

AUG 1 1991

Mr. Jan Brill
Fairfield American Corporation
809 Harrison Street
Frenchtown, NJ 08825

Dear Mr. Jan Brill:

Subject: Label revision-precautionary statements
Multi-purpose Pyrenone Insecticide Concentrate
EPA Registration Number 4186-442
Pyrenone E.C. 10-1 Insecticide
EPA Registration Number 4816-451
Pyrenone Mosquito Capsules
EPA Registration Number 4816-630
Submissions dated July 19, 1991

The amendments referred to above, revising the PRECAUTIONARY STATEMENTS section, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, are acceptable. A stamped copy of the product label for each of the pesticides cited above is enclosed for your records.

The amendments referred to above are acceptable on the condition that the review of the toxicology data submitted for the identical product 4816-462, dated May 10, 1991, are acceptable to support Toxicity Categories IV for acute oral, acute dermal, acute inhalation, and primary skin irritation, and Toxicity Category III/IV for primary eye irritation.

Sincerely,

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

MULTI-PURPOSE PYRENONE® INSECTICIDE CONCENTRATE

EPA REG. NO. 4816-442

EPA EST. NO. 279-NY-1

- * FOR USE BY TRAINED PERSONNEL ONLY
- * A HIGHLY VERSATILE PYRENONE CONCENTRATE
- * MAY BE DILUTED WITH EITHER WATER OR OIL
- * FOR USE IN BAKERIES, BOTTLING PLANTS, CANNERIES, FLOUR MILLS, FOOD PROCESSING PLANTS, GRAIN ELEVATORS, HOSPITALS, HOTELS, MOTELS, RESTAURANTS, OUTDOORS FOR MOSQUITO CONTROL AND ON GROWING CROPS.

ACTIVE INGREDIENTS.

Pyrethrins	1.0%
*Piperonyl Butoxide, Technical	10.0%
†INERT INGREDIENTS	89.0%
	100.0%

*Equivalent to min. 8.0% (piperonyl butyl) (6-propylpiperonyl ether) and to 2.0% related compounds

†Contains Petroleum Sulfate

PYRENONE - Registered Trademark of Fairfield American Corporation

KEEP OUT OF REACH OF CHILDREN
CAUTION

See rear panel for additional precautions

DIRECTIONS FOR USE

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

This concentrate is designed to be diluted with water or oil before use. The resulting spray solution should be applied using good mechanical or compressed air fogging equipment.

NET CONTENTS: _____



**FAIRFIELD
AMERICAN
CORPORATION**
201 ROUTE 17 NORTH, RUTHERFORD, NJ 07070

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.

INDOOR APPLICATION: Remove pets, birds, and cacti from aquarium before spraying.

To control exposed stages of *House Flies*, including *Fruit Flies*, *Mosquitos*, *Gnats*, *Cluster Flies*, and *Flying Moths*, dilute 1 part concentrate in 19 parts water or oil (6 1/2 ounces per gallon or 5 gallons per 100). Close doors and windows and shut off ventilating systems. Apply as a fog or fine mist directing the spray toward the upper portions of the room and toward windows and other light sources which attract these insects. Thoroughly fill the area with mist using 1 to 2 ounces per 1000 cubic feet. Keep area closed for 10 minutes or more. Vacate after treatment and ventilate before reoccupying. Do not apply while food processing is underway. Repeat treatment as needed.

For initial clean out of infestations of *Cockroaches*, *Ants*, *Spiders*, *Silverfish*, *Earwigs*, *Palmetto Bugs*, *Waterbugs*, *Firebrats*, *Flat Beetles*, *Crickets*, *Boxelder Bugs*, *Scorpions*, and *Clover Mites*: dilute 1 part concentrate in 4 parts water or oil. Apply as a coarse droplet surface spray using approximately 1 gallon to 750 square feet. Spray thoroughly all surfaces where these insects are usually found including walls, baseboard moldings, doors, cabinets, shelves, sinks and pipes, with special attention to cracks and crevices, niches, dark corners, drains and similar hiding places. Treat ant trails, nest and runs. When possible, spray insects directly.

Repeat treatment using a dilution of 1 plus 9 at the same rate of application after an interval of one month or when reinfestation occurs.

IN MILLS, ELEVATORS AND GRANARIES: For rapid initial kill of exposed or accessible stages of *Granary Weevil*, *Rice Weevil*, *Confused Flour Beetle*, *Rust Red Flour Beetle*, *Cadelle*, *Sawtoothed Grain Beetles*, *Spider Beetle*, *Dried Fruit Beetles*, *Dark Meal Worms*, *Dermestid Beetles*, *Bean Weevils*, *Cheese Mites* and *Grain Mites*: dilute at a rate of 1 part concentrate to 9 parts water or oil. Clean out any waste grain, dust, dirt or debris and destroy before spraying. Apply as a coarse droplet spray using approximately 1 gallon to 750 square feet of surface.

Infested stored products should be fumigated or treated by other effective methods using an approved product intended for this use.

In mills, elevators, and granaries, thoroughly spray floors, walls and other surfaces of bins, storage and handling areas with particular attention to cracks, crevices, and similar protected locations. Treat unloading, handling and processing areas, and apply the insecticide to conveying, processing and handling equipment, such as the inside of reel conveyors, purifier conveyors, sifters, roll housings and hoppers, pick up conveyors, etc. Spray thoroughly around the base of heavy machinery and equipment

Thoroughly treat walls, floors, and lightly spray stacked.

Sack surfaces of bagged moist.

For protection in transit, before loading. Using water, apply at a rate of particular attention to

To control exposed *Angoumois Grain Moths*: dilute 1 part concentrate in 4 parts of water or oil (2 gallons per square foot). Apply at appearance of moths and infestation, break up with a second application in

ON LIVESTOCK: Dilute 1 part concentrate to 39 parts water and spray thoroughly. Pay particular attention to the head and other infested areas. Repeat for small insect populations in large numbers.

To control *Stable Flies*: dilute 1 part concentrate to 9 parts water and wet the hair thoroughly on the underline, flanks, withered by these flies. Repeat control face flies, dilute 1 part spray which produces the animal in the morning sufficiently to wet the animal. Repeat daily as

For effective control of (sucking) *Blue Lice*: dilute this concentrate to thoroughly wet the brush the tail. Repeat lice.

To control *Poultry Lice*: dilute birds by submerging in the wings away from infested areas. In order warm day or in a warm

For control of *Bedbug*: dilute of concentrate with 9 poles, cracks in walls, mites hide.

BEST AVAILABLE

To control *Sheep "tick"* or *Ked*, dilute at the rate of 1 part of concentrate to 100 parts of water and thoroughly wet all portions of the body by dipping or by spraying with sufficient pressure and with a nozzle adjustment to give penetration of the wool. Treat at a rate sufficient to wet the animal.

To kill *Fleas* on livestock and pets, and to obtain protection against reinestation, dilute at 1 to 16 in water and wet the animal by dipping or spraying. For best results against fleas and ticks on dogs, the kennels or animal quarters and bedding should also be treated.

To control *Spinose Ear Tick*, dilute at the rate of 1 part concentrate to 24 parts water and apply by individual treatment, syringing or pouring 1 to 2 ounces into each ear of large animals or a few drops into the ears of dogs.

IN BARN, MILKING PARLORS, MILK ROOMS, AND DAIRIES:

To control *Flies*, *Mosquitoes* and *Gnats*, dilute at the rate of 1 part concentrate to 9 parts of water or oil and apply as fog or line mist, directing the spray toward the ceiling and upper corners until the area is filled with mist using about 2 ounces per 1000 cubic feet of space. For best results, close doors and windows before spraying and keep them closed for ten to fifteen minutes. Vacate the treated area and ventilate before reoccupying. Repeat application as necessary.

MOSQUITO CONTROL OUTDOORS: To control *Adult Mosquitoes*, using ground application, dilute 1 part concentrate in 7 parts of water or oil. Apply as a fine mist or fog. Treat shrubbery and vegetation where mosquitoes may rest. Shrubby and vegetation around stagnant pools, marshy areas, ponds and shore lines may be treated. Application of this product to any body of water is prohibited, when using for adult mosquito control. Repeat as necessary, usually once or twice a week.

With mobile or truck mounted equipment the above application rate will result if a 400 foot swath is treated, traveling at 15 mph, dispensing spray at a rate of 40 gallons per hour. Application using fixed-wing aircraft: Use 6 to 12 ounces of concentrate in 4 gallons of water per acre. To control mosquito larvae, dilute 2 1/2 pint; of concentrate in 5 gallons of oil and supply at a rate of 5 gallons per acre. Apply as a coarse wetting spray uniformly over wet lands, swamps, marshes, or shallow waters. Do not exceed this dosage or fish kill may result.

ON GROWING CROPS: May be used on edible crops (outdoors or in greenhouses) up to and including day of harvest. Especially desirable as a clean up or pre-harvest spray where other materials may not be used due to residue restrictions. When applied according to accepted use cautions and directions, this concentrate may be used in combination with other insecticides where resistant insects are a problem or as an "excitor" where insects are flushed out of hiding and into contact with spray residues.

On the following crops to control the insects named, use 12 to 36 ounces per acre in sufficient water to allow thorough coverage (usually 100 gallons) or 3 oz. in 1 gallon of water to treat 500 square

feet. Coverage of upper and lower leaf surfaces is essential for good control.

CROPS: Asparagus, Beans, Broccoli, Cabbage, Brussels Sprouts, Cauliflower, Celery, Cranberries, Eggplants, Lettuce, Mustard Greens, Kale, Collards, Turnips, Peppers, Potatoes, Radishes, Spinach and Tomatoes.

TO CONTROL: *Asparagus Beetles, Aphids, Leafhoppers, Whiteflies, Mexican Bean Beetles, 12-spotted Cucumber Beetles, Cabbage Loopers, Cross-Striped Cabbageworms, Diamondback Moth Larvae, Flea Beetles, Harlequin Bugs, Imported Cabbageworms, Silk Bugs, Green Peach Aphids, Leaf Tiers, Fireworms, Blister Beetles, Colorado Potato Beetles, and Webworms.*

ORNAMENTALS: (African Violets, Asters, Azaleas, Begonias, Camellias, Carnation, Chrysanthemums, Dahlias, Dogwood, Geraniums, Gladioli, Marigolds, Roses, Rubber Plants, wandering Jows, etc.) *Aphids, Flea Beetles, Leafhoppers, Whiteflies, Japanese Beetles and Gypsy Moth Adults and Caterpillars.*

DROSOPHILA OR FRUIT FLY CONTROL: Dilute at the rate of 6 parts concentrate with 1200 parts water (6 pints per 150 gallons or 6 tablespoonsful with 4 gallons water). Thoroughly mix the emulsion in the spray tank. Make treatments as follows:

1. To protect tomatoes and fruits in baskets on trucks or in plants, use a product registered for this use such as Pyrenone Crop Spray, Code 2870.
2. Spray the raw stock stacked in the yard.
3. Dip baskets in the diluted spray dumping the fruit to kill adhering larvae and pupae.
4. After washing and cleaning up the inside of the processing plant and just prior to bringing fruit into it, the entire space inside the cannery should be sprayed at a dilution of 6 parts concentrate to 59 parts water (6 pints with 7 gallons 3 pints water or 12 tablespoonsful with 3 1/4 pints water). At the rate of 1 gallon to 750 square feet (1 qt to 188 square feet) direct spray on walls, ceilings, and floors, paying special attention to forcing spray into all cracks and crevices.

STORAGE AND DISPOSAL

FOR CONTAINERS LARGER THAN ONE GALLON:

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE AND SPILL PROCEDURES: Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste.

PESTICIDE DISPOSAL: Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved State and local procedures.

FOR CONTAINERS ONE GALLON AND SMALLER:

STORAGE: Store in original container in a cool dry place inaccessible to children and pets and away from heat and sunlight.

DISPOSAL: Wrap container in several layers of newspaper and discard in trash.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS CAUTION

Avoid contact with skin, eyes and clothing. Prolonged or repeated skin contact may cause allergic reactions in some individuals. If contact occurs, flush eyes or skin with plenty of water. Get medical attention if irritation persists. Wash hands after using. If swallowed: call physician. Do not induce vomiting. Remove pets, birds and cover fish aquaria before spraying. Wear mask or respirator of a type recommended by the U.S. Bureau of Mines to give adequate protection against this material when space spraying.

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 operations 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. Food processing surfaces and equipment must be covered during treatment or cleaned with a suitable detergent and rinsed with potable water before reuse.

When using in animal quarters, do not apply directly to food, water or food supplements. Wash teats of dairy animals before milking.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to lakes, streams, or ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Shrimp and crabs may be killed at application rates recommended on this label. Do not apply where these are important resources.

PHYSICAL OR CHEMICAL HAZARDS

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

Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.