

NATURAL PYRETHRIN CONCENTRATE

ACTIVE INGREDIENTS:

Pyrethrins	0.96%
Piperonyl Butoxide Technical*	9.60%
INERT INGREDIENTS**	89.44% *

Equivalent to 7.68% (Butylcarbityl) (6-propylpiperonyl) ether and 1.92% related compounds.

** Contains Petroleum Distillates.

KEEP OUT OF REACH OF CHILDREN CAUTION

EPA Reg. No. 655-587-829

J3

EPA EST. NO. 829-FL-1

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED - Call a physician or Poison Control Center immediately. **DO NOT INDUCE VOMITING.** Vomiting may cause aspiration pneumonia.

IF INHALED - Remove person to fresh air. **IF ON SKIN** - Remove contaminated clothing and wash affected areas with soap and water. **IF IN EYES** - Flush eyes with plenty of water. Call a physician immediately, if irritation persists.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION Harmful if swallowed. Keep out of reach of children. Avoid breathing spray mist. Avoid skin and eye contact. Wash thoroughly after handling and before eating and smoking. 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 and cover fish bowls before spraying.

ENVIRONMENTAL HAZARDS This product is toxic to fish. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Apply this product only as specified on this label.

PHYSICAL HAZARDS Do not use, or store near heat or open flame, exposure to temperatures above 130°F may cause bursting.

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 procedures approved by State and local authorities.

DIRECTIONS FOR USE:

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. 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 apply this product through any type of irrigation system.

Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

USE PRECAUTIONS:

The use of this product as a space spray in federally inspected meat and poultry plants should be confined to time periods when the plant is not in operation. Foods should be removed or covered before treatment. All food processing surfaces should be covered during treatment or thoroughly cleaned before using. Remove any birds, pets, or fish aquaria before spraying.

When diluting with water, prepare only the amount needed for immediate use. Holding a water dilution more than 24 hours is not recommended. Agitate occasionally. For oil dilutions, a deodorized petroleum oil is recommended. Vacate premises after treatment and ventilate before reoccupying. Sweep up and remove dead insects.

Repeat treatment as necessary. For maximum effectiveness, a combination of localized surface application and space treatment is recommended.

Do not apply directly to food. Do not apply space spray while food processing is underway. Food processing operations do not have to be stopped except in federally inspected meat and poultry plants while applying a wet spray with care and in accordance with the directions and cautions indicated.

ON VEGETABLES & ORNAMENTALS:

May be used on Vegetables and Ornamentals (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", to flush insects out of hiding and into contact with spray residues.

On the following Vegetables and Ornamentals to control named insects, use 1.2 to 3.6 ounces in 10 gallons of water to allow thorough coverage. Coverage of upper and lower leaf surfaces is essential for good control.

ASPARAGUS: ASPARAGUS BEETLE

BEANS: APHIDS, LEAFHOPPERS, WHITE FLY, MEXICAN BEAN BEETLE, 12-SPOTTED CUCUMBER BEETLE.

BROCCOLI, CABBAGE, BRUSSELS SPROUTS, CAULIFLOWER: APHIDS, CABBAGE LOOPER, CROSS-STRIPED CABBAGE WORM, DIAMONDBACK MOTH LARVAE, FLEA BEETLE, HARLEQUIN BUG, IMPORTED CABBAGEWORM, STINKBUG.

CELERY: GREEN PEACH APHIDS, 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 CABBAGE WORM

MUSTARD GREENS, KALE, COLLARDS, TURNIPS: IMPORTED CABBAGEWORM, DIAMONDBACK CATERPILLAR, APHIDS, CABBAGE LOOPER.

PEPPERS: GREEN PEACH APHID.

POTATOES: APHIDS, COLORADO POTATO BEETLE, FLEA BEETLE, LEAF HOPPER.

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 JEW, ETC.): APHIDS, FLEA BEETLES, LEAF-HOPPERS.

AS A SURFACE SPRAY:

For initial clean up of severe insect infestations, dilute at a rate of 1 part concentrate and 4 parts water or oil. For use in edible product areas of federally inspected meat and poultry plants and for normal infestations, dilute 1 part concentrate and 9 parts water or oil.

To control ROACHES, ANTS, SILVERFISH, SPIDERS, CRICKETS, CLOVER MITES, CHEESE MITES, GRANARY WEEVILS, RICE WEEVILS, CONFUSED FLOUR BEETLES, RUST RED FLOUR BEETLES, SAWTOOTHED GRAIN BEETLES, SPIDER BEETLES, CIGARETTE BEETLES, DRUGSTORE BEETLES, MEAL WORMS, GRAIN MITES, SCORPIONS, BOXELDER BUGS AND CADELLES:

Use a good sprayer adjusted to deliver a coarse, wet spray. Direct the spray into hiding places, cracks and crevices, under pallets, around containers of stored foods, around the bases of machinery, behind shelves, and drawers.

For Silverfish: Spray book cases.

For ANTS: Spray trails, nests and points of entry. If surface application only is to be used, spray floors, walls and other surfaces applying at a rate of 1 gallon to 750 square feet of surface.

To control CARPET BEETLES: Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, closets and infested areas of shelving. Repeat treatment as necessary.

To control BEDBUGS: Spray mattresses lightly, particularly around tuft and seams. Take bed apart and spray all joints. Treat baseboards, mouldings, and floors. Repeat treatment as needed.

To control FLEAS and BROWN DOG TICKS: Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, mouldings, window and door frames and localized areas of floor covering. Fresh bedding should be placed in animal quarters following treatment. Concurrent treatment of animals with an approved insecticide is recommended. Repeat treatment as needed.

AS A SPACE SPRAY:

Dilute at a rate of 1 part concentrate to 19 parts water or oil. Apply with mechanical or compressed air equipment (non-thermal) adjusted to deliver a fine mist. Close doors and windows and shut off ventilating systems. **For rapid control of FLIES, FRUIT FLIES, GNATS, MOSQUITOES, SKIPPER FLIES, WASPS, HORNETS, ANGOUMOIS GRAIN MOTHS, MEDITERRANEAN FLOUR MOTHS, INDIAN MEAL MOTHS, SMALL FLYING MOTHS, AND TOBACCO MOTHS:** Spray direct at an upward angle distributing it uniformly through the entire area at a rate of 1 ounce per 1,000 cubic feet of space. Keep area closed for at least 10 minutes. Ventilate and sweep up and destroy dead and fallen insects before reoccupying.

U.L.V. APPLICATION: For rapid kill of exposed or accessible stages of the insects named on this label, dilute 1 part concentrate to 1 to 9 parts water or oil. Apply using conventional mechanical or compressed air equipment (non-thermal) following directions for space spraying. Apply the above dilutions at a rate of from 1 to 10 ounces per 1,000 cubic feet of space. When used in meat and poultry processing plants, a dilution of no less than 1 to 1 (50%) is acceptable, and it must be dispersed from equipment adjusted to deliver an aerosol spray (no droplets over 50 microns in diameter and 80% less than 30 microns).

MOSQUITO CONTROL

OUTDOORS: **To control ADULT MOSQUITOES;** using ground application, dilute 1 part concentrate and 7 parts water or oil. Apply as a fine mist or fog. Treat entire area with particular attention to shrubbery and vegetation where mosquitoes may rest, also low or marshy areas, shore lines, and stagnant pools or ponds. Repeat as necessary, usually once or twice a week.

To Control MOSQUITO LARVAE: Dilute in oil at a rate of 1 part concentrate to 150 parts oil (5 pints in 50 gallons) and apply at a rate 20 to 25 gallons per acre. Apply as a coarse wetting spray uniformly over wet lands, swamps, marshes or bodies of water where larvae may breed. Do not exceed this dosage or fish kill may result.

FOR USE ON LIVESTOCK:

To control HORN FLIES, HOUSE FLIES, MOSQUITOES, and GNATS: Dilute 1 part concentrate and 39 parts water 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 and 9 parts water and apply one quart per adult animal to wet 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 one part concentrate and 9 parts water. 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.

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 of water. Spray to thoroughly wet 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 1 to 100 in water, dip birds by submerging in a barrel, tank or tub of the solution holding the wings away from the body to insure thorough wetting of all infested areas. In order to avoid chilling the fowls, dip them on a warm day or in a warm building.

For control of BEDBUGS AND MITES in poultry houses: Dilute 1 part of concentrate and 9 parts of water and spray crevices of roost poles, cracks in walls, 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 100 parts of water and thoroughly wet all portions of the body by dipping or by spraying with sufficient pressure and with a nozzle adjustment to give penetration of the wool. Treat at a rate sufficient to wet the animal.

To kill FLEAS ON LIVESTOCK AND PETS AND TO OBTAIN PROTECTION AGAINST REINFESTATION: Dilute at a rate of 1 part concentrate and 9 parts 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 and 24 parts of water and apply by individual treatment, syringing or pouring 1 to 2 ounces into each ear of large animals or a few drops into ears of dogs.

In BARNs, MILKING PARLORS, MILK ROOMS and DAIRIES: **To control FLIES, MOSQUITOES AND GNATS:** Dilute at the rate of 1 part of concentrate and 9 parts of water or oil and apply as a fog or fine mist, directing spray toward the ceiling and upper corners until the area is filled with mist using about 2 ounces per 1,000 cubic feet of space. For best results, close doors and windows before spraying and keep them closed for ten to fifteen minutes. Vacate the area and ventilate before reoccupying. Repeat application as necessary.

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revised 1998