


87276-29

2/12/2014

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 U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7504P) 1200 Pennsylvania Ave., N.W. Washington, D.C. 20460-0001	EPA Reg. Number: 87276-29	Date of Issuance: FEB 12 2014
	NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration (under FIFRA, as amended)	
	Term of Issuance: Unconditional	
	Name of Pesticide Product: Prentox Pyronyl 5% Insecticide	
Name and Address of Registrant (include ZIP Code): Envincio LLC 200 Cascade Pointe Lane, Suite 101 Cary, NC 27513-5765		
Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.		
<p>On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.</p> <p>Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>This product is unconditionally registered in accordance with section 3(c)(5) of FIFRA provided that you:</p> <ol style="list-style-type: none">1. Submit and/or cite all data required for registration of your product under section 3(c)(5) of FIFRA when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under section 4 of FIFRA. <p>(continued on page 2)</p>		
Signature of Approving Official: Refer to Page #2. Richard J. Gebken, Product Manager (10) Insecticide Branch, Registration Division (7504P)		Date: FEB 12 2014

EPA Form 8570-6

2. Make the following change(s) to the subject label:

- a. Change the product registration number to "EPA Reg. No. 87276-29"

Conditional Data Requirements:

1. Within one (1) year from the date of this registration, Envincio LLC must submit a One Year Storage Stability (830.6317) study and a Corrosion Characteristics (830.6320) study on this product in support of this registration. Envincio LLC must conduct these studies in commercial containers, and it is recommended that the observations be made at 0, 6, 9, and 12 month intervals.
3. You must submit two (2) copies of the revised final printed labeling, incorporating the above changes, before releasing the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with section 6(e) of FIFRA. Your release for shipment of the product bearing amended labeling constitutes accepting of these conditions.

Copies of your label stamped "Accepted" as well as the product chemistry review and similarity clinic memorandum completed for this product are enclosed for your records. If you have any questions about this label review, please contact Mr. Carmen J. Rodia, Jr. at (703) 306-0327 or via e-mail at Rodia.Carmen@epa.gov.

Sincerely yours,



Richard J. Gebken
Product Manager (10)
Insecticide Branch
Registration Division (7504P)

Enclosures: *Label Stamped "Accepted," dated February 12, 2014*
Product Chemistry Review, dated December 23, 2013
Similarity Clinic Memorandum, dated July 10, 2013

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Note to reviewer: Brackets [] denote optional language. The final label may include some or all of the optional text.

Prentox Pyronyl 5% Insecticide

[Kills Fleas]	[On Poultry]
[Kills Stored Products Pests]	[Provides rapid knockdown and kill of plant pests]
[Kills Listed Flying Insects]	[Kills more than 100 insects]
[Kills Listed Crawling Insects]	[Non-flammable]
[Kills Cockroaches]	[Low odor]
[Kills Ants (excluding fire and Pharaoh ants)]	[Non-corrosive to spray equipment]
[Quick Knockdown]	[One gallon treats up to 28 acres]
[Fast Acting]	[For use in Barns, Dairies and Poultry Houses]
	[Contains pyrethrins – a botanical insecticide derived from chrysanthemums]
	[Can be tank mixed with other insect control products]

ACTIVE INGREDIENT:

Pyrethrins, a botanical insecticide 5.0%

OTHER INGREDIENTS: 95.0%

TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN CAUTION

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:	<ul style="list-style-type: none">• Immediately call a poison control center or doctor.• Do not induce vomiting unless told to do so by a poison control center or doctor.• Do not give any liquid to the person.• Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none">• 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 IN EYES:	<ul style="list-style-type: none">• 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.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison central center or doctor, or going for treatment. For additional information on this pesticide product (including health concerns, medical emergencies, or pesticide concerns), you may call 1-866-257-4118, twenty-four (24) hours per day, seven (7) days per week.	
NOTE TO PHYSICIAN: Contains petroleum distillate – vomiting may cause aspiration pneumonia hazard.	

See inside label booklet for additional **PRECAUTIONARY STATEMENTS**.

For Chemical Spill, Leak, Fire, or Exposure, Call: **CHEMTREC 1-800-424-9300**

For Medical Emergencies Only, Call: **866-257-4118**

EPA Reg. No. 87276-xx

Manufactured for:

Envincio LLC
2155 West Croft Circle
Spartanburg, SC 29302

EPA Est. No.

ACCEPTED

February 12, 2014

**Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended, for the
pesticide registered under:** 1

Net Contents:

EPA. Reg. No: 87276-29

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

Contains Petroleum Distillates. Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear long-sleeved shirt, long pants, socks and shoes, and chemical-resistant gloves.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical resistance category selection chart.

Mixers, loaders, applicators, and other handlers must wear the following:

- Long-sleeve shirt,
- Long pants, and
- Shoes and socks.

In addition to the above PPE, applicators using hand-held foggers in an enclosed area must wear a half-face, full-face or hood-style NIOSH-approved respirator with:

- A dust/mist filtering cartridge (MSHA/NIOSH approval number prefix TC-21C), or
- A canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or
- A cartridge or canister with any N, R, P or HE filter.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep PPE and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

When handlers use aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides 40 CFR 170.240 (d) (4-6), the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic organisms, including fish and invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean water mark. Do not apply when weather conditions favor drift from treated areas. Drift and run-off may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through run-off. This product has a potential for run-off for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce run-off that contains this product.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the agency for pesticide regulation.

USE RESTRICTIONS:

- Apply this product only as specified on this label.
- Do not apply when food, feed, and/or water is present.
- Do not use this product directly on pets (companion animals), such as dogs, cats, puppies, or kittens..
- Do not apply this product in barns or stables where animals intended for slaughter or human consumption will be maintained.
- Not for use in outdoor residential misting systems (indoor or outdoor) or outdoor metered release devices.
- Not for indoor use except in greenhouses.
- Do not make applications during rain.
- Do not use in aircraft cabins.
- Do not reapply within 3 days except under extreme pest pressure. In case of extreme pest pressure, do not reapply within 24 hours.
- 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.
- Do not enter or allow others to enter until sprays have dried.
- Do not enter or allow to enter until vapors, and mists, and/or aerosols have dispersed, and the treated area has been thoroughly ventilated.
- Do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and/or mists have dispersed.
- When used indoors as a crack-and-crevice, surface, or space spray applications: Remove or cover exposed food and drinking water before application. Remove or cover dishes, utensils, food processing equipment and food preparation surfaces or wash them before use.
- When used in indoor food handling/processing facilities: Do not make space spray applications when the facility is in operation. Prior to space spray applications, cover or remove exposed food. Prior to space spray applications, cover food processing surfaces or clean after treatment and before use.
- When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.
- Do not wet plants to the point of run-off or drip.
- Remove pets, birds and cover fish aquariums before application.
- Do not apply more than 10 times per season.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR, Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas (that is permitted under Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water), is: Long-sleeved shirt and long pants; Chemical-resistant gloves, such Barrier Laminate, Nitrile Rubber, Neoprene Rubber, or Viton; and Shoes plus socks.

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.

INDOOR AREAS for use in and around:

Greenhouses

OUTDOOR AREAS for use in and around:

Nurseries

Outdoor Growing Crops

SPRAY DRIFT MANAGEMENT FOR AGRICULTURAL CROPS: Avoiding spray drift at the application site is the responsibility of the applicator and the grower. The interactions of many equipment and weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

Do not apply at wind speeds greater than 10 mph at the application site. Do not make any type of application into temperature inversions. Apply as a medium or coarser spray (ASABE standard 572).

Additional requirements for aerial applications: Do not release spray at a height greater than 10 feet above the ground or crop canopy. The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.

Aerial applicators must consider flight speed and nozzle orientation in determining droplet size. When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind.

Additional requirements for ground applications: Do not release spray at a height greater than 4 feet above the ground or crop canopy.

Additional requirements for airblast applications: Direct sprays into the canopy. Turn off outward pointing nozzles at row ends and when spraying outer rows.

PESTICIDE RESISTANCE MANAGEMENT: Prentox Pyronyl 5% Insecticide contains a Group 3A insecticide. Insect biotypes with acquired resistance to Group 3A may eventually dominate the insect population if Group 3A insecticides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of these species by Prentox Pyronyl 5% Insecticide or other Group 3A insecticides.

To delay insecticide resistance, consider:

- Avoiding the consecutive use of Prentox Pyronyl 5% Insecticide or other Group 3A insecticides that have a similar target site of action on the same insect species.
- Using tank mixtures or premixes with insecticides from a different target site of action Group as long as the involved products are all registered for the same use and have different sites of action.
- Basing insecticide use on a comprehensive IPM program.
- Monitoring treated insect population for loss of efficacy.
- Contacting your local extension specialist, certified crop advisors, and/or manufacturer for insecticide resistance management and/or IPM recommendations for the specific site and resistance pest problems.

FOR USE ON:

Beefalo	Elk	Livestock	Pullets
Birds	Emus	Llamas	Quail
Buffalo	Exotics	Mules	Ratites
Calves	Geese	Ostrich	Roosters
Cattle – beef and milking	Goats	Oxen	Sheep
Chickens	Hogs	Pheasants	Swine
Donkeys	Horses	Ponies	Turkeys
Ducks	Lambs	Poultry	

TO KILL THE FOLLOWING INSECTS:

Ants (excluding fire and Pharaoh ants)	Dark Mealworms	Lace Bugs	Sharpshooters
Angoumois Grain Moths	Darkling Beetles (lesser meal worm)	Leaf-footed plant bugs	Shore flies
Aphids	Diamondback Larvae and Moths	Leafhoppers	Shot hole borers
Apple Maggots	Dried Fruit Beetle	Leafminers	Silverfish
Armored Scales	Drugstore Beetles	Leafrollers	Skippers
Armyworms	Earwigs	Leaftiers	Small Flying Moths
Artichoke Plume Moths	Eastern Tent Caterpillars	Lice	Soft Scales
Asparagus Beetles	Elm Leaf Beetles	Loopers	Southern chinch bugs
Beet Armyworms	Eriophyd Mites	Lygus	Sow bugs
Bagworms	European Pine Tip Moths	Maggots	Spider Beetles
Bean Beetles	Fire worms	Mealy Bugs	Springtails
Beetles	Fleas	Mediterranean Flour Moths	Squash Bugs
Bermudagrass Mirids	Flea Beetles	Mexican Bean Beetles	Stable Flies
Billbugs	Forest Tent Caterpillars	Midges	Stink Bugs
Blister Beetles	Fruit Flies	Millipedes	Tobacco Moths
Blow Flies	Fruit Tree Leafrollers	Mites	Tarnished Plant Bugs
Boll Weevils	Fruitworms	Mole Crickets	Thrips
Boxelder Bugs	Fungus Gnats	Moths	Tomato budworms
Branch and Twig Borers	Garden Symphylian	Mushroom Flies	Tomato bugs
Cabbage Loopers	Glassy Winged Sharpshooters	Navel Orangeworms	Tomato Fruit Worms
Cabbage Maggots	Gnats	Olive Fruit Flies	Tomato Hornworms
Cadellles	Grain Mites	Onion Maggots	Tomato pinworms
Cankerworms	Grape Leafhoppers	Orange Tortrix	Tomato Russet Mite
Carrot Weevils	Grape Leaf Skeletonizers	Pacific flatheaded borers	Tussock Moths
Caterpillars	Grape Mealy Bugs	Pear Psyllids	Vinegar Flies
Chalcids	Grasshoppers	Pepper Weevils	Vine Mealy Bugs
Cheese Skippers	Green Bugs	Pink Bollworms	Webworms
Cherry Fruit Flies	Greenhouse Thrips	Potato Leafhoppers	Weevils
Cigarette Beetles	Green Fruit Worms	Potato Tuberworms	Western Yellow-Striped armyworms
Clover Mites	Green Peach Aphids	Poultry Lice	Whiteflies
Clover Weevils	Gypsy Moths (adults & larvae)	Proba Bugs	Yellow Mealworms
Cockroaches	Harlequin Bugs	Psyllids	
Cucumber Beetles (12-spotted)	Heliothis spp.	Red Flour Beetles	
Codling Moths	Hornworms	Rice Weevils	
Colorado Potato Beetles	House Flies	Saltmarsh caterpillars	
Confused Flour Beetles	Imported Cabbageworms	Saw-Toothed Grain Beetles	
Corn Earworms	Indian Meal Moths	Scales	
Crickets	Japanese Beetles		
Crain Flies	Katydid		
Cross-Striped Cabbageworms			
Cucumber Beetles			

IMPORTANT NOTE: It is recommended that the final spray mix be buffered to a pH of 5.5-7.0. Outside of this range pyrethrins can degrade and the product will lose effectiveness.

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To avoid possible harm to honey bees and other beneficial insects, it is advisable to apply when the non-target insects are least active.

Pyrethrins degrade rapidly in sunlight. To ensure the best performance, coverage is key. Use spray equipment that will provide the best coverage and direct contact with as many insects as possible.

TANK MIX: This product may be tank mixed with other insecticides, acaricides, fungicides, adjuvants, and wetting agents. This application should conform to accepted use precautions and directions for both products. Tank mix applications must be made in accordance with the more restrictive of label limitations and precautions. No label application rates may be exceeded. This product cannot be mixed with any product with label prohibitions against such mixing.

Prior to tank mixing, a compatibility test should be conducted using the proper proportions of products and water to ensure the physical compatibility of the mixture.

PHYTOTOXICITY NOTE: Plant safety is an important consideration when using insecticides in a greenhouse. However, it is not possible to evaluate the phytotoxicity of Prentox Pyronyl 5% Insecticide on numerous plant varieties that may react differently to insecticides in different growth stages or under varying environmental conditions. Before making widespread applications of Prentox Pyronyl 5% Insecticide or tank mix combinations, treat a limited number of plants and observe for phytotoxicity over a 10-day period.

FOR USE ON GROWING CROPS (OUTDOORS AND IN GREENHOUSES AND NURSERIES):

Apply 4.5 to 17 fluid ounces per acre (333 ml to 1,242 ml/Ha) by ground equipment in sufficient water for thorough coverage. This product may be applied by air at the rate of 4.5 to 17 fluid ounces per acre (333 ml to 1,242 ml/Ha), in a minimum of 20 gallons (75.6L) of water. Mix only enough for immediate use. Spraying should begin when insects first appear. Do not wait until plants are heavily infested. Do not apply more than 1 time per day.

FOR USE ON ORNAMENTAL PLANTS GROWN IN GARDENS: Including: African Violet, Ageratum, Aster, Azalea, Begonia, Calceolaria, Calendula, Calla, Camellia, Carnation, Ceanothus, Cineraria, Chrysanthemum, Coleus, Cyclamen, Cypress, Daffodil, Dahlia, Delphinium, Dogwood, Elm, Eucalyptus, Fern, Ficus, Foliage Plants, Fuchsia, Gardenia, Geranium, Gladiolus, Gloxinia, Gypsophila, Holly, Hyacinth, Hydrangea, Iris, Lily, Maidenhair Fern, Marigold, Narcissus, Palm, Pansy, Peony, Pelargonium, Petunia, Philodendron, Phlox, Pine, Pyracantha, Rhododendron, Roses, Rubber Plant, Snapdragon, Sweet Pea, Tulips, Viburnum, Wandering Jew, Yew, Zinnia and Andromeda, Arborvitae, Ash, Beech, Birch, Boxwood, Cotoneaster, Crabapple, Euonymus, Fir, Firethorn, Forsythia, Hawthorn, Hemlock, Hickory, Honey Locust, Horse Chestnut, Juniper, Larch, Laurel, Lilac, Linden, Mimosa, Myrtle, Oak, Pine, Privet, Tulip Tree, Viburnum, Willow.

TO KILL ANTS (EXCLUDING FIRE AND PHARAOH ANTS) ON ORCHARD AND VINEYARD FLOORS: Apply as a broadcast spray to the entire orchard or vineyard floor using ground equipment spray equipment at 5 to 17 fl. oz. per acre (367 ml to 1,242 ml/Ha) in 25 or more gallons (95 L or more) of water. For best results, use the high rate for heavy infestations and the lower rate for light infestations. Spray directly into nests, along trails, and directly on all ants observed. Do not apply where weed growth or other obstructions would impede uniform coverage of the orchard or vineyard floor. Mow or mechanically control weeds before the application. Foliar applications of Prentox Pyronyl 5% Insecticide may be made in addition to the orchard or vineyard floor treatment.

FOR USE INDOORS IN GREENHOUSES ON TREES, SHRUBS, FRUIT, VEGETABLE, FLOWER AND FOLIAGE PLANTS: Combine 16 to 32 fluid ounces with 100 gallons (1.25 ml to 2.50 ml/L) of water for applications with conventional sprayers or 7 to 15 ml (1/4 – 1/2 of a fluid ounce) per gallon (2 ml to 4 ml/L) of water for applications with handheld or backpack sprayers. Apply the diluted product at the rate of 3 gallons/1,000 sq. ft. Do not exceed the maximum application rate of 0.036 lbs. a.i./1,000 sq. ft or 1.18 fl. oz. of Prentox Pyronyl 5% Insecticide/1,000 sq. ft. Do not apply more than 1 time per day.

FOR USE IN VEGETABLE AND TRUCK GARDENS: For commercial productions of listed crops to kill listed insects, dilute 1/4 to 1/2 oz. of Prentox Pyronyl 5% Insecticide per gallon of water (2 ml/Liter of water to 4 ml/L of water). Apply diluted solution with all types of agricultural sprayers, including compressed air sprayers or pump driven sprayers.

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FOR USE ON HARVESTED FRUITS AND VEGETABLES: Apples, Blackberries, Blueberries, Boysenberries, Cherries (sweet & sour), Crabapples, Currants, Dewberries, Figs, Gooseberries, Grapes, Guavas, Loganberries, Mangoes, Muskmelons (including hybrids), Oranges (sweet & sour), Peaches, Pears, Peas, Pineapples, Plums, Raspberries (black & red), Tomatoes.

SURFACE SPRAY:

FOR USE AS A SURFACE SPRAY IN LISTED INDOOR AREAS: to kill accessible, exposed stages of listed crawling insects, dilute 1 – 3 fluid ounces of concentrate with one gallon (8 ml to 24 ml/L) of water, mix well and apply as a coarse wetting spray at the rate of 1 gallon of spray mixture per 750 square feet (54 ml/m²) of surface. To ensure maximum kill of listed crawling insects, spray thoroughly into all cracks, moldings, crevices, walls, floors and surfaces of bins, storage and handling areas. Particular attention should be paid to areas where moisture collects such as drains, sinks and water pipes and around the base of heavy machinery and equipment, contacting as many insects as possible. To kill ANTS (excluding fire and Pharaoh ants), spray directly into nests, along trails, and directly on all ants observed.

Dilution Table for Surface Spray

Fluid ounces of Concentrate Per Gallon of Solution	Pounds of Pyrethrum Per Gallon of Solution	Percent Pyrethrins in Solution
1	0.0032 (0.38 g/L)	0.039%
2	0.0064 (0.77 g/L)	0.078%
3	0.0096 (1.15 g/L)	0.118%
4	0.0128 (1.53 g/L)	0.159%
5	0.0160 (1.92 g/L)	0.200%
6	0.0192 (2.30 g/L)	0.242%
7	0.0224 (2.68 g/L)	0.284%
8	0.0256 (3.07 g/L)	0.328%
12	0.038 (4.56 g/L)	0.508%
16	0.051 (6.12 g/L)	0.702%
22	0.070 (8.4 g/L)	1.020%

FOR USE IN MEAT AND POULTRY PROCESSING FACILITIES: To kill accessible, exposed stages of listed crawling insects, dilute 9 fluid ounces with one gallon (71.4 ml/L) of water and apply at the rate of 1 gallon to 750 square feet (54 ml/m²), paying special attention to force the spray into all cracks and crevices.

FOR USE AS A SPACE SPRAY IN LISTED INDOOR AREAS: For use in mechanical fogging or spraying equipment to kill accessible stages of listed FLYING AND CRAWLING INSECTS. Close room and shut off all air conditioners or ventilating equipment. Dilute at the rate of 1 part concentrate into 1-8 parts water (see table below) and mix well. Apply at the rate of 1 fluid ounce of diluted solution per 1000 cubic feet (1.04 ml/m³) of space, filling the room with mist. Direct the space treatment upward and whenever practical, keep doors and windows closed for at least 30 minutes after application. Vacate treated area and thoroughly ventilate before re-entry.

This concentrate may also be diluted with oil. If the product is used in a certified organic facility, check with certification regulations regarding allowed oils. Any oil should also meet Federal Food Additive Regulation requirements as defined by CFR Title 21. Conduct a small jar compatibility test by mixing a small amount of oil and concentrate and observe the physical compatibility of the mixture. Dilute at the rate of 1 part of concentrate with up to 8 parts oil. Apply at the rate of 1 fluid ounce of diluted solution per 1000 cubic feet (1.04 ml/m³) of space.

When this product is applied as a space spray in food processing or food handling establishment applications should be confined to time periods when the plant is not in operation.

Dilution Table for ULV Foggers

Dilution Ratio:					
Concentrate	Water	Ratio of Concentrate to Solution by Volume	Ratio of Water to Solution by Volume	Pounds of Pyrethrum Per 1,000 cu. ft. when applied at 1 fl. oz per 1,000 cu. ft.	Percent Pyrethrins in Solution
Undiluted		1.00	0.00	0.0032 (0.051 g/m ³)	5.00%

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Dilution Ratio:					
Concentrate	Water	Ratio of Concentrate to Solution by Volume	Ratio of Water to Solution by Volume	Pounds of Pyrethrum Per 1,000 cu. ft. when applied at 1 fl. oz per 1,000 cu. ft.	Percent Pyrethrins in Solution
1	1	0.50	0.50	0.0016 (0.025 g/m ³)	2.47%
1	2	0.33	0.67	0.0011 (0.018 g/m ³)	1.65%
1	3	0.25	0.75	0.00101 (0.016 g/m ³)	1.23%
1	4	0.20	0.80	0.00064 (0.010 g/m ³)	0.99%
1	8	0.11	0.89	0.00035 (0.0056 g/m ³)	0.547%

FOR USE AS A LIVESTOCK SPRAY: Do not apply more than 1 time per day.

- 1) To kill Horn Flies, House Flies and Gnats, dilute at the rate of 1.5 to 3 fluid ounces per gallon (12 ml to 24 ml/L) of water and apply to wet hair thoroughly, paying particular attention to 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.
- 2) To kill stable flies, dilute at the rate of 2.5 to 4 fluid ounces per gallon (20 ml to 32 ml/L) of water and apply at a quart per adult animal to wet hair thoroughly, paying particular attention to legs, flanks, barrel, topline and other body areas commonly attacked by these flies. Repeat treatment each week as needed.
- 3) To kill face flies, dilute at the rate of 2.5 fluid ounces per gallon (20 ml/L) of water and apply using spray which produces large wetting droplets. Apply to face of animal in the morning before releasing to pasture. Apply sufficiently to wet the face but not more than 1-1/2 ounces (28.35 g – 42.53 g) of spray solution per animal. Repeat daily as needed.
- 4) To kill biting and sucking lice on livestock, dilute at the rate of 1 quart with 60 gallons (226.8L) of water (1.5 fluid ounces with 2 gallons (6 ml/L)) and spray to thoroughly wet hair of animal, including the head and brush of the tail. Repeat treatment in 10 days to kill newly hatched lice.
- 5) To kill sheep "Tick" or Ked, dilute at the rate of 1.5 to 3 fluid ounces per gallons (3 ml/L to 6 ml/L) of water and thoroughly wet all portions of the body by dipping or spraying with sufficient pressure and with a nozzle adjustment to give penetration of the wool. Treat at a rate sufficient to wet the animal.
- 6) To kill fleas and brown dog ticks on livestock and to obtain protection against reinfestation, dilute at the rate of 9 fluid ounces per gallon (71 ml/L) of water and wet the animal by dipping or spraying. This product may also be used for livestock/pet quarters. Do not spray pets. For best results against fleas and brown dog ticks on dogs and cats the kennels and/or animal quarters and bedding should be treated. Remove and destroy pet's old bedding. To reduce infestation, thoroughly spray the animals bedding and sleeping quarters. Also spray the entire inside surface of dog houses. Put fresh bedding in pet's quarters after spray has dried. Also treat dogs and cats [pets] with a registered flea and tick control product before allowing them to reenter treated area.

FOR USE AS A POULTRY SPRAY: Do not apply more than 1 time per day.

- 1) To kill poultry lice, using a dilution of 2.5 to 4 fluid ounces of concentrate per gallon (20 ml to 32 ml/L) 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) To kill mites on poultry and in poultry houses, dilute at the rate of 2.5 to 4 fluid ounces per gallon (20 ml to 32 ml/L) of water and spray crevices of roost poles, cracks in walls and cracks in nests where the mites hide. This should be followed by spraying over the birds with a fine mist.
- 3) To kill adult darkling beetle (lesser meal worm) in poultry houses, dilute 2.0 – 5.0 teaspoons (10 – 25 ml) of this product 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 square feet (23 m² – 46 m²). 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 (0.6 m) up and 1-4 feet (0.3 – 1.2 m) out from the foundation.

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FOR USE IN COMMERCIAL ANIMAL PREMISE AUTOMATIC MISTING SYSTEMS: When using this product, installers and service technicians must comply with the license, certification, or registration requirements of the state(s), tribe(s), or local authority(ies) where they are installed.

When applying via a remote activation device, do not apply when people and pets are present. If possible, when applying via automatic timer, set the timing for application when people and pets are unlikely to be present. Direct nozzles to spray towards the target area and away from areas where people are typically present. Do not use in an evaporative cooling system. Do not use in misters located within 3 feet of air vents, air conditioner units, or windows.

If used in a system with a reservoir tank for the end use dilution, the system reservoir tank must be locked. Securely attach the end use pesticide label and a dilution statement to the system reservoir tank in a weather protected area or plastic sleeve. The dilution statement must be phrased as follows: this container holds ___ parts Prentox Pyronyl 5% Insecticide to ___ parts water.

If used in a direct injection system, the pesticide container must be locked. Securely attach the end use label to the pesticide container in a weather protected area or plastic sleeve.

This product must only be used in systems that have been calibrated to apply no more than the maximum application rate of 0.0008 lb. a.i./1,000 cubic feet of space (0.26 fl. oz. of Prentox Pyronyl 5% Insecticide/1,000 cubic feet of space) when non-domestic animals are present.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep this product in its tightly closed original container when not in use. Store in a cool, dry (preferably locked) area that is inaccessible to children and animals.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL:

[Nonrefillable Container (5 gallons or less)] Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

[Nonrefillable Container (greater than 5 gallons)] Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Direction for Use of this Product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Envincio LLC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Envincio LLC and Seller harmless for any claims relating to such factors.

Envincio LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product

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[EPA approval date]