OF CHILDREN

See Additional Precautionary Statements on Back Panel

NET WT. 15 OZ. (425 g)

Manufactured By Quest Chemical Corporation Houston, Tx. 77041

Table with 2 columns: Hazard Category and Rating. Categories include HEALTH, FLAMMABILITY, REACTIVITY, and PERSONAL. Ratings are 2, 1, 1, and 1 respectively.

