

[279-2715]

CODE
2870



PYRENONE CROP SPRAY

INSECTICIDE

EPA Reg. No. 106-715

ACTIVE INGREDIENTS	
Technical piperonyl butoxide	60.0%
Pyrethrins	6.0%
Petroleum Distillate	16.0%
INERT INGREDIENTS	18.0%
	100.0%

(Equivalent to 48.0% Butyl arbutyl 6-propylpiperonyl ether and 12% of other related compounds.)

CAUTION

KEEP OUT OF REACH OF CHILDREN.

HARMFUL IF SWALLOWED.

USAGE CAUTIONS

Do Not Use In Unfluted Form

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

This product is toxic to fish. Keep out of lakes, streams or ponds. Apply this product only as specified on this label.

Do not reuse empty containers. Destroy by perforating or crushing and bury in a safe place.

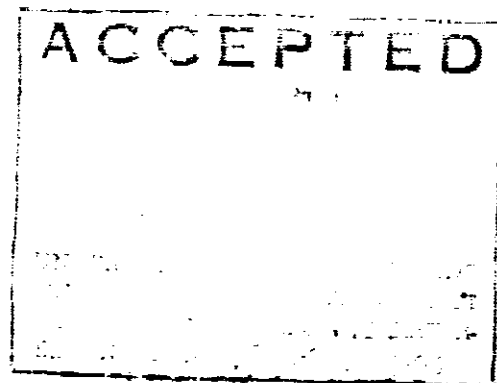
Dealers Should Sell in Original Packages Only.

TERMS OF SALE OR USE: On purchase of one of this product buyer and user agree to the following conditions:

WARRANTY: Niagara warrants that this product, as of the time of sale by Niagara, is conforming to the ingredients statement on the label, and is reasonably fit for the purposes set forth on the label for use. EXCEPT AS SO WARRANTED THE PRODUCT IS SOLD AS IS. NIAGARA MAKES NO OTHER WARRANTY EXPRESS OR IMPLIED.

DAMAGES: Buyer or user, exclusive remedy for damages for breach of warranty or negligence shall be limited to the purchase price not exceeding the purchase price paid and shall not include consequential damages. Notice of any claim must be received by Niagara within 30 days of discovery by buyer or user, failing which buyer or user waives any claim for such damage.

EXCUSE FROM NON-CONTROLLABLE CONDITIONS: Because of certain critical conditions beyond the control of the buyer or user, for which Niagara has no control, buyer and user, as a condition of purchase for use, assume responsibility for and release Niagara from liability arising out of the handling or use of the product attributable to such causes. No person is authorized to vary or waive any statement contained herein.



279-2715-013



DIRECTIONS FOR USE Code 2870

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 "over" when insects are flushed out of hiding and into contact with spray residues.

Apply the 1.5% dilution per acre and repeat as required to maintain effective control. Use in combination with other sprays usually 100 gallons/acre, or more, with 1 to 2 gallons per acre of water and lower dilutions for use on smaller areas.

When used alone, PYRENONE CROP SPRAY may be used up to and including day of harvest.

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, Leafhopper - 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

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, Hibiscus, Impatiens, Roses, Rubber Plants, Wandermul, etc. Aphids, Flea Beetles, Leafhoppers - 2 to 6 oz.

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

DROSOPHILA: Fruit Fly Control. Dilute at the rate of 1 part Niagara Pyrenone Crop Spray with 1200 parts water, 1 pint per 150 gallons or 1 tablespoonful 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 and 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-foot 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 eggs which become very difficult to control if 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 just prior to bringing fruit into it, the entire space inside the cannery should be sprayed at a dilution of 1 part Niagara Pyrenone Crop Spray to 50 parts water, 1 pint with 7 gallons 1 pint water or 2 tablespoonfuls with 4 1/4 pints water. At the rate of 1 gallon to 750 square feet, 1 quart to 187 sq. ft. 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, ticks, spiders and cheese mites.

For use as a space spray in the processing plants this dilution will give excellent control of flying insects, such as fruit flies, hornets, cran moths, gnats, mosquitoes, and skipper flies. Apply at the rate of one-half ounce per 1000 cubic feet of space. Direct spray while the plant is in operation as long as this may fall into containers or the product being processed.

SPACE SPRAY: To control flying insects such as fruit flies, hornets, wasps, cran moths, gnats, mosquitoes, and skipper flies, dilute one part Niagara Pyrenone Crop Spray with 50 parts water, 2 tablespoonfuls with 3 1/4 pints water, use at the rate of one-half ounce per 1000 cubic feet of space. Direct the spray treatment upward and whenever practical keep doors and windows closed for at least ten minutes after application.

VAPORIZER APPLICATORS: Where oil residues are not undesirable Niagara Pyrenone Crop Spray can be diluted in deodorized kerosene oil instead of water at the dilution rate of 1:50 and applied by means of any good vaporizer type of applicator.

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NIAGARA PYRENONE CROP SPRAY

LIVESTOCK SPRAY

Niagara 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 bloodsucking lice and sheep "ticks".

DIRECTIONS FOR USE

PROTECTION OF DAIRY ANIMALS

Horn Flies, Mosquitoes, Gnats: Dilute 1 pint of Niagara Pyrenone Crop Spray with 30 gallons of water (1 tablespoonful with 1 quart of water) and apply 1 to 2 quarts per animal, with particular attention to the neck, 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 tablespoonful with 9/16 pints water) and apply 1 to 2 quarts per adult animal with particular attention to legs, flanks, tail, 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 and 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.

GRAIN PROTECTION

Niagara 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.

Niagara 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 moth.

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 Niagara Pyrenone Crop Spray with 50 parts water (1 pint with 7 1/2 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 Niagara Pyrenone Crop Spray:** Dilute at the rate of 1 part Niagara Pyrenone Crop Spray with 20 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 of 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 thorough mixing of the grain with the protectant. Apply at the rate of 4 to 5 gallons per 1,000 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 one to two or three inches of grain are found to be infested, re-treat by diluting 1 part Niagara Pyrenone Crop Spray with 20 parts water (1 pint with 3 gallons 5 pints of water) and applying at the rate of 4 to 5 gallons of dilute concentrate per 1,000 bushels of grain.