

Mr. Mitch Whitney
Quest Chemical Corporation
12255 FM529
Northwoods Industrial Park
Houston, TX 77041

MAR 26 1991

Dear Mr. Whitney:

Subject: Revised Label
Duel Flying & Crawling Insect Killer
EPA Registration No. 44446-8
Your Submission Dated March 5, 1991

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Sincerely yours,

BEST AVAILABLE COPY

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

Enclosure

62478:I:A-4:Mountfort:L10-05:KEVRIC:03/22/91:04/20/91:aw:WO:DD:CL

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

**DUEL
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS
CAUTION**

Hazard 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 & foodstuffs. 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 120 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 (notably 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 a 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 around door & window frames, & other hiding places such as closets, in back of & under appliances, sinks & cupboards in the kitchen & bathroom, in basements, spray hiding places in 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 Applications should be made in the late evening when insects are at rest. Spray liberally into hiding & breeding places, contact 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 as rhododendrons, gladioluses, hellebores, yew, arbutus, junipers, holly, podocarpus, boxwood, laurel, lilac, spruce, dogwood, palm tree, ivy, viburnum, maple, locust, forsythia, althea & roses, also kills minor webworm larvae on rosehips & oakworm larvae on oaks. Kill aphids, exposed thrips, adult whiteflies, leafhoppers, plant bugs, spittlebugs, Japanese beetles on flowering plants such as geraniums, iris, zinnia, snapdragons, ageratum, chrysanthemum, nasturtium, daisy, geranium, marigold, delphinium, litchihedge, ivy, tobacco, queen sage, broadleaf acacia. Direct spray on insects by holding 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 flowers: Juniper, Cypress, Mad herry, Ash, Calloway, Rose, Camellia, Aralia, Pyracantha, & Camellia, 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.

EPA Reg. No. 44448-B EPA Est. No. 44448-TX-2

ITEM 451

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DUEL

Flying & Crawling Insect Kill

Double Action Insecticide
Residual & Contact Spray

Kills: Houseflies, Mosquitoes, Gnats, Wasps, Fleas, Grainmites, Sowbugs, Ants, Biting Flies, Aphids, Fleas, Leafhopper, Adult Whiteflies, Plant Beetles, Spiders, Centipedes, Exposed Thrips

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

ACTIVE INGREDIENTS:

• Resmethrin (5-(phenylmethyl)-3-furanylmethyl 2,2-dimethyl-3-(2-methyl-1-propenyl) cyclopropanecarboxylate)

Related compounds

INERT INGREDIENTS

* Cis/trans isomers ratio max. 30% (+/-) 10% and min 70%
* U.S. Patent NOS. 3,465,007 and 3,542,928
* Perck's SBP-1392 (R) brand of resmethrin insecticide
Perck Corp. 1050 Wall Street West, Lyndhurst, NJ 07071

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See Additional Precautionary Statements on Label

NET WT. 15 OZ.

Manufactured By
QUEST Chemical Corp.
Houston, Texas 77041