

Pyronyl™

UL-100

Spray Concentrate

KILLS: Ants, Flies, Gnats, Lice, Mosquitoes, Roaches, Small Flying Moths and other listed pests

FOR USE: Indoors as a diluted and undiluted spray. Includes federally inspected meat and poultry plants, cattle and horse barns, poultry and swine houses and zoos. As a space spray diluted for use in conventional mechanical fogging equipment

SPECIMEN LABEL

ACTIVE INGREDIENTS:

Pyrethrins	1.00%
Piperonyl Butoxide*	2.00%
N-Octyl Bicycloheptene Dicarboximide	2.94%

OTHER INGREDIENTS:** 94.06%

TOTAL: 100.0%

* (butylcarbityl)(6-propylpiperonyl) ether and related compounds.

**Contains Petroleum Distillates

KEEP OUT OF REACH OF CHILDREN CAUTION

See inside label booklet for Additional Precautionary Statements.

EPA Reg.No. 89459-31

EPA Est. No. 2724-TX-1

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing.

FIRST AID

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.
IF SWALLOWED	<ul style="list-style-type: none"> Immediately call a Poison Control Center or doctor. Do not give any liquid to the person. Do not induce vomiting unless told to by a Poison Control Center or doctor. 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 to 20 minutes. 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. You may contact 1-800-347-8272 for emergency medical treatment information. You may also contact the National Pesticide Telecommunication Network at 1-800-858-7378 for information including health concerns, medical emergencies or pesticide incidents.

NOTE TO PHYSICIAN: Contains petroleum distillate – vomiting may cause aspiration pneumonia.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

- long-sleeve shirt,
- long pants,
- shoes and socks.

In addition to the above PPE, applicators using a high pressure hand wand in an enclosed area must wear at least a NIOSH-approved respirator with:

- a dust/mist filter with MSHA/NIOSH approval number prefix TC-21C or
- a cartridge or canister with any R, P, or HE filter.

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 filter with 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 R, P, or HE filter.

User Safety Requirements:

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should 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

{Containers greater than 5 gallons} This product is toxic to aquatic organisms, including fish and invertebrates. 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 Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

USE RESTRICTIONS

Entry Restrictions

- **For surface spray use:** Except when applying to horses, do not enter or allow others to enter until sprays have dried.
- **For space spray use:** Do not enter or allow adults, children or pets to enter the treated area for at least 15 minutes, until vapors, mists and aerosols have dispersed and the treated area has been thoroughly ventilated.

Application Restrictions

- Remove or cover exposed food and drinking water before application.
- Except when applying to horses, do not apply this product in a way that will contact workers or other persons, either directly or through drift.
- Except when applying to horses, only protected handlers may be in the area during application.
- Do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors and/or mists have dispersed.
- Remove or cover dishes, utensils, food processing equipment and food preparation surfaces or wash them 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 make space spray applications when facility is in operation. Prior to space spray applications, cover or remove food.
- Prior to space spray applications, cover food processing surfaces or clean after treatment and before use.
- Do not apply more than 1 time per day.
- Do not use in indoor metered release devices.
- Remove pets and birds, and cover fish aquariums before spraying.
- **For stored food:** Direct application to food contact surfaces is prohibited.
- Do not use in aircraft cabins.

INDOOR USE AS A SPRAY UNDILUTED: Use a fogger or vaporizer adjusted to deliver an aerosol spray (no droplets over 50 microns in diameter and 80% less than 30 microns). Apply at a rate of ½ fl oz per 1,000 cubic feet of space. Direct the spray toward the ceiling and upper corners of the area behind obstructions. Sweep up and destroy fallen insects. **FOR COCKROACHES ONLY** – Apply at a rate of 1 fl oz per 1,000 cubic feet of space. Open all closets, cabinets, drawers, and other potential harborage. Direct spray toward ceiling and upper corners of the area and into, under and behind obstructions, cabinets, appliances, and furnishings if the equipment and constructions of the treatment so allow. Sweep up and destroy fallen insects.

The method of application will kill ROACHES and exposed, accessible stages of FLIES (including FRUIT FLIES), MOSQUITOES, SMALL FLYING MOTHS, GNATS, WASPS, HORNETS, CLOVER MITES, CHEESE MITES, CHEESE SKIPPERS, BOXELDER BUGS, EARWIGS, ANTS and the following common stored product pests: GRANARY WEEVILS, RICE WEEVILS, CONFUSED FLOUR BEETLES, SAW-TOOTHED GRAIN BEETLES, SPIDER BEETLES, CIGARETTE BEETLES, DRUGSTORE BEETLES, ANGOUMOIS GRAIN MOTHS, MEDITERRANEAN FLOUR MOTHS, INDIAN MEAL MOTHS, TOBACCO MOTHS, YELLOW MEALWORMS, DARK MEALWORMS, GRAIN MITES, CADELLAS, and RED FLOUR BEETLES.

DRIED FRUIT PRODUCTS in storage or being processed, to kill CONFUSED FLOUR BEETLES, DRIED FRUIT BEETLES, INDIAN MEAL MOTHS, and SAW-TOOTHED GRAIN BEETLES: Remove and destroy infested products. As noted above, disperse this product as a fine mist in the air above the trays and shelves. Do not apply to fruit directly. Use ½ fl oz per 1,000 cubic feet of space. Sweep up and destroy fallen insects.

STORED FOOD: (Stored in multi-wall bags or cloth bags) in warehouses, storage rooms, flour mills, grain elevators, granaries for control of ANGOUMOIS GRAIN MOTHS, CADELLES, CONFUSED FLOUR BEETLES, INDIAN MEAL MOTHS, MEDITERRANEAN FLOUR MOTHS, RICE WEEVILS, SAW-TOOTHED GRAIN BEETLES, YELLOW MEALWORMS, CHEESE MITES, CHEESE SKIPPERS, CIGARETTE BEETLES, GRAIN MITES, GRANARY WEEVILS, DARK MEALWORMS, RED FLOUR BEETLES. Remove and destroy infested products. As noted above, disperse this product first by directing spray into corners, under pallets, and around stacks of packaged foods hitting as many insects as possible and then treat as a space spray. Infested stored products should be fumigated or treated by other effective methods using an approved product

intended for this purpose. Use a dosage of ½ fl oz per 1,000 cubic feet of space. This application will kill accessible, exposed stages of those stored product pests listed above. Sweep up and destroy fallen insects.

CONTACT SPOT, CRACK AND CREVICE SPRAY: To kill roaches, dilute 12¾ fl oz to make one gallon of finished solution in oil. 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 bases of machinery, behind shelves and drawers. Spray roaches directly whenever possible. Apply at a rate of 1 gallon per 1,000 square feet.

INDOOR USE AS A SPACE SPRAY, DILUTED: For use in conventional mechanical fogging equipment to kill FLIES, FRUIT FLIES, MOSQUITOES, SMALL FLYING MOTHS, and GNATS. Close room and shut off all air conditioning or ventilating system equipment. Dilute 1 part concentrate plus 9 parts oil (refined kerosene) and mix well. Apply at the rate of 1 to 2 fl oz per 1,000 cubic feet filling the room with mist.

SURFACE SPRAY: To insure maximum kill of crawling insects (ANTS, BOXELDER BUGS, CLOVER MITES, DRUGSTORE BEETLES, EARWIGS, LICE, SPIDER BEETLES), dilute 1 part concentrate plus 9 parts oil (refined kerosene) and mix well and apply as a coarse wetting spray using approximately 1 gallon of spray mixture to 1,000 square feet of surface. Spray walls, floors, and other surfaces of bins and storage and handling areas thoroughly, being especially careful to treat cracks, crevices and similar hiding places. Treat unloading, handling and processing areas and inside conveying, processing and handling equipment. Spray thoroughly around the base of heavy machinery and equipment. Spray insects directly when possible. For in-transit protection, clean and spray truck beds, boxcars and ships' holds before loading. Thoroughly treat walls and floors and spray each layer of cartons or containers lightly as stacked.

To kill MOSQUITOES, GNATS, WASPS and SKIPPERS: dilute 1 part concentrate plus 9 parts oil (refined kerosene) and mix well and apply as a coarse wetting spray using approximately 1 gallon of spray mixture to 1,000 square feet of surface. Treat walls, ceilings, moldings, screens, door and window frames, beams, light cords and similar resting places.

ANIMAL QUARTERS USE: (Cattle barns, horse barns, poultry houses, swine houses, zoos – **animals not present**): As a space spray diluted for use in conventional mechanical fogging equipment to kill FLIES, MOSQUITOES, SMALL FLYING MOTHS, AND GNATS, dilute 1 part concentrate plus 9 parts oil (refined kerosene) and mix well. Apply at the rate of 2 fl oz per 1,000 cubic feet of space. Direct spray towards the upper portions of the enclosure filling the room with mist.

FOR USE IN FEDERALLY INSPECTED MEAT AND POULTRY PLANTS: To kill exposed or accessible stages of ROACHES, SILVERFISH, WATER BUGS, EARWIGS, ANTS, SPIDERS, FLIES, FRUIT FLIES, MOSQUITOES, SMALL MOTHS and GNATS, use undiluted with a ULV spraying device at the rate of 1 fl oz per 1,000 cubic feet of room space. Then apply the spray into all cracks and

crevices in woodwork, walls, floors, underneath sinks, behind pipes and in all places where these insects shelter at a rate of 1 quart per 1,000 square feet. Contact as many insects as possible.

FOR USE ON ANIMALS EXCEPT FOR DOGS AND CATS: To protect horses from HORN FLIES, HOUSE FLIES, MOSQUITOES, AND GNATS, dilute 1 part of concentrate plus 9 parts oil (refined kerosene) and mix well. Apply a light mist, sufficient to wet the tips of the hair. To control STABLE FLIES, HORSE FLIES and DEER FLIES on horses, apply 1.5 fl oz per adult animal, sufficient to wet the hair but not to soak the hide.

STORAGE AND DISPOSAL

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

STORAGE: If container is damaged: stop any leaks by repositioning the container or by patching or otherwise repairing the leaks or place any leaking container into a similar drum, salvage drum, or glass container. 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 materials such as clay, diatomaceous earth, sand, or sawdust. Sweep the contaminated absorbent onto a shovel and put the sweepings into a salvage drum. Dispose of wastes as below. 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: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying **{Containers less than 5 gallons}** 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 ¼ full with solvent used to dilute product 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. 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 **{Containers greater than 5 gallons}** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with solvent used to dilute product. 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 or reconditioning or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.