

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

Harmful if swallowed. 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. Remove any birds, pets, or fish aquarium before spraying. Vacate premises after treatment and ventilate before reoccupying.

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 a undiluted space spray in edible product areas of Federally inspected meat and poultry plants.

Foods should be removed or covered before treatments. Thoroughly wash all food processing surfaces before reuse. In all plants, all surfaces in processing areas must be washed and rinsed in potable water after spraying.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Do not apply directly to water. Do not contaminate water supplies by cleaning of equipment or disposal of wastes.

**DISPOSAL**

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

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

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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 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 1 part concentrate to 119 parts water (1 fluid ounce per gallon) and apply to wet the hair thoroughly with particular attention to the top-line, 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.

To control stable flies, horse flies, and deer flies, dilute 1 part concentrate to 29 parts water (4.3 fluid ounces per gallon) 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.

To control face flies, dilute 1 part concentrate to 29 parts water (4.3 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 1-1/2 ounces per animal. Repeat daily as needed.

For effective control of motile 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 100 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 4.3 fluid ounces of concentrate per gallon of water, spray roosts, walls and nests or cages, thoroughly. This should be followed by spraying over the birds with a fine mist.

For control bedbugs and mites in poultry houses, dilute 1 part concentrate in 29 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 1 part of concentrate to 300 parts of water (0.4 fluid ounces per gallon) and thoroughly wet all portions of the body by dipping or by spraying with sufficient pressure and with a nozzle adjusted to give penetration of the wool. Treat at a rate sufficient to wet the animal.

To kill fleas and lice on livestock and pets, and to obtain protection against reinfestation, dilute at one to 29 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) and apply by individual treatment, spraying 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, MILKROOMS, DAIRIES AND POULTRY HOUSES: To control flies, mosquitoes, and gnats, dilute at the rate of one part concentrate to 29 parts water 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 10-15 minutes. Vacate the treated area and ventilate before re-occupying. Repeat application as necessary.

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 and 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 1 1/4 fluid ounces of concentrate in 5 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 include 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 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 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

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CROPS	INSECTS
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, Asters, Azaleas, Begonias, Camellias, Carnations, Chrysanthemums, Dahlias, Dogwood, Geraniums, Gladioli, Marigolds, Roses, Rubber Plants, Wandering Jews	Aphids, Flea Beetles, Whiteflies, Leafhoppers

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## CAUTION

Harmful if swallowed. Remove pets, birds, and cover fish aquarium before spraying. Food processing operations do not have to be stopped while applying a wet spray with care and in accordance with the directions given. If used in edible product areas of federally inspected meat, poultry, shell egg grading, and egg product establishments, it must be dispersed as an aerosol spray (no droplets over 50 microns in diameter and 80% less than 30 microns).

## ENVIRONMENTAL HAZARDS

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

## CHEMICAL HAZARDS

Do not use or store near heat or open flame.

## DISPOSAL

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

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

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**DROSOPHILA 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 plants, use a product registered for this use such as Pyrethron Crop Spray.
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 2 parts concentrate to 59 parts water (2 pints) with 7 gallons 3 pints water or 4 tablespoon fulls with 3 1/4 pints water. At the rate of 1 gallon to 750 square feet (1 quart to 750 square feet) direct spray on walls, ceilings, and floors, paying special attention to forcing spray into all cracks and crevices.

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