

CODE
2870

DIRECTION
LEAFLET

PYRENONE® CROP SPRAY

INSECTICIDE

EPA Reg. No. 4816-490
EPA Est. No. 279-NY-1

ACTIVE INGREDIENTS:	
Pyrethrins	6.00%
Piperonyl Butoxide, Technical	60.00%
Petroleum Distillate	24.00%
INERT INGREDIENTS:	10.00%
	100.00%

*Equivalent to 48.0% (butylcarbityl) (6-propylpiperonyl) ether and to 12.0% related compounds.

PYRENONE - Registered trademark of
Fairfield American Corp.

Keep Out Of Reach Of Children

CAUTION

Harmful if swallowed

ACCEPTED
17 AUG 1978
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under,
EPA Reg. No. 4816-490

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS CAUTION

Harmful if swallowed. When using in an enclosed area, do not remain in treated area. Ventilate the area after treatment is completed. Foods 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.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not contaminate water by cleaning of equipment or disposal of wastes. Keep out of lakes, streams or ponds.

PHYSICAL OR CHEMICAL HAZARDS

Do not use in undiluted form.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

Do not reuse empty container.
Wrap container and put in trash collection.

Pyrenone Crop Spray is designed for use alone as a clean-up spray or as a pre-harvest spray where other materials cannot be used because of residue restrictions. When applied according to accepted use cautions and directions, Pyrenone Crop Spray may also 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.

Apply the listed amount per acre and repeat as required to maintain effective control. Use in sufficient water for thorough coverage (usually 100 gallons) unless otherwise noted, for listed crops. Coverage of upper and lower leaf surfaces is essential for good control.

When used alone, Pyrenone Crop Spray may be used up to and including day of harvest.

CROP	INSECTS	DOSEAGE*
Asparagus	Asparagus Beetle	2 to 6 oz.
Beans	Aphids, Leafhoppers, White Fly, Mexican Bean Beetle, 12-Spotted Cucumber Beetle.	2 to 6 oz.
Broccoli, Cabbage, Brussels Sprouts, Cauliflower	Aphids, Cabbage Looper, Cross-striped Cabbageworm, Diamondback Moth Larvae, Flea Beetle, Harlequin Bug, Imported Cabbageworm, Stink Bug.	2 to 6 oz.
Celery	Green Peach Aphid, Cabbage Looper, Leaf Tier.	2 to 6 oz.
Cranberries	Fireworms, Leafhoppers	2 to 6 oz.
Eggplants	Blister Beetle, Colorado Potato Beetle, Flea Beetle, Green Peach Aphid.	2 to 6 oz.
Lettuce	Cabbage Looper, Green Peach Aphid, Diamondback Moth Larvae, Imported Cabbageworm.	2 to 6 oz.
Mustard Greens, Kale, Collards, Turnips	Imported Cabbageworm, Diamondback Caterpillar, Aphids, Cabbage Looper.	2 to 6 oz.
Peppers	Green Peach Aphid	2 to 6 oz.
Potatoes	Aphids, Colorado Potato Beetle, Flea Beetle, Leafhopper	2 to 6 oz.
Radish	Aphids, Flea Beetle.	2 to 6 oz.
Spinach	Aphids, Cabbage Looper, Webworm.	2 to 6 oz.
Tomatoes	Green Peach Aphid, Colorado Potato Beetle, Stink Bug, Flea Beetle.	2 to 6 oz.
Ornamentals (African Violets, Asters, Azaleas, Begonias, Camellias, Carnations, Chrysanthemums, Dahlias, Dogwood, Geraniums, Gladioli, Marigolds, Roses, Rubber Plants, Wandering Jews)	Aphids, Flea Beetles, Leafhoppers.	2 to 6 oz.

See reverse side for further
instructions

FAIRFIELD
AMERICAN
CORPORATION

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Medina, New York 14103

4816-490

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Mosquitoes: May be used on croplands as an adulticide to protect agricultural workers during harvesting. Use at 1 oz. per 4 gallons water per acre when applied by fixed wing aircraft.

Fruit Fly Control (Drosophila): Dilute at the rate of 1 part Pyrenone Crop Spray with 1200 parts of water (1 pint per 150 gallons or 1 tablespoon with 4 gallons water). Thoroughly mix the emulsion in the spray tank. Make treatments as follows:

1. Apply liberally to tomatoes and fruits in baskets, on trucks or in plants. Use sprayers at a high pressure for applying at the rate of five or six pints of the diluted spray to a two-ton load of tomatoes. Direct the spray for a maximum coverage of the baskets or hampers. It is important to spray between and beneath the containers. This spray not only kills the flies, but the emulsion loosens any dead flies so that they are readily washed from the fruit.

2. Spray the raw stock stacked in the yard.

3. Dip baskets in the diluted spray after dumping the fruit, to kill adhering larvae and pupae.

4. After washing and cleaning up the inside of the processing plant and prior to bringing fruit into it, the entire space inside the cannery should be sprayed at a dilution of 1 part Pyrenone Crop Spray to 59 parts water (1 pint with 7 gallons 3 pints water or 2 tablespoons with 3 1/4 pints water). At the rate of 1 gallon to 750 square feet (1 quart to 187 square feet), direct spray on walls, ceilings and floors paying special attention to forcing the spray into all cracks and crevices for the control of ants, roaches, silverfish, crickets, spiders and cheese mites.

For use as a SPACE SPRAY in the processing plants, this dilution will give excellent control of flying insects, fruit flies, house flies, hornets, grain moths, gnats, mosquitoes and skipper flies. Apply at the rate of 1/2 ounce per 1000 cubic feet of space. Do not spray while the plant is in operation as dead flies may fall into containers or the product being processed.

SPACE SPRAY

To control flying insects, fruit flies, hornets, wasps, grain mites, gnats, mosquitoes and skipper flies in warehouses, food processing plants, industrial installations, dilute one part Pyrenone Crop Spray with 59 parts water (2 tablespoons with 3 1/4 pints water). Use at the rate of 1/2 ounce per 1000 cubic feet of space. Direct the spray upward and, whenever practical, keep doors and windows closed for at least 10 minutes after application.

Where oil residues are not undesirable, Pyrenone Crop Spray can be diluted in deodorized base oil instead of water at the dilution rate of 1-59 and applied by means of any good type of applicator.

GRAIN PROTECTION

Pyrenone Crop Spray is an emulsifiable concentrate that, when diluted with water and sprayed directly on grains, will effectively protect them against grain storage insects for a full season or approximately 8 months. This product is not intended for use on heavily infested grain.

Pyrenone Crop Spray can be safely used on wheat, oats, corn, barley and rye held in storage for the control of the accessible stages of rice weevil, granary weevils, confused flour beetles, saw-toothed grain beetles, flat grain beetles, rusty grain beetles, square necked grain beetles, red flour beetles, cadelle beetles and angoumois grain moths.

1. Clean up Storage Sites: The bins, cribs or other types of storage should be thoroughly cleaned by sweeping out the waste grain, cobwebs and other debris on the walls and rafters as well as on the floor and about the door frames, paying special attention to the material lodged in the cracks and crevices. These accumulations should be removed and burned to kill eggs and insects that might be present.

In mills and elevators, particular attention should be given to the bin hoppers to remove all grain infested accumulations. Conveying equipment should also be made clean and free of trash deposits that could maintain an infestation. For farms, specific attention should be given to cleaning up around the used feed and grain bags, grain residues from wagons, harvesting equipment and feed troughs. Newly

harvested grain should not be placed in the same bin with carry-over grain and all carry-over stocks not treated with grain protectant should be fumigated. These cleaning operations should be done within two to three weeks before harvest.

Spraying of Bins: Spray grain bins and other storage areas prior to using them for storage. For this purpose, dilute 1 part of Pyrenone Crop Spray with 59 parts of water (1 pint with 7 gallons 3 pints of water). Apply at the rate of one gallon per 750 square feet as a residual type of insecticide on walls, floors, ceilings and partition boards of bins, paying particular attention to forcing the spray into all cracks and crevices.

2. Treatment of Grain with Pyrenone Crop Spray: Dilute at the rate of 1 part Pyrenone Crop Spray with 29 parts water (1 pint with 3 gallons 5 pints water). Thoroughly mix the emulsion. The diluted spray emulsion is required. Apply at an even rate on the grain as it is carried along a belt or as it enters the elevator or auger. The diluted spray should be applied directly to the stream of grain for maximum tumbling of the grain and permitting a more thoroughly mixing of the grain with the protectant. Apply at the rate of 4 to 5 gallons per 1000 bushels of grain as it is carried along a belt or as it enters the auger or elevator.

Monthly inspections of the grain should be made. If the top two or three inches of grain are found to be infested, re-treat by diluting 1 part Pyrenone Crop Spray with 29 parts water (1 pint with 3 gallons 5 pints of water) and applying at the rate of 1 to 2 gallons of diluted material per 1000 bushels of grain.

LIVESTOCK SPRAY

Pyrenone Crop Spray may be used on cattle and other livestock to protect against horse flies, horn flies, stable flies, house flies and mosquitoes. This product is also effective for the control of blood-sucking lice and sheep "ticks".

PROTECTION OF DAIRY ANIMALS

Horn flies, mosquitoes, gnats: Dilute 1 pint of Pyrenone Crop Spray with 30 gallons of water (2 tablespoonsful with 13 pints of water) and apply 1 to 2 quarts per animal, with particular attention to top line, under line, flanks, withers, ears and other infested areas. Repeat treatment at intervals of 5 days or as needed.

Stable flies and horse flies: Dilute 1 pint of concentrate with 7 1/2 gallons of water (4 tablespoonsful with 6 1/2 pints of water) and apply 1 to 2 quarts per adult animal with particular attention to legs, flanks, barrel, top line and other body areas commonly attacked by these flies. Repeat treatment each 3 days or as needed.

Cattle Lice: Dilute 1 quart of concentrate with 150 gallons of water (1 tablespoonful with 2 gallons of water) to obtain effective control of the active stages of both sucking or biting lice on beef and dairy cattle. Apply sufficient spray to thoroughly wet all portions of the body.

PROTECTION OF OTHER LIVESTOCK

Horse, Sheep, Goat and Hog Lice: Dilute 1 quart of concentrate in 150 gallons of water (1 tablespoonful with 2 gallons of water) for control of the active louse stages. Apply for thorough body coverage.

Sheep "Tick" or Ked: Use 1 quart of concentrate in 150 gallons of water (1 tablespoonful with 2 gallons of water) and thoroughly wet all portions of the body by dipping or by spraying with sufficient pressure and nozzle adjustment to penetrate into the wool. Treat at a rate of 1 to 4 pints per animal according to the size of the animals and the condition of the fleece.

Treat All Animals: It is important to treat all infested animals at one time. An infested animal in the group that is not treated can readily re-infest those animals that were previously treated. If necessary, repeat the treatments.

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