



# PYRONYL™ 303 EMULSIFIABLE CONCENTRATE

Not for use on ornamental plants, or fruits, or vegetables being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climate modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds.

### ACTIVE INGREDIENTS:

Pyrethrins.....	3.0%
*Piperonyl Butoxide Technical.....	30.0%
INERT INGREDIENTS**.....	67.0%

\*Equivalent to 24% (Butylcarbityl)(6-propylpiperonyl) ether and to 6% pyrethrins.  
\*\*Contains Petroleum Distillates  
PRENTOX® - Registered Trademark of Prentiss Incorporated

EPA REG. NO. 655-797

ACCEPTED

JUN 16 1997

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 655-797. TOTAL: 100.0%  
EPA EST. NO. 655-GA-1

**KEEP OUT OF REACH OF CHILDREN**

**WARNING — AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand this label, find someone to explain it to you in detail.)

### STATEMENT OF PRACTICAL TREATMENT

If swallowed --- Call a physician or Poison Control Center. DO NOT INDUCE VOMITING. Vomiting may cause aspiration pneumonia hazard. Drink promptly a large quantity of milk, egg whites, gelatin solution, or, if these are not available, drink large quantities of water. Avoid alcohol. If on skin --- Wash with plenty of soap and water. Get medical attention. If in eyes --- Hold eyes open and flush with steady, gentle stream of water for 15 minutes. Get medical attention.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

Manufactured by

## PRENTISS INCORPORATED

Plant: Kaolin Road, Sandersville, GA 31082  
Office: C.B. 2000, Floral Park, NY 11002-2000

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

causes substantial but temporary eye injury. Harmful if swallowed or absorbed through skin. Avoid contact with skin. Do not get in eyes or on clothing. Wear long-sleeved shirt and pants, socks and shoes, goggles or face shield and chemical resistant gloves (such as nitrile, butyl, neoprene, and/or barrier laminate). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. Do not allow children or pets to contact treated surfaces until spray has dried. Do not allow spray to contact food, feedstuffs or water supplies. Thoroughly wash dishes and food handling utensils contaminated with this product. Remove pets, birds, and cover fish aquarium before spraying. Do not use 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. For terrestrial uses, do not apply directly to water, or areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment washwaters. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. Apply this product only as specified on this label.

**PHYSICAL AND CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

**STORAGE:** If container is damaged: Stop any leaks by repositioning the container or by patching or otherwise repairing the leaks. Take care to avoid contact with pesticide and wear protective gear. On cleanup of spilled liquids, wear protective equipment as required to prevent contact with the product or its vapors. Cover the spilled areas with generous amounts of absorbent material, such as clay, diatomaceous earth, sand or sawdust. Sweep the contaminated absorbent on to a shovel and put the sweepings into a salvage drum. Dispose of wastes as below. Place any leaking container into a similar drum or glass container. Do not store, use, pour or spill near heat or open flame.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at 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.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. When mixing this product, wear eye goggles or a face shield. 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). 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 (5.5 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 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 only 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 (5.6 fluid ounces per gallon) and apply to the surface of the binned grain at a rate of 2 gallons per 1000 square feet (1.5 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.

**IN FOOD PROCESSING PLANTS:**

Dilute at a rate of 1 part concentrate to 29 parts water (4.3 fluid ounces per gallon). Apply only when plant is not in operation. Cover or remove exposed food or feed stuffs before spraying. After spraying, all facilities and equipment must be thoroughly washed with an effective cleaning compound and rinsed with potable water.

**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 neckline, 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, neckline 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 ticks*, 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 shrubby 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 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 1/2 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 VEGETABLES, FRUITS AND ORNAMENTALS:

May be used on vegetables, fruits and ornamentals (outdoors or in greenhouses) up to and including day of harvest.

On the following vegetables, fruits and ornamentals, to control the insects named, use 3/4 to 2 1/2 ounces in 10 gallons of water. Thorough coverage of upper and lower leaf surfaces is essential for good control.

#### CONTROLS THE FOLLOWING INSECTS:

Achemon sphinx moth, alfalfa caterpillar, alfalfa looper, alfalfa weevil, almond moth, Angoumois grain moth, ants, aphids, apple maggot, armyworms, artichoke plume moth, asparagus beetle, Bagworm, bean beetles, bean leaf beetles, bedbugs, beet armyworm, beet webworm, beetles, biting flies, black widow spider, blister beetles, blossom weevil, blowflies, blueberry maggot, boll weevil, bollworm, boxelder bug, budmoth, bugs, Cabbage looper, caddisflies, cankerworms, carpet beetle, carrot rust fly, carrot weevil, caterpillars, centipedes, cereal leaf beetle, cherry fruit fly, chig-bug, chinch bug, cicada, cigarette beetle, clothes moth, clover mite, clover weevil, cockroaches, codling moth, Colorado potato beetle, collembola, confused flour beetle, corn borers, corn earworm, corn flea beetle, corn rootworms, corn sap beetle, cotton leaf perforator, crane flies, crickets, cross-striped cabbageworm, cucumber beetles, cutworms, darkling beetle, darkling ground beetle, deer tick, diamondback moth, caterpillars, digger wasps, Douglas fir tussock moth, dried fruit fly, deer tick, diamondback moth, caterpillars, digger wasps, Douglas fir tussock moth, dried fruit fly, deer tick, diamondback moth, caterpillars, digger wasps, Douglas fir tussock moth, dried fruit fly, beetle, drugstore beetle, Earwigs, eastern tent caterpillar, Egyptian alfalfa weevil, elm bark beetle, elm leaf beetle, European corn borer, European pine tip moth, Face fly, fall webworm, fire ants, firebrats, fireworms, flat grain beetle, fleas, flea beetles, flies, forest tent caterpillars, fruit flies, fulguroidea, fungus gnats, garden webworm, granary weevil, grape leafhopper, grapeleaf skeletonizer, grasshoppers, grapevine root borer, green bug, green cloverworm, green fruitworm, green June beetle, green peach aphid, gypsy moth, Harlequin bug, Heliothis, hessian fly, hickory shuckworm, horn fly, hornworms, horse fly, house fly, Indianmeal moth, imported cabbageworm, Japanese beetle, katydids, Lace bugs, leaf beetles, leaf-footed bugs, leafhoppers, leafminers, leafrollers, lesser cornstalk borer, lesser grain borer, lice, little house fly, loopers, Lygus, maize weevil, mealybugs, Mediterranean flour moth, melonworm, merchant grain beetle, Mexican bean

#### DIRECTIONS FOR USE (continued)

beetle, midges, millipedes, mosquitoes, mushroom flies, Nantucket pine tip moth, navel orange-worm, Nidulids, Oakworms, onion maggot, Oriental fruitmoth, peachtree borer, pear psylla, phorids, pickleworm, pillbugs, pine needle miner, pine tube moth, pine weevils, plant bugs, plum curculio, plume moths, potato aphids, potato leafhopper, potato tuberworm, psyllids, Pange caterpillars, red-banded leafroller, redbumped caterpillar, red flour beetle, rice weevil, rusty grain beetle, sap beetles, sawtoothed grain beetle, sciaenids, shield bugs, silverfish, sloppers, sod webworm, sorghum midge, sowbugs, soybean looper, square-necked grain beetle, spittlebugs, springtails, squash beetle, squash bugs, squash vine borer, stable fly, stalk borers, stink bugs, straw-worm, strawberry weevil, Tabanids, tarnished plant bug, tent caterpillars, thrips, ticks, tomato hornworm, tomato pinworm, tortoise beetles, tortrix, tussock moths, velvetbean caterpillar, vinegar flies, Walnut caterpillar, wasps, webworms, weevils, whiteflies, woollybear caterpillar, yellow-striped armyworm, yellowjackets.

**VEGETABLES:** beets, carrots, horseradish, potatoes, radishes, celery, lettuce, parsley, spinach, broccoli, cabbage, cauliflower, beans, peas, cucumber, melons, pumpkins, summer squash, watermelon, zucchini.

**FRUITS:** grapefruit, lemons, limes, tangerines, oranges, apples, pears, apricots, cherries, nectarines, peaches, plums, grapes, raspberries, blackberries, strawberries.

**HERBS AND SPICES:** anise (aniseed), balm, basil, borage, burdock, camomile, caraway, catnip, chervil, chives, dill, coriander, costmary, cumin, curry leaf, dill, fennel (Italian and sweet), fenugreek, furehound, hyssop, marigold, marjoram, sweet (oregano), marjoram, wild, mint, nasturtium, paprika, parsley, pennyroyal, rosemary, rue, sage, savory, summer and winter, sweet bay (bay leaf), tansy, tarragon, thyme, wintergreen, woodruff, wormwood.

**ORNAMENTALS:** African violet, ageratum, aster, azalea, begonia, cacti, calceolaria, calendula, calla, camellia, carnations, ceanothus, chrysanthemum, cineraria, coleus, cyclamen, cypress, daffodil, dahlia, delphinium, eucalyptus, ferns, ficus, foliage plants, fuchsia, gardenia, geranium, gladiolus, glorioxia, gypsophila, hyacinth, hydrangea, impatiens, iris, ivy, lilacs, maidenhair fern, marigold, narcissus, orchids, pansy, petalagonium, peony, petunia, philodendron, phlox, poinsettias, pyracantha, rododendron, roses, rubber plant, snapdragon, stock, sweet pea, tulip, viburnum, wandering jew, zinnia and Andromeda, arbovitae, ash, beech, birch, boxwood, butternut, chamaecyparis, cherry, cotoneaster, crabapple, dogwood, Douglas fir, elm, euonymus, fir, firethorn, forsythia, hackberry, hawthorn, hemlock, hickory, holly, honey locust, horse chestnut, juniper, larch, laurel, lilac, linden, London plane, magnolia, maple, mimosa (silk tree), mountain ash, myrtle, oak, pachysandra, peach, pine, planetree, poplar, privet, quince, spruce, sycamore, Taxus, tulip tree, viburnum, walnut, willow, yew.

#### 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 Pyronyl 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 tablespoonfuls 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.

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