

PROPOSED LABEL COPY

Product Name: Dionne Insecticide
Spray Concentrate
Formulation/
Product Number:
Authored by:
Reviewed by:

Label Dimensions
Height:
Width:
Paper Type:
Paper Weight:

DIONNE INSECTICIDE SPRAY CONCENTRATE

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

For Use in Barns, Stables, Pens, Horsebarns, Buildings, Dairybarns, Milking Parlors, Milkrooms, Kennels and Poultry Houses.

Provides Rapid Kill of Insects Without Objectionable Residues.

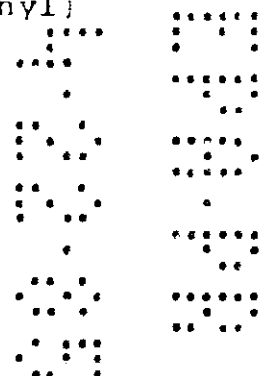
May Be Applied as a Wet Spray in Food Plants while in Operation.

ACTIVE INGREDIENTS:

Pyrethrins.....	3.00%
*Piperonyl Butoxide, Technical.....	30.00%
Petroleum Distillate.....	12.00%
INERT INGREDIENTS:.....	55.00%
	<u>100.00</u>

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

KEEP OUT OF REACH OF CHILDREN
CAUTION
See side 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.

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.

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:

To control exposed stages of houseflies, including fruit flies, mosquitoes, gnats and small flying moths dilute 1 part concentrate in 59 parts water (2.1 ounces per gallon or 115.5 ounces per 55 gallons). 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 14 parts water (8.5 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, baseboards, 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 29 (4.3 fluid ounces per gallon) 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 stage of granary weevil, rich weevil, confused flour beetle, rust red flour beetle, cadelle, sawtoothed grain beetle, cheese mite and grain mite. Dilute at a rate of 1 part concentrate to 29 parts water (4.3 fluid ounces per gallon). 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, 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 29 parts water (4.3 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 14 parts of water (8.5 fluid ounces per gallon) and apply to the surface of the binned grain at a rate of 2 gallons per 1000 square feet (1.6 pints per 1000 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.

IN BARNS, STABLES, PENS, HORSEBARNs, HOG CONFINEMENT BUILDINGS, DAIRY BARNS, MILKING PARLORS, MILK ROOMS, KENNELS, AND POULTRY HOUSES: To control exposed stages of horn flies, house flies, mosquitoes, gnats, stable flies, horse flies and deer flies dilute 1 part concentrate in 59 parts water (2.1 ounces per gallon or 115.5 ounces per 55 gallons). Close doors and windows and shut off ventilating systems. Apply as a fog or fine mist, directing spray toward 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 cleanout of infestations of cockroaches, ants, spiders, silverfish, crickets, fleas, lice and mites dilute 1 part concentrate in 14 parts water (8.5 fluid ounces per gallon or 3 2/3 gallons per 55 gallons). 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, baseboards, 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 29 (4.3 fluid ounces per gallon) at the same rate of application after an interval of one month or when reinfestation occurs.

ON HORSES AND LIVESTOCK: To control horn flies, house flies, mosquitoes and gnats, dilute at the rate of 1 part concentrate to 119 parts water (1 fluid ounce per gallon or 55 fluid ounces per 55 gallons) and apply to wet the hair thoroughly with particular attention to the topline, underline, flanks, withers, and other infested areas. Repeat treatment at intervals of 3 to 12 days for small insect populations or as needed when flies are emerging in large numbers.

To control stable flies, horse flies, and deer flies, dilute 1 part concentrate to 59 parts water (2.1 fluid ounces per gallon or 119.3 per 55 gallons) and apply a quart per adult animal to wet the hair thoroughly with particular attention to the legs, flanks, barrel, topline, and other body areas commonly attacked by these flies. Repeat treatment each week or as needed.

For effective control of biting and sucking lice on cattle, horses, and goats, dilute at a rate of 1 part concentrate to 299 parts water (1 quart with 75 gallons or 23.5 ounces with 55 gallons or 1 tablespoon with a gallon) and spray to thoroughly wet the hair of the animal, including the head and brush of the tail. Repeat treatment in ten (10) days to kill newly hatched lice.

ON SWINE: For effective control of biting and sucking lice on hogs (swine) dilute at a rate of 1 part concentrate to 299 parts water (1 quart with 75 gallons or 23.3 ounces with 55 gallons or 1 tablespoon with a gallon) and spray to thoroughly wet the hair of the animal including the head and brush of the tail. Repeat treatment in ten (10) days to kill newly hatched lice.

ON POULTRY: To control poultry lice, use a dilution of 4 fluid ounces of concentrate per gallon of water. Spray roosts, walls, 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 at a rate of 4 fluid ounces of concentrate per gallon of water and spray crevices of roost poles, cracks, walls and cracks in nests where bedbugs and mites hide.

ON PETS: To kill fleas and lice on pets, and to obtain protection against reinfestation, dilute at one to 59 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 one part concentrate to 74 parts water (1.7 fluid ounces per gallon or 9.73 gallon per 55 gallons) and apply by individual treatment, spraying or pouring 2 ounces into each ear of large animals or a few drops into the ears of dogs.

MOSQUITO CONTROL OUTDOORS: To control adult mosquitoes, using ground application, dilute 1 part concentrate in 4 parts of water (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 or shore lines may be treated. Application of this product to any body of water is prohibited, when used 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 300 foot swath is treated, traveling at 5 mph, dispensing spray at a rate of 20 fluid ounces per minute.

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

To control mosquito larvae dilute 13½ fluid ounces of concentrate in 4 gallons of water and apply at a rate of 5 gallons per acre. Apply as a coarse wetting spray uniformly over wet lands, swamps, marshes, or shallow water. 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 resistance 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 4 to 12 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.

CROPS	INSECTS
Asparagus	Asparagus Beetle
Beans	Aphids, Leafhoppers, Whitefly, Mexican Bean Beetle, 12-Spotted Cucumber Beetle
Broccoli, Cabbage, Brussels Sprouts, Cauliflower	Aphids, Cabbage Loopers, Cross-striped Cabbageworm, 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 Potatoe Beetle, Flea Beetle, Green Peach Aphid

CROPS

INSECTS

Lettuce

Cabbage Looper, Green Peach
Aphid, Diamondback Moth Larvae,
Imported Cabbageworm

Mustard Green, Kale,
Collards, Turnips

Imported Cabbageworm, Diamondback
Caterpillar, Aphids, Cabbage Looper

Peppers

Green Peach Aphid

Potatoes

Aphids, Colorado Potato Beetle,
Flea Beetle, Leafhopper

Radish

Aphids, Flea Beetle

Spinach

Aphids, Cabbage Looper, Webworm

Tomatoes

Green Peach Aphid, Colorado
Potato Beetle, Stink Bug, Flea
Beetle

Ornamentals:

African Violets,
Aster, Azaleas,
Begonias, Camellias,
Carnations,
Chrysanthemums,
Dahlias, Dogwood,
Geraniums, Gladioli,
Marigolds, Roses,
Rubber Plants,
Wandering Jews

Aphids, Flea Beetles,
Whiteflies, Leafhoppers

BEST AVAILABLE COPY

DROSOPHILTA OR FRUIT FLY CONTROL: Dilute at the rate of 2 parts concentrate with 1200 parts water (22 pints per 150 gallons of 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 planes, use a product registered for this use such as Pyrenone Crop Spray.
2. Spray the raw stock stacked in the yard.
3. Dip baskets in the diluted spray after dumping the fruit; ~~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 2 parts concentrate to 59 parts water (2 pints) with 7 gallons, 3 pints water or 4 tablespoon fulls with 59 fluid ounces of water.

DISPOSAL

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

PESTICIDE STORAGE AND SPILL PROCEDURES:

Store upright at room temperatures. 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.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through skin. Avoid breathing vapors or spray mist. Avoid contact with skin and eyes. In case of contact, immediately flush eyes or skin with plenty of water. Obtain medical attention if irritation persists. If swallowed, do not induce vomiting. Call a physician immediately.

Do not apply directly to food. In commercial food handling facilities, cover or remove any food and food processing equipment during application. Do not apply while food processing is under way. After space spraying in meat packing plants, bakeries, and other food processing plants, these areas should be ventilated to remove insecticide odors, and the facilities and equipment thoroughly washed with an acceptable detergent solution and rinsed with potable water to remove all traces of contamination. In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Remove pets and birds, and cover fish aquariums before spraying.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to lakes, streams, ponds, tidal marshes and estuaries. Do not contaminate water by cleaning of equipment or disposal of wastes.

CHEMICAL HAZARDS

Do not use or store near heat or open flame.

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