

### Specimen Label



- Contains pyrethrum—a botanical insecticide derived from chrysanthemums
- For use in food handling, processing and storage areas
- For indoor and outdoor uses
- For use in barns, dairies and poultry houses

**ACTIVE INGREDIENT:**

Pyrethrins.....	5.00%
OTHER INGREDIENTS .....	95.00%
	100.00%

 For Organic Production

**OMRI**  
Listed  
Organic Materials Review Institute

### 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 the label, find someone to explain it to you in detail)

#### FIRST AID

- IF SWALLOWED:**
- Call poison control center or doctor immediately for treatment advice.
  - Have person sip a glass of water if able to swallow.
  - Do not induce vomiting unless told to do so by the poison control center or doctor.
  - Do not give anything by mouth to an unconscious person.
- IF IN EYES:**
- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
  - Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
  - Call a poison control center or doctor for treatment advice.
- IF ON SKIN OR CLOTHING:**
- Take off contaminated clothing.
  - Rinse skin immediately with plenty of water for 15-20 minutes.
  - Call a poison control center or doctor for treatment advice.
- IF INHALED:**
- Move person to fresh air.
  - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
  - Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information regarding medical emergencies or pesticide incidents, call 1-888-740-8712.

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

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**ENVIRONMENTAL HAZARDS**

This pesticide is highly 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. Drift from treated areas may be hazardous to organisms in adjacent aquatic sites. Do not contaminate water when disposing of equipment washwaters. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR,

Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep unprotected persons out of treated areas until sprays have dried.

Wear protective clothing when using or handling this product to help avoid exposure to eyes and skin. Eye protection, gloves, a long-sleeved shirt and long pants are recommended.

Allow spray to dry before allowing adults, children or pets on treated areas.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**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 a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency for pesticide regulation.

It is recommended that the final spray mix be buffered to a pH of 5.5-7.0.

FOR THE CONTROL OF INSECTS including, but not limited to:			
Ants	Cucumber Beetles	Grape Leaf Skeletonizers	Mexican Bean Beetles
Aphids	Deer Flies	Green Fruit Worms	Midges
Apple Maggots	Deer Ticks	Green Peach Aphids	Millipedes
Armyworms	Earwigs	Greenhouse Thrips	Mosquitoes
Artichoke Plume Moths	Darkling Beetles (lesser meal worm)	Gypsy Moths (adults and larvae)	Mushroom Flies
Asparagus Beetles	Diamondback Larvae	Harlequin Bugs	Navel Orangeworms
Beet Armyworms	Eastern Tent Caterpillars	Hornets	Onion Maggots
Bagworms	Elm Leaf Beetles	Horn Flies	Pear Psylla
Bean Beetles	European Corn Borers	Hornworms	Potato Leafhoppers
Beetles	European Pine Tip Moths	House Flies	Psyllids
Blisters Beetles	Face Flies	Imported Cabbageworms	Rice Weevils
Blow Flies	Fall Webworms	Indian Meal Moths	Saw-toothed Grain Beetles
Biting Flies	Fire Ants	Japanese Beetles	Scales
Boll Weevils	Firebrats	Katydids	Silverfish
Cabbage Loopers	Fireworms	Lace Bugs	Skippers
Cankervorms	Flea Beetles	Leafhoppers	Sowbugs
Carrot Weevils	Flies	Leafrollers	Spiders
Caterpillars	Forest Tent Caterpillars	Leafrollers	Stable Flies
Clover Mites	Fungus Gnats	Leafrollers	Stink Bugs
Clover Weevils	Fruit Flies	Leafrollers	Tabanidae
Cockroaches	Fruittree	Lice	Tabanidae
Codling Moths	Fruittree	Lice	Tabanidae
Colorado Potato Beetles	Fruittree	Lice	Tabanidae
Crane Flies	Fruittree	Lice	Tabanidae
Crickets	Leafrollers	Loopers	Tomato Hornworms
Cross-striped Cabbageworms	Glassy Winged Sharpshooters	Lygus	Vinegar Flies
12-spotted Cucumber Beetles	Grape Leafhoppers	Mealy Bugs	Wasps
		Mediterranean Flour Moths	Webworms
			Whiteflies
			Yellowjackets

**FOR USE AROUND THE EXTERIOR OF HOMES AND OTHER BUILDINGS:** To control insects on Turf, Ornamental Plants, Gardens, Landscaping Foundation Walls and Perimeters mix 1.5 to 3 teaspoons of PyGanic® PRO per gallon of water for applications with compressed air sprayers or pump driven sprayers.

**CRAWLING AND FLYING INSECTS:** For control of accessible, exposed stages of CRAWLING INSECTS including, but not limited to: Ants, Cockroaches, Cadelles, Cigarette Beetles, Confused Flour Beetles, Dark Mealworms, Dried Fruit Beetles, Drugstore Beetles, Grain Mites, Red Flour Beetles, Rice Weevils, Saw-toothed Grain Beetles, Spider Beetles, Yellow Mealworms and FLYING INSECTS including, but not limited to: Angoumois Grain Moths, Cheese Skippers, Fruit Flies, Fungus Gnats, Gnats, House Flies, Indian Meal Moths, Mosquitoes, Mediterranean Flour Moths, Small Flying Moths and Tobacco Moths, dilute 1 part of PyGanic® PRO with 8 parts of water or oil (1 pint with one gallon of water or oil) and apply at the rate of 1 ounce per 1,000 cubic feet of space. Direct the spray towards the ceiling and upper corners of the area and behind obstructions. Vacate the treated area and keep the area closed for at least 30 minutes after treatment. Ventilate the area before reoccupying.

**USE AS A SURFACE SPRAY IN HOMES, RESTAURANTS, FOOD PROCESSING PLANTS, INDUSTRIAL INSTALLATIONS, SUPERMARKETS, WAREHOUSES AND WINERIES:** To control accessible, exposed stages of crawling insects including, but not limited to: Ants, Cockroaches, Cadelles, Cigarette Beetles, Confused Flour Beetles, Dark Mealworms, Dried Fruit Beetles, Drugstore Beetles, Grain Mites, Red Flour Beetles, Rice Weevils, Saw-toothed Grain Beetles, Spider Beetles and Yellow Mealworms, dilute 1 part PyGanic® PRO with 44 parts water (3 fl. oz. with one gallon of water) and apply at the rate of 1 gallon to 750 square feet, paying special attention to force the spray into all cracks and crevices.

Except in Federally inspected meat and poultry plants, food processing operations may continue when this product is applied as a surface spray with care and in accordance with the directions and precautions given above.

**FOR USDA INSPECTED FACILITIES:** To control accessible, exposed stages of crawling insects including, but not limited to: Ants, Cockroaches, Cadelles, Cigarette Beetles, Confused Flour Beetles, Dark Mealworms, Dried Fruit Beetles, Drugstore Beetles, Grain Mites, Red Flour Beetles, Rice Weevils, Saw-toothed Grain Beetles, Spider Beetles and Yellow Mealworms, dilute 1 part PyGanic® PRO with 14 parts of water, (9 fl. oz. with one gallon of water) and apply at the rate of 1 gallon to 750 square feet, paying special attention to force the spray into all cracks and crevices.

**\*FOR USE ON SWEET POTATOES IN STORAGE:** For control of Fruit Flies and Vinegar Flies dilute this concentrate at 1 part to 14 parts water (9 fl. oz. with one gallon of water). Apply as a space fog with a mechanical fogger capable of producing particles of aerosol size at the rate of 1 gallon diluted spray per 100,000 cubic feet of space. Apply only when flying insects are present. Several applications may be necessary during periods of heavy infestation, but do not make more than 10 applications.

**FOR USE IN CANNERIES:** The entire space inside of the cannery should be sprayed after washing and cleaning up and just before bringing produce into it, with this product diluted 1 part to 8 parts of water (1 pint with one gallon of water). Use 1 gallon of the spray per 750 square feet, directing it on walls, ceiling and floors paying special attention to forcing the spray into all cracks and crevices for the control of Ants, Cheese Mites, Crickets, Roaches, Silverfish and Spiders. This same dilution used as a space spray will give excellent control of Fruit Flies, Gnats, Grain Moths, Hornets, House Flies, Mosquitoes and Skipper Flies. Use one ounce diluted spray per 1000 cubic feet of space. Do not spray while the plant is in operation as dead flies may fall into containers or the products being processed.

**AS A SPACE SPRAY IN FOOD AND NONFOOD AREAS OF FOOD PROCESSING PLANTS, INDUSTRIAL INSTALLATION, BAKERIES, RICE AND WHEAT MILLS, RESTAURANTS, TOBACCO WAREHOUSES, GRAIN ELEVATORS, HOMES, SUPERMARKETS, WAREHOUSES AND WINERIES:** To kill flying insects such as Fruit Flies, Gnats, Grain Moths, Hornets, House Flies, Mosquitoes, Skipper Flies and Wasps, and dilute this concentrate at the rate of 1 part to 8 parts water (1 pint with one gallon of water). Use at the rate of 1 fluid ounce of diluted spray per 1000 cubic feet of space. Direct the space treatment upward and whenever practical, keep doors and windows closed for at least 30 minutes after application. The use of this product in food processing or food handling establishments should be confined to time periods when the plant is not in operation. Food should be removed or covered during treatments. All food processing surfaces should be covered during treatment or thoroughly cleaned before use.

**\*FOR USE ON HARVESTED FRUITS AND VEGETABLES:** Including, but not limited to: Apples, Blackberries, Blueberries, Boysenberries, Cherries, Crabapples, Currants, Dewberries, Figs, Gooseberries, Grapes, Guavas, Loganberries, Mangoes, Muskmelons, Oranges, Peaches, Pears, Peas, Pineapples, Plums, Raspberries, Tomatoes.

**\*FOR USE ON STORED PRODUCTS:** This concentrate can be used at the rate of 1 part to 8 parts water or acceptable carrier (one pint with one gallon of water or acceptable carrier) can be used on Almond nutmeat and shells, Barley, Beans, Birdseed, Buckwheat, Cocoa Beans, Corn, Cottonseed, Dried Apricots, Dried Fruit, Dried Prunes, Figs, Flax, Grain Nuts, Oats, Peanuts, Pistachios, Raisins, Rice, Rye, Sorghum, Tobacco, Walnut nutmeat and shells, and Wheat held in storage for control of the accessible stages of Almond Moths, Angoumois Grain Moths, Cadelles Beetles, Cigarette Beetles, Confused Flour Beetles, Flat Grain Beetles, Granary Weevils, Indian Meal Moths, Red Flour Beetles, Rice Weevils, Rusty Grain Beetles, Saw-toothed Grain Beetles, Square-necked Grain Beetles and Tobacco Moths.

**\*DIRECT SPRAY TO FRUITS IN BASKETS, ON TRUCKS OR IN PROCESSING PLANTS:** To control Drosophila spp., Tephritid spp. Fruit Flies, Vinegar Flies and other nuisance pests dilute this concentrate at the rate of 1 part with 900 parts water (1 pint with 125 gallons of water or 1 teaspoon with 10 pints of water). Thoroughly mix the emulsion in the spray tank and treat as follows:

- 1) Apply liberally to fruits and vegetables in baskets, on trucks and in plants. Use sprayers at a high pressure for applying at the rate of five or six pints of diluted spray to a 2 ton load of produce. Direct the spray for maximum coverage of the baskets or hampers. It is important to spray between and beneath the containers.
- 2) Spray the raw stock stacked in the yard.
- 3) Dip baskets in the diluted spray, after dumping the produce to kill adhering larvae and pupae.

**\*ON ALMONDS, PEANUTS AND WALNUTS IN BULK OR IN BAGS:** To control stored product insects including, but not limited to: Almond Moths, Angoumois Grain Moths, Ants, Cadelles, Cigarette Beetles, Confused Flour Beetles, Drugstore Beetles, Flat Grain Beetles, Granary Weevils, Indian Meal Moths, Lesser Grain Borers, Maize Weevils, Mediterranean Flour Moths, Merchant Grain Beetles, Red Flour Beetles, Rice Weevils, Rusty Grain Beetles, Saw-toothed Grain Beetles and Square-necked Grain Beetles, dilute 2.0 ounces of PyGanic® PRO per gallon of water and apply as a coarse wet spray over the top of stored nuts or the outside surface of stacked bagged nuts at the rate of 4 gallons per 1,000 square feet. Apply at weekly intervals for about 6 weeks and then at 15 day intervals. The first two applications should be applied at the rate of 4 gallons per 1,000 square feet and subsequent treatments should be applied at the rate of 2 gallons per 1,000 square feet.

**\*NOT REGISTERED FOR THIS USE IN THE STATE OF CALIFORNIA**

**\*SURFACE TREATMENT OF STORED GRAIN AND SEED:** To control Angoumois Grain Moths, Indian Meal Moths and Mediterranean Flour Moths, monthly inspections should be made after the grain is placed in storage. If the top two or three inches are infested, dilute 1 part PyGanic® PRO with 14 parts of water and apply at the rate of 2 gallons per 1,000 square feet of grain. Rake the mixture into the grain to a depth of 4 inches.

**\*FOR USE AS A GRAIN PROTECTANT:** This concentrate when diluted with water and sprayed directly on grains will effectively protect the grain against grain storage insects for a full season or approximately 8 months. Dilute at the rate of 1 part to 22 parts water (6 fl. oz. with one gallon of water). Thoroughly mix the emulsion and apply at the rate of 5 gallons per 1000 bushels of grain as it is carried along a belt or as it enters the auger or elevator. This concentrate may be used in combination with a registered fumigant for use on heavily infested stored products.

Monthly inspections should be made. If the top 2 or 3 inches are found to be infested, re-treat applying at the rate of 2 gallons of diluted material per 1000 bushels of stored product.

**FOR USE IN STORAGE SITES:** This concentrate can be used to treat grain and seed in warehouse bins and trucks, cargo ships, mills, bin hoppers, elevators and conveying equipment as a clean up prior to using them for storage. In mills and elevators, all grain infested accumulations should be removed from the bin hoppers. All storage areas and conveying equipment should be thoroughly cleaned by sweeping out the waste grain, cobwebs and other debris from the walls and rafters as well as on the floor and door frames with special attention to material lodged in the cracks and crevices. All of the debris should be removed and burned to kill eggs and insects that might be present.

For farms, particular attention should be given to cleaning up around the used feed and grain bags, grain residues from wagons, harvesting equipment and feed troughs. Newly harvested grain should not be placed in the same bin with carry-over grain and all carry-over grain stocks that are not treated with grain protectant should be fumigated. These cleaning operations should be done within two or three weeks before harvest.

After above sanitation measures have been employed, spray all areas prior to use for storage with 1 part to 22 parts water (6 fl oz. with one gallon of water) up to 1 part to 8 parts (1 pint with one gallon of water). Apply at the rate of one gallon per 750 square feet on walls, floors, ceilings and partition boards of bins, paying particular attention to forcing the spray into all cracks and crevices.

#### **FOR USE AS A LIVESTOCK AND POULTRY SPRAY:**

- 1) To control Poultry Lice, using a dilution of 2.5 to 4 ounces of concentrate per gallon of water. Spray roosts, walls and nests or cages thoroughly. It is not necessary to remove poultry from the housing unit during treatment. This should be followed by spraying over the birds with a fine mist.
- 2) For control of Bed Bugs and Mites on poultry and in poultry houses, dilute at the rate of 2.5 to 4 fluid ounces per gallon of water and spray crevices of roost poles, cracks in walls and cracks in nests where the Bed Bugs and Mites hide. This should be followed by spraying over the birds with a fine mist.
- 3) To control Adult Darkling Beetles (lesser meal worm) in poultry houses, dilute 2.0–5.0 tsp. (10–25 mls.) of PyGanic® PRO per gallon of water. Using a power or proportioner-type sprayer, apply a uniform spray until wet at pressures of 80 to 100 pounds per square inch to surfaces such as interior walls, roosting posts, structural support pillars and other surfaces where adult beetles are observed. One gallon of spray mixture covers 250-500 sq. ft. Do not contaminate food/feed or water. For maximum effectiveness, treatments should coincide with each growout or sanitation procedure. Indoor control can be enhanced by making perimeter treatments around the outside of buildings. To prevent immigrating adult beetles, apply a uniform band of spray 2 feet up and 1-4 feet out from the foundation.

#### **FOR USE IN BARN, DAIRIES, MILKING PARLORS, MILKING ROOMS AND POULTRY**

**HOUSES:** To control flying insects including, but not limited to: Flies, Fruit Flies, Gnats, Hornets, Mosquitoes, Small Flying Moths and Wasps, dilute at the rate of 2.5 fluid ounces per gallon of water. Apply as a fog or fine mist (at approximately 2 ounces per 1000 cubic feet of space), directing the nozzle for maximum coverage and above livestock and poultry toward the ceiling and upper corners of the area being treated. For best results, close doors and windows before spraying, and keep them closed for 10 to 15 minutes. Applicator should vacate the treated area and ventilate it prior to returning.

#### **USE INDOORS ON TREES, SHRUBS, FLOWERS AND FOLIAGE PLANTS:**

**USED ALONE:** Combine 16 to 32 ounces of PyGanic® PRO with 100 gallons of water for applications with conventional hydraulic sprayers or 1.5 to 3 teaspoons of PyGanic® PRO per gallon of water for applications with compressed air sprayers.

#### **FOR USE OUTDOORS ON TREES, SHRUBS, FLOWERS AND FOLIAGE PLANTS:**

**USED ALONE:** Combine 16 to 32 ounces of PyGanic® PRO with 100 gallons of water for applications with conventional hydraulic and airblast sprayers or 16 to 32 ounces of PyGanic® PRO with 10 gallons of water for applications with low volume mist blowers or 1.5 to 3 teaspoons per gallon water for applications with compressed air sprayers.

Mix only enough for immediate use. Spraying should begin when the insects first appear. Do not wait until the plants are heavily infested. Repeat as required to maintain effective control.

To avoid possible harm to honey bees, it is advisable to apply in the early morning or late evening hours.

**IMPORTANT NOTE:** Plant safety is an important consideration when using insecticides in a greenhouse. However, it is not possible to evaluate the phytotoxicity of PyGanic® PRO on numerous plant varieties that may react differently to insecticides in different growth stages or under varying environmental conditions. Before making widespread applications of PyGanic® PRO or tank mix combinations, treat a limited number of plants and observe for phytotoxicity over a 10 day period.

#### **STORAGE AND DISPOSAL**

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

**STORAGE:** Store in a cool, dry place. Keep container closed.

**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) and offer for recycling or reconditioning, or dispose of in a sanitary landfill or by other procedures approved by State and Local authorities.



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