



**CONCENTRATE I**

PA Registration No. 48665-2

PA Est. No. 48665-FL-01

Water Emulsifiable Insecticide Concentrate  
or Use in Bakeries, Bottling Plants, Canneries,  
Flour Mills, Food Processing Plants, Hospitals,  
Hotels, Restaurants, Schools, and on Ornamental  
Plants in Homes, Gardens and Greenhouses.

**ACTIVE INGREDIENTS:**

Pyrethrins	3.00%
Piperonyl Butoxide, Technical	49.00%
Petroleum Distillate	12.00%
INERT INGREDIENTS	55.00%
	100.00%

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

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See last panel for additional precautions

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NET CONTENTS: 5 GALLONS  
NET CONTENTS: 18.75 LITERS  
NET CONTENTS: 39.8 POUNDS  
NET CONTENTS: 18.05 KILOS

BATCH



**DIRECTIONS FOR USE**

Do not use in a manner inconsistent with the labeling.

**RE-ENTRY STATEMENT**

Do not apply this product in such a manner as to directly, or through drift, expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried.

Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Specific oral warnings must be given to inform workers of areas or field that may not be entered without appropriate protective clothing until sprays have dried. In case of accidental exposure, see last panel of Label for Statement of Practical Treatment. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information:

**CAUTION:** Area treated with SHOO-FLY CONCENTRATE I on (date of application). Do not enter treated areas without protective clothing until sprays have dried. In case of accidental exposure, see last panel of Label for Statement of Practical Treatment.

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 stage of houseflies, including fruit flies, mosquitoes, gnats, and small flying moths dilute 1 part concentrate in 59 parts water (2.1 ounces per gallon). 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 15 minutes or more. Vacate after treatment and ventilate before reoccupying. Repeat treatment as needed.

For use through overhead applicators, dilute one part concentrate in 39 to 59 parts water (3.3 to 2.1 ounces per gallon). Use higher concentration under heavy infestation.

For initial clean-out of infestations of cockroaches, ants, spiders, silver fish, 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 stages of granary weevil, rice weevil, confused flour beetles, rust red flour beetle, cadelle, sawtoothed grain beetle, cheese mites and grain mites, 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 bright 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 belt conveyors, pulley 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 stored grain can be sprayed lightly until slightly moist.

For protection in transit, treat flour bags, box cars and ship's holds before loading.

Using a dilution of 1 part concentrate to 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 Angor moe grain moth in stored grain dilute 1 part concentrate in 17 parts water (8.5 fluid ounces per gallon) and apply to the surface of the bin or 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 clumping and take before spraying and make a second application in two weeks.

**ON HORSES:**

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 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.

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 tops, and other body areas commonly attacked by these flies. Repeat treatment each week or as needed.

**ON PETS:**

To kill fleas and lice on pets, and to obtain protection against reinfestation, dilute at 1 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 1 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.

**MOSQUITO CONTROL OUTDOORS:**

To control adult mosquitoes, using ground application, dilute 1 part concentrate to 4 parts water (25.6 fluid ounces per gallon). Apply as a fine mist or fog. Treat shrubbery and vegetation where mosquitoes may rest. Shrubbery 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 100 foot swath is treated, traveling at 5 mph, dispersing 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 13 1/2 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 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 insect 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.

**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 Pyrenone® 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.

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CROPS	INSECT
Asparagus	Asp.
Beans	Aph. Mex. Cuck.
Broccoli, Cabbage, Brussel Sprouts, Cauliflower	Aph. Strip. Black. Harb. Cuck.
Celery	Green. Cuck.
Cranberries	Flea.
Lettuce	Cuck. Aph. Impe.
Eggplants	Bliss. Beet. Aph.
Mustard Greens, Kale, Cellards, Turnips	Impe. Diap. Aph.
Peppers	Green.
Potatoes	Aph. Flea.
Radish	Aph.
Spinach	Aph. Weev.
Tomatoes	Green. Color. Bug.
Ornamentals: African Violets, Asters, Azaleas, Begonias, Camellias, Carnations, Chrysanthemums, Dahlias, Dogwood, Geraniums, Gladioli, Marigolds, Roses, Rubber Plants, Wandering Jew	Aph. Leaf.