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PYRENONE[®] MULTI-PURPOSE E.C. 60-6

CODE 720.80

SHOULD BE
1981

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U.S. DEPARTMENT OF AGRICULTURE
WASHINGTON, D.C. 20250
EPA Reg. No. 4816-606

For use by trained personnel only.

A HIGHLY VERSATILE PYRENONE[®] INSECTICIDE CONCENTRATE

For use in Bakeries, Bottling Plants, Canneries, Flour Mills, Food Processing Plants, Grain Elevators, Hospitals, Hotels, Motels, Poultry Houses, Restaurants, and Outdoors for Mosquito Control and on Growing Crops.

PROVIDES RAPID KILL OF INSECTS WITHOUT OBJECTIONABLE RESIDUES.

May Be Applied As A Wet Spray In Food Plants While In Operation.

ACTIVE INGREDIENTS

Pyrethrins	6.0%
*Piperonyl Butoxide, Technical	60.0%
**INERT INGREDIENTS	34.0%
	100.0%

*Equivalent to 48Z (butylcarbityl)(6-propyl-piperonyl) ether and to 12Z related compounds.

**Contains Petroleum Distillate

EPA Reg. No. 4816-606
EPA Est. No. 279-NY-1
FAIRFIELD - Registered Trademark of Fairfield American Corporation.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See side panel for additional precautions.

EPA Reg. No. 4816-606

EPA Est. No. 279-NY-1

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.

The insecticidal components of this concentrate, pyrethrins and piperonyl butoxide, are classified as food additives, and when used as directed allowable tolerance levels will not be exceeded.

INDOOR APPLICATION: Remove pets, birds, and cover fish aquarium before spraying.

To control exposed stages of flies, including fruit flies, mosquitoes, gnats, and small flying moths, dilute 1 part concentrate in 119 parts water or oil (1.1 ounces per gallon or 3 quarts 10 ounces 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. Repeat treatment as needed.

For initial clean out of infestations of cockroaches, ants, spiders, silverfish, crickets, boxelder bugs, scorpions, and clover mites: dilute 1 part concentrate in 29 parts water or oil (4.3 fluid ounces per gallon). 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, nests and runs. When possible, spray insects directly.

Repeat treatment using a dilution of 1 plus 59 (2.1 fluid ounces per gallon) at the same rate of application after an interval of one month or when reinfestation occur.

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, saw-toothed grain beetle, spider beetle, cheese mites, and grain mites: dilute at a rate of 1 part concentrate to 59 parts water or oil (2.1 fluid ounces per gallon). Clean out of 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, shelves and other exposed surfaces, and lightly spray each layer of cartons or containers as stacked.

Sack surfaces of bagged grain can be sprayed lightly until slightly moist.

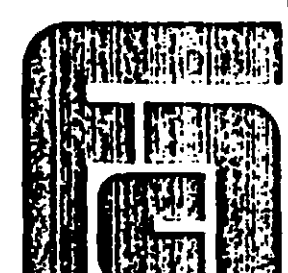
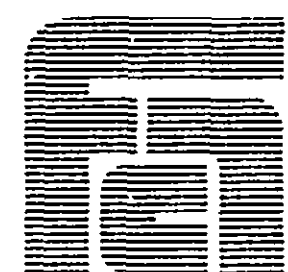
For protection in transit, treat truck beds, box cars, and ships' holds before loading. Using a dilution of 1 part concentrate in 59 parts water (2.1 fluid ounces per gallon), apply at a rate of 1 gallon to 750 square feet of surface with particular attention to cracks, crevices, and similar hiding places.

To control exposed accessible stages of Indian meal moth and Angoumois grain moth in stored grain: dilute 1 part of concentrate in 29 parts of water (4.3 fluid ounces per gallon) and apply to the surface of the binned grain at a rate of 2 gallons per 1000 square feet (16 pints per 100 square feet). Apply at monthly intervals beginning with the first appearance of moths and continuing until early fall in case of severe infestation, break up webbing with rake before spraying and make a second application in two weeks.

ON LIVESTOCK:

To control horn flies, house flies, mosquitoes and gnats, dilute at the rate of one part concentrate to 279 parts water (0.5 fluid ounces per gallon) and apply to wet the hair thoroughly, with particular attention to topline, underline, flanks, withers, and other infested areas. Repeat treatment at intervals of 5 to 12 days for small insect populations or as needed when flies are emerging in large numbers.

SEE REVERSE SIDE



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control stable flies, horse flies, and deer flies, dilute one part concentrate to 59 parts water (2.1 fluid ounces per gallon) and apply quart per adult animal to wet the hair thoroughly with particular attention to the ears, flanks, barrel, topline and other body areas commonly attacked by these flies. Repeat treatment each week or as needed.

control face flies. Dilute one part concentrate to 59 parts water (2.1 fluid ounces per gallon). Use a spray which produces large wetting droplets. Apply to the face of the animal in the morning before releasing to pasture. Apply sufficiently to wet the face but not more than 1/2 ounces per animal. Repeat daily as needed.

For effective control of mottled stages of biting yellow lice and (sucking) blue lice on cattle, horses, sheep, goats, and hogs, dilute this concentrate at a rate of 1 part in 600 parts water. Spray to thoroughly wet the hair of the animal including the head and brush of the tail. Repeat treatment in 10 days to kill newly hatched lice.

To control poultry lice, using a dilution of 2.1 fluid ounces of concentrate per gallon of water (1 part concentrate to 59 parts water) spray roosts, walls and nests or cages, thoroughly. This should be followed by spraying over the birds with a fine mist.

For control of bedbugs and mites in poultry houses, dilute one part of concentrate with 59 parts of water and spray crevices of roost poles, cracks in walls, and cracks in nests where the bedbugs and mites hide.

To control sheep "tick" or ked, dilute at the rate of one part of concentrate to 600 parts of water (0.2 fluid ounces per gallon) 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 reinfestation, dilute at one to 59 in water (2.1 fluid ounces per gallon) 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 one part concentrate to 159 parts water (0.8 fluid ounces per gallon) 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, DAIRIES, AND POULTRY HOUSES: To control flies, mosquitoes, and gnats, dilute at the rate of one part concentrate to 59 parts of water or oil (2.1 fluid ounces per gallon) and apply as a fog or fine 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 4 parts water or oil (25.6 fluid ounces per gallon). 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 used for adult mosquito control. With mobile or truck mounted equipment the above application rate will result if a 300 foot swath is treated, traveling at 5 mph, dispensing spray at a rate of 10 fluid ounces per minute. Repeat as necessary usually once or twice a week.

Application using fixed wing aircraft: Use 1 to 2 ounces of concentrate in 4 gallons of water per acre.

To control mosquito larvae, dilute 7 ounces of concentrate in 5 gallons of oil and apply 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 "exciter" where insects are flushed out of hiding and into contact with spray residues.

On the following crops to control the insects named, use 2 to 6 ounces per acre in sufficient water to allow thorough coverage (usually 100 gallons). Coverage of upper and lower leaf surfaces is essential for good control.

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CROPS	INSECTS
Asparagus	Asparagus Beetle
Beans	Aphids, Leafhoppers, Whitefly, Mexican Bean Beetle, 12-spotted Cucumber Beetle
Broccoli, Cabbage, Brussels Sprouts, Cauliflower	Aphids, Cabbage Looper, Cross-striped Cabbage-worm, Diamondback Moth Larvae, Flea Beetle, Harlequin Bug, Imported Cabbageworm, Stink Bug
Celery	Green Peach Aphid, Cabbage Looper, Leaf Tier
Cranberries	Fireworms, Leafhopper
Eggplants	Blister Beetle, Colorado Potato Beetle, Flea Beetle, Green Peach Aphid
Lettuce	Cabbage Looper, Green Peach Aphid, Diamondback Moth Larvae, Imported Cabbageworm
Mustard Greens, Kale, Collards, Turnips	Imported Cabbageworm, Diamondback Caterpillar, Aphids, Cabbage Looper
Peppers	Green Peach Aphid
Potatoes	Aphids, Colorado Potato Beetle, Flea Beetle, Leafhopper

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