

1 DEC 1992

RSR Laboratories, Inc.  
501 Fifth Street  
Bristol, Tennessee 37620

Attn: Kim Lanham

Subject: Elite Quick-Kill Spray Concentrate  
EPA Registration No. 51793-29  
Application dated November 6, 1992

Dear Ms. Lanham:

The proposed amendment to the registration of the product cited above under The Federal Insecticide, Fungicide, And Rodenticide Act correcting the name and address of the manufacturer is acceptable. A stamped copy of the label is enclosed for your records.

The Confidential Statement Of Formula(CSF) dated November 6, 1992 is acceptable and has been placed into the file for this product.

Sincerely,



Joseph M. Tavano  
Acting Product Manager 10  
Insecticide & Rodenticide Branch  
Registration Division (H7505C)



**ELITE QUICK-KILL SPRAY CONCENTRATE**

**AN INSECTICIDE SPRAY CONCENTRATE**

**FOR USE IN FOOD PROCESSING AND STORAGE, MUSHROOM HOUSES, HOSPITALS,  
HOTELS, MOTELS, RESTAURANTS AND OTHER INSTITUTIONS.**

**PROVIDES RAPID KILL OF INSECTS WITHOUT LEAVING  
OBJECTIONABLE RESIDUES.**

Food additive tolerances have been established for the insecticide components in this product. When this product is used as directed, allowable tolerance levels will not be exceeded.

**Kills Gypsy Moth Caterpillars and Japanese Beetles**

**Dilute With Water for Use on Vegetable and Ornamental  
Plants and Shade Trees**

**Controls Listed Crawling and Flying Insects on Porches  
and Patios, In and Around Garages and Around the Yard**

**Quick-Acting - Leaves No Harmful Residues**

**Acceptable for Use to Day of Harvest on Edible Plants**

**ACCEPTED**  
**1 DEC 1992**  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 51793-29

**ACTIVE INGREDIENTS:**

Pyrethrins..... 3.0%

Piperonyl Butoxide, Technical..... 30.0%

\*\*INERT INGREDIENTS:..... 67.0%

100.0%

\*Equivalent to min. 24% (butylcarbityl) (6-propylpiperonyl) ether and to 6% related compounds.

\*\*Contains petroleum distillates.

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**KEEP OUT OF REACH OF CHILDREN**

**WARNING**

**SEE REAR PANEL FOR ADDITIONAL PRECAUTIONS**  
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**MANUFACTURED BY:**

**RSR LABORATORIES, INC.  
501 FIFTH STREET, BRISTOL, TENNESSEE 37620**

EPA Est. No. 51793-TN-1

EPA Reg. No. 51793-29

NET CONTENTS \_\_\_ OZ

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**DIRECTIONS FOR USE**

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

To prepare dilutions, the concentrate should first be stirred or agitated well. Add the required amount of concentrate to water and blend thoroughly. This will produce a stable micro-emulsion.

For maximum effectiveness, a combination of localized surface application and space treatment is recommended.

**AS A SURFACE SPRAY:** For initial cleanup of severe insect infestation, dilute at a rate of 1 part concentrate in 14 parts water (8.5 fluid ounces per gallon). This dilution may not be used in edible product areas of Federally inspected meat and poultry plants. For normal infestations, dilute 1 part concentrate in 29 parts water (4.3 fluid ounces per gallon).

To control cockroaches, ants, silverfish, spiders, crickets, clover mites, cheese mites, granary weevils, rice weevils, confused flour beetles, rust red flour beetles, sawtoothed grain beetles, spider beetles, cigarette beetles, drugstore beetles, meal worms, grain mites and cadelles: Use a good sprayer adjusted to deliver a coarse wet spray. Direct the spray into hiding places, cracks and crevices, under pallets, around containers of stored foods, around the base of machinery, behind shelves and drawers. Spray bookcases for silverfish. Spray ant trails, nests and points of entry. If surface application only is to be used, spray floors, walls and other surfaces applying at a rate of 1 gallon to 750 square feet of surface.

To control carpet beetles, spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, closets and infested areas of shelving. Repeat treatment as needed.

To control bedbugs. Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray; in all joints. Treat baseboards, moldings and floors. Repeat treatment as needed.

**Wasps & Hornets:** Apply at dusk when insects are at rest. Spray liberally into hiding and breeding places contacting as many insects as possible. Repeat if necessary.

**Spiders:** Spray directly on spiders and webs. Repeat if necessary.

To kill cockroaches, palmetto bugs, earwige, sowbugs, centipedes, millipedes, crickets, silverfish and clovermites, spray thoroughly into hiding places such as spigots, storage areas and sheds. Spray directly on insects where possible. Repeat treatment if necessary.

To kill mosquitoes, gnats (midges), house flies, biting flies and small flying moths (millers), apply spray to shrubs, bushes and grassy areas. Spray these areas with a slow sweeping motion while moving away from the treated area. To reduce annoyance from these flying insects, treat open porches and patios in a similar manner. For best results, spray when air is still. Allow spray to dissipate before occupying the treated area. Repeat if necessary.

To control fleas, and brown dog ticks: Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames and localized areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. To kill fleas and ticks on cats and dogs, and to obtain protection against reinfestation, dilute at 1 part concentrate to 19 parts water (6.4 fluid ounces per 1 gallon) and wet the animal by dipping or spraying.

AS A SPACE SPRAY: Dilute at a rate of 1 part concentrate to 19 parts water (6.4 fluid ounces per gallon). Apply with mechanical or compressed air equipment (non-thermal) adjusted to deliver a fine mist. Close doors and windows and shut off ventilating systems.

For rapid control of adult house flies, fruit flies, gnats, mosquitoes, skipper flies, wasps, hornets, Angoumois grain moths, Mediterranean flour moths, Indian meal moths and tobacco months: Direct spray at an upward angle distributing it uniformly through the entire area at a rate of 1 ounce per 1000 cubic feet of space. Keep area closed for at least 10 minutes. Ventilate and sweep up dead insects before reoccupying.

For rapid kill of exposed or accessible stages of other insects named on this label, dilute 1 part concentrate in 1-3 parts water (13 to 64 fluid ounces per gallon). Apply using conventional, mechanical or compressed air equipment (non-thermal), following directions for space spraying. Apply the above dilutions at a rate of from 1 to 10 ounces per 1000 cubic feet of space.

Use outdoors and in greenhouses throughout the growing season or as a preharvest treatment when other insecticides are prohibited due to residue restrictions and use limitations.

OUTDOORS: To kill gypsy moth caterpillars and adults, adult Japanese beetles and Eastern and forest tent caterpillars on contact: Combine 3.0 fluid ounces of concentrate per 1 gallon of water. Apply to insure thorough coverage of upper and lower leaf surfaces.

On Trees and Shrubs Treat trees and shrubs as soon as insects emerge (usually late spring). Treat leaves, branches and tree trunks evenly, making sure to penetrate dense foliage. Repeat application every 7 days as necessary for control.

On Roses and Flower Gardens Treat plants and flowers as soon as insects appear. Spray plants and flowers making sure to penetrate dense foliage. Repeat application every 7 days or as necessary for control.

To control listed insects: combine 1.0 fluid ounce of emulsion per 1 gallon of water. Apply to insure thorough coverage of upper and lower surfaces.

VEGETABLES

CROPS: asparagus, beans, broccoli, brussel sprouts, cabbage, cauliflower, celery, collards, cranberries, cucumbers, eggplant, kale, lettuce, melons, mustard greens, peppers, potatoes, radishes, spinach, squash, sweet corn, tomatoes and turnips.



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**INSECTS CONTROLLED:** aphids, asparagus beetles, blister beetles, cabbage loopers, Colorado potato beetles, cross-striped cabbage worms, diamondback caterpillars, flea beetles, green peach aphids, harlequin bugs, imported cabbage worms, Japanese beetles, leafhoppers, leaf tiers, Mexican bean beetles, stink bugs, 12-spotted cucumber beetles, webworms and whiteflies.

#### **ORNAMENTALS, TREES, SHRUBS AND ROSES**

Apply as a fine mist, spraying plants on the upper and lower leaf surfaces.

**INSECTS CONTROLLED:** aphids (red, black and green peach), bagworms, thrips, flea beetles, Japanese beetles, lace bugs, leafhoppers, leaf rollers, leaf tiers, mimosa webworm larvae, plant bugs and whiteflies. Repeat treatment weekly, or as needed to control infestations.

**IN MUSHROOM PRODUCTION AND PROCESSING:** To control adult Mushroom Flies or Fungus gnats, Phorids, Sclerids and Cecidomyiids in growing houses, dilute 1 part concentrate in 1 part water (65 fluid ounces per gallon). Using mechanical or compressed air equipment (non-thermal) adjusted to deliver a fine mist, apply at a rate of 1 ounce per 1000 cubic feet of space. Fogger should be operated 8 to 10 feet away from beds and directed slightly upward over them. Circulating fans should be left in operation, but for best results, refrigeration should be turned off. In packing and canning plants, use at a rate of 1 ounce to 1000 cubic square feet of space.

**FOR USE IN FOOD PROCESSING PLANTS:** Do not breathe spray mist. Wear mask or respirator of a type recommended by the U.S. Bureau of Mines to give adequate protection against this material. Wear protective clothing. Wash exposed skin surfaces with soap and water after handling and before eating or smoking. Wash all contaminated clothing with soap and water before reuse.

Do not apply as a space spray while food processing is underway. Except in Federally inspected meat and poultry plants, when applied as a surface spray with care and in accordance with the directions and precautions given above, food processing operation may continue. Do not apply at any time as an undiluted space spray in edible product areas of federally inspected meat and poultry plants. Foods should be removed or covered before treatments. Thoroughly wash all food processing surfaces before reuse. All surfaces in processing areas must be washed and rinsed in potable water after spraying.

#### **STORAGE AND DISPOSAL**

**Storage:** Store in a cool, dry area, away from heat or open flame.

**Disposal:** Do not re-use container. Wrap and put in trash,

**BEST AVAILABLE COPY**

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
WARNING**

Concentrate causes substantial but temporary eye injury. Do not get in eyes or on clothing. When handling concentrate, wear goggles or face shield (non-domestic uses) or safety glasses (domestic uses). Harmful if swallowed. Remove pets, birds and cover fish aquaria before spraying. Do not breathe spray mist. wear mask or respirator of a type recommended by the U.S. Bureau of Mines to give adequate protection against this material. Wear protective clothing. Wash exposed skin surfaces with soap and water after handling and before eating and smoking.

**STATEMENT OF PRACTICAL TREATMENT**

- IF IN EYES:** Flush with plenty of water. Get medical attention.
- IF SWALLOWED:** Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician or poison control center immediately. Do not induce vomiting unless under a physician's care. This product contains petroleum distillate. Vomiting may cause aspiration pneumonia.
- IF ON SKIN:** Rinse affected area with plenty of water. Get medical attention if irritation persists. Remove contaminated clothing and wash with soap and water before reuse.
- IF INHALED:** Remove victim to fresh air. Apply artificial respiration if indicated. Give nothing by mouth to an unconscious person. Get medical attention if indicated.

**ENVIRONMENTAL HAZARDS**

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

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use, pour or spill near heat or open flame.