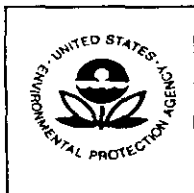


PM 03

44446-64

09/07/99

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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:  
44446-64

Date of Issuance:  
SEP 7 1999

NOTICE OF PESTICIDE:

- Registration
- Reregistration

(under FIFRA, as amended)

Term of Issuance: **Conditional**

Name of Pesticide Product:  
**Quest Revenge Insect Killer**

Name and Address of Registrant (include ZIP Code):

Quest Chemical Corporation  
12255 FM 529  
Houston, Texas 77041-2805

**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 and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of you product under FIFRA section 4.
2. Make the following labeling changes listed below before you release the product for shipment:
  - a. Under your PRECAUTIONARY STATEMENTS section, please change the text to read "Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling."
  - b. Please move your STORAGE AND DISPOSAL section to the end of your label.

Signature of Approving Official:

Date:

George T. LaRocca

CONCURRENCES

SYMBOL	EPA Form 8570-6							
	7505C							
SURNAME	SPRAT							
DATE	9/7/99							

- c. Either delete the statement "Repeat as necessary" or change it to read "Repeat Every 4 Weeks", based upon the residual efficacy of the product.
  - d. Place an asterisk above "termites" on the front panel and also at the beginning of the paragraph on the side panel beginning "The purpose of such applications....". Also, revise the paragraph to read "The purpose of such applications of Quest Revenge Insect Killer for termites is to kill workers or winged reproductive forms which may be present in treated channels at the time of treatment. Such applications are not a substitute for mechanical alteration, soil treatment or foundation treatment but are merely a supplement. For active termite infestations, get a professional inspection"
  - e. You reference use of a soil injector under fire ant directions. Is this injector sold with the product? If not, how does the user (homeowner) obtain this equipment. If such equipment is not sold with the product or readily available, delete instructions for fire ant control.
3. Efficacy data for the following public health pests were not provided in your application or in the cited product: fleas, ticks, centipedes, scorpions, spiders, fire ants, and cockroaches. Please submit or cite efficacy data to support these claims. You should check with your supplier (AgrEvo) in this regard.
  4. Please submit two (2) copies of your final printed label for before your 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 amended labeling constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

If you have any questions regarding this action, please contact Dr. William Sproat of my team at (703) 308-8587.

Sincerely,

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

Enclosure

SEP 7 1999

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**QUEST REVENGE INSECT KILLER**

- \* *Recommended for Household and Commercial/Industrial Use in Non-Food/Feed Areas*
- \* *Contains Synergized Permethrin and Tetramethrin*
- \* *Provides Quick Killing Action and Residual Control*
- \* *Economical Do-It-Yourself Pest Control*
- \* *Use Indoors and Outdoors*
- \* *Use Indoors; Use Outdoors*
- \* *Kills Fire Ants*
- \* *Kills Fleas - Roaches - Ants*
- \* *Kills Fleas*
- \* *Kills Roaches; Kills Ants*
- \* *Kills on Contact - Kills Fast*
- \* *Kills on Contact; Kills Fast*
- \* *Kills Hidden Bugs*
- \* *Kills Bugs You See and Even the Ones You Don't*
- \* *A broad spectrum insecticide highly effective against Ants, Carpenter Bees, Carpenter Ants, Carpet Beetles, Centipedes, Cockroaches, Crickets, Earwigs, Firebrats, Fleas, Flour Beetles, Grain Beetles, Ground Beetles, Millipedes, Mole Crickets, Moths, Pillbugs, Scorpions, Silverfish, Sowbugs, Spiders, Termites, Ticks and many other similar crawling insects*
- \* *Water-Based Formula; Non-Staining*
- \* *No Oily Residues; No Unpleasant Odor*
- \* *Protects for up to 4 weeks*

**ACTIVE INGREDIENTS:**

* Tetramethrin	0.150%
** Permethrin	0.375%
*** Piperonyl Butoxide Technical	0.750%
<b>INERT INGREDIENTS:</b>	<u>98.725%</u>
	100.00%

\*1-cyclohexene-1,2-dicarboximidomethyl 2,2-dimethyl-3-(2-methyl-propenyl) cyclopropanecarboxylate.  
 \*\*(3-phenoxyphenyl) methyl (+/-) cis/trans 3-(2,2-dichloroethenyl) 2,2-dimethylcyclopropanecarboxylate. Cis/trans ratio: min. 35% (+/-) cis and max. 65% (+/-) trans.  
 \*\*\*Equivalent to min. 0.60% (butylcarbityl)(6-propylpiperonyl) ether and 0.15% related compounds.

EPA  
 EPA Reg. No. 44446- Est. No. 44446-TX-1

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**STATEMENT OF PRACTICAL TREATMENT**

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

See Side Panel For Additional Precautions

**PRECAUTIONARY STATEMENTS**

**Hazards To Humans & Domestic Animals**

**CAUTION**

Avoid contact with skin, eyes or clothing. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

**Environmental Hazards**

This product is toxic to fish. Do not apply directly to water. Do not contaminate water by disposal of wastes.

**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. Do not use in food/feed areas of food/feed handling establish-

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.  
**Storage:** Do not store near heat or open flame. Store in cool dry area away from children.  
**Container Disposal:** Replace cap, wrap container in several layers of newspaper and discard in trash. Do not incinerate or puncture. Can may be disposed of with other recyclables where local law permits.

ments, 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, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food should be covered or removed.

Quest Revenge Insect Killer may be used as a crack and crevice treatment or as a spot application in non-food/feed areas. All areas where insects hide or through which insects may enter should be treated.

For use in non-food/non-feed areas such as garbage rooms, lavatories, floor drains (to sewers), offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

Not for use in Federally Inspected Meat and Poultry Plants.

Do not apply this product in occupied patient rooms or in any rooms/areas while occupied by patients, the elderly or infirm. Do not apply to classrooms when in use.

**General Information:**



Quest Revenge Insect Killer provides effective control of pests in and on buildings and structures and their immediate surroundings and on modes of transport. Permitted areas of use include, but are not limited to: apartment buildings, homes, hotels, hospitals, nursing homes, schools, industrial buildings, laboratories, mausoleums, private residences, utilities and the non-food/feed areas of food/feed handling establishments, and on: vessels, railcars, aircraft (cargo areas only), buses, trucks and trailers.

Surface Spray Application: Remove protective cap. Hold container upright with nozzle away from you. Press valve down and spray as directed. Spray surface until slightly wet (at a rate of 4 ounces product to treat approximately 25 square feet of surface area).

Crack & Crevice Injection: Remove protective cap, hold container upright and attach injection tube for injecting into cracks and crevices where insects may be hiding, living and breeding. Place injection tip 1/2 inch into cracks, crevices, holes and other small openings where insects may be a problem. Release a one-second spray per spot. In serious infestations, if possible, place spots approximately 12 inches apart. In light infestations or for preventative treatment, place spots approximately three feet apart. In long running cracks, move the injector tip along the crack while spraying. Move at the rate of one linear foot per second in heavy infestations and three feet per second in light infestations. See the additional directions below for effective control of specified insects.

**INDOORS:**

Cockroaches (including adult and immature stages of both non-resistant and organophosphate and carbamate resistant strains). **Ants, Booklice, Boxelder Bugs, Centipedes, Crickets, Dermestids, Firebrats, Fleas, Palmetto Bugs, Silverfish, Sowbugs, Ticks and Waterbugs:** Spray into hiding places such as cracks and crevices, behind sinks, cabinets, along baseboards and floors, around drains and plumbing, hitting insects with spray whenever possible. Repeat as necessary.

**Ants:** Spray freely around ant trails, doors and windows and other places where ants enter premises around nests hidden under steps, brickwork, concrete, etc. Break apart accessible nests and spray freely on and around debris. Repeat as necessary.

**Carpenter Ants:** For effective control, locate and treat nests and surrounding areas. Apply around doors and windows and other places where ants enter premises and where they crawl and hide. Inject into wall voids and infested wood through existing openings or newly drilled small holes.

**Brown Dog Ticks and Fleas in Buildings:** Apply to infested areas such as pet beds and resting quarters, nearby cracks and crevices, under the edges of rugs and floor coverings, between and under cushions of upholstered furniture and other areas where these pests may be present. Old bedding of pets should be removed and replaced with clean fresh bedding after treatment of pet areas. Do not use directly on pets.

**Spiders:** Apply along and behind baseboards, to window and

door frames, corners, pipes, storage localities, attics, crawl spaces and other areas over which these pests may crawl.

**Centipedes, Earwigs, Ground Beetles, Millipedes, Mole Crickets, Pillbugs, Sowbugs, Scorpions and Ticks:** Apply around doors and windows and other places where these pests may enter premises. Treat baseboards, storage areas and other locations where these pests are found.

**Pantry Pests - Grain Beetles (Rusty, Merchant and Saw-toothed), Flour Beetles (Red and Confused), Chocolate Moths, Cigarette Beetles, Clover Mites, Cluster Flies, Drugstore Beetles, Elmleaf Beetles, Rice Weevils, Lesser Grain Borers, Spider Beetles and Tobacco Moths:** Treat exposed stages. Remove all foodstuffs, utensils and shelf paper from area to be treated. Discard used shelf paper and any infested foodstuffs. Apply spray to shelves and in cracks and crevices behind and under cupboards and cabinets, around processing and handling equipment, around cartons or containers or other areas where these insects tend to congregate. Allow spray to dry prior to replacement of food and utensils. Infested stored food products in the home should be disposed of.

**Carpet Beetles (Black, Furniture and Varied):** Spray on and under edges of floor coverings, under rugs and furniture and in closets or other localities where these insects are found. Repeat as necessary.

**Webbing Clothes Moths:** Use this product as a crack and crevice treatment in closets and other storage areas where these pests are found. This is an adjunct treatment and will not control moth larvae already on clothes. Do not apply to clothing.

**OUTDOORS:**

**Ants, Cockroaches, Crickets, Centipedes and Silverfish.** Spray infested surface of patio or picnic area, hitting as many insects as possible. Also spray legs of tables and chairs to repel ants. Spray ant hills for best control.

**Fire Ants:** To treat mounds, use soil injector. To maximize spray distribution, insert injector into the mound full length if possible. Inject the mound at 5-6 sites at a rate of 5-10 seconds spray per site. For very large mounds (over 36 inches in diameter), increase the number of injection sites. Space injection sites in a circular pattern on the mound surface with one site in the center. To quiet active ants on mound surface, sweep surface with spray from a distance of 18 inches. For best results, apply in cool weather or in early morning or late evening hours. Treat new mounds as they appear.

**Pests On Outside Surfaces Of Buildings:** For control of building infestation due to Ants, Clover Mites, Crickets, Earwigs, Millipedes and Sowbugs (Pillbugs). Spray foundation of building where insects are active and may find entrance up to a height of 2 to 3 feet. Apply as a residual spray to outside surfaces of buildings where insects tend to congregate. Spray areas include (but are not limited to) screens, window frames, eaves, porches, patios, garage and refuse dumps. Repeat treatment as necessary.

**Localized Treatment of Wood-Infesting Insects:** Beetles and

Borers (such as the following families: Anobilidae, Bostrichidae, Buprestidae, Cerambycidae, Lyctidae, Oedemeridae, Sesliidae), Carpenter Bees, Termites and Wood Wasps: Locate area of infestation and/or insect tunnels and cavities. Using a crack & crevice tip, spray into tunnels, galleries and inaccessible closed voids. In infested areas, small holes should be drilled eight to ten inches apart to insure thorough insecticide gallery treatment. Be sure not to contact electrical wiring or plumbing when treating. For Carpenter Bees, seal the entrance holes with small pieces of stainless steel wool after application.

The purpose of such applications of Quest Revenge Insect Killer is to kill workers or winged reproductive forms which may be present in the treated channels at the time of treatment; and to impart a temporary resistance at these places of attack which may aid in the prevention of immediate reinfestation. Such applications are not a substitute for mechanical alteration, soil treatment or foundation treatment but are merely a supplement.

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

**QUEST CHEMICAL CORPORATION**  
12255 FM 529  
Houston, Texas 77041