

Pyronyl™

Crop Spray

KILLS: Ants, Aphids, Bed Bugs, Black Widow Spiders, Cockroaches, Crickets, Face Flies, Fleas, Horse Flies, House Flies, Lice, Mosquitoes, Stable Flies, Stored Product Insects (including Almond Moths, Confused Flour Beetles, Granary Weevils, Indian Meal Moths, Lesser Grain Borers, Rice Weevils, Saw-toothed Grain Beetles and others listed on this label) Ticks, and Thrips

FOR USE AS: Stored Product Protection, Livestock and Poultry Spray

Refer to the label for additional use sites.

This Specimen Label is for Stored Grain Protection. View full label at www.bugfreegrains.com

ACTIVE INGREDIENTS:

Pyrethrins6%
Piperonyl Butoxide*60%

OTHER INGREDIENTS:**34%

TOTAL 100%

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

** Contains Petroleum Distillates

EPA Reg. No. 89459-26

EPA Est. No. 2724-TX-1

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • Immediately call a Poison Control Center or physician. • Do not induce vomiting unless told to do so by a Poison Control Center or physician. • 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 physician 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 physician 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 1-800-248-7763 for information including health concerns, medical emergencies or pesticide incidents.	
NOTE TO PHYSICIAN: Contains petroleum distillate – vomiting may cause aspiration pneumonia.	

SPECIMEN LABEL

KEEP OUT OF REACH OF CHILDREN

CAUTION

See additional Precautionary Statements,
First Aid Statements and Directions for Use

Personal Protective Equipment (PPE): Some materials that are chemical-resistant to this product are made of barrier laminate, nitrile rubber, neoprene rubber, viton.

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

- long-sleeve shirt,
- long pants,
- shoes and socks and
- chemical-resistant gloves.

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

- a filter with NIOSH approval number prefix TC-21C or
- 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 filtering cartridge (NIOSH approval number prefix TC-21C), or
- a canister (NIOSH approval number prefix TC-14G), or
- a cartridge or canister with any R, P, or HE filter.

See Engineering Controls for additional requirements.

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

For terrestrial applications: This product is toxic to aquatic organisms, including fish and invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through runoff. This product has potential for runoff for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff 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 foraging the treatment area.

Do not apply directly to water, 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 or rinsate.

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 in your state responsible for pesticide regulations.

General Precautions & Use Restrictions:

-When applied to outdoor residential surfaces:

All outdoor applications must be limited to spot or crack-crevice treatments only, except for the following permitted uses: 1) Treatment to soil or vegetation around structures; 2) Applications to lawns, turf and other vegetation; 3) Applications to building foundations, up to a maximum height of 3 feet.

Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors and eaves) are limited to spot and crack-and-crevice applications only.

-For surface treatment of stored grain and seed: Do not reapply within 30 days.

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 the handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It 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 the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, chemical-resistant gloves made of any waterproof material 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.

For surface spray use:

- Except when applying to livestock and as a mosquito adulticide, do not enter or allow others to enter treated area until sprays have dried.

For space spray use:

- Except when applying as a mosquito adulticide, do not enter or allow others to enter until vapors, mists and aerosols have dispersed and the treated area has been thoroughly ventilated.

USE AS A SURFACE SPRAY

IN HOMES, RESTAURANTS, FOOD PROCESSING PLANTS, INDUSTRIAL INSTALLATIONS AND WAREHOUSES: To kill 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, dilute 1 part Pyronyl™ Crop Spray with 59 parts 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.

IN COMBINATION WITH RESIDUAL INSECTICIDES: To provide flushing and quick knockdown of insects, this product may be tank-mixed with other insecticides at the rate of ¼ to ½ fluid ounce (equivalent to ½ to 1 tablespoon or 7.4 ml. to 14.8 ml.) per gallon of finished spray.

IN USDA INSPECTED FACILITIES: To kill 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, dilute 1 part of Pyronyl™ Crop Spray with 19 parts 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.

USE AS A SPACE SPRAY

To kill crawling and flying insects in sites that include homes, restaurants, food processing plants, industrial installations and warehouses, dilute Pyronyl™ Crop Spray with water and apply as a space spray. For best results, close doors and windows before spraying and keep them closed for 30 minutes after treatment. Where oil residues are not undesirable, Pyronyl™ Crop Spray can be diluted in deodorized base oil instead of water and applied with mechanical, thermal or ULV applicators.

CRAWLING AND FLYING INSECTS: To kill accessible, exposed stages of CRAWLING INSECTS including 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 Angoumois grain moths, Indian meal moths, mosquitoes, Mediterranean flour moths, small flying moths, tobacco moths, add 10.67 fl oz (1 part to 11 parts water or oil) of Pyronyl™ Crop Spray per gallon of oil or water and apply at the rate of 1 fluid ounce per 1,000 cubic feet of space. Direct the spray towards the ceiling and upper corners of the area and behind obstructions. Keep the area closed for at least 30 minutes after treatment.

FLYING INSECTS: To kill flying insects including Angoumois grain moths, cheese skippers, fruit flies, fungus gnats, gnats, house flies, Indian meal moths, mosquitoes, Mediterranean flour moths, small flying moths, tobacco moths, dilute 1 part of Pyronyl™ Crop Spray with 47 parts of water or oil (2.67 ounces per gallon) and apply at the rate of 1 fluid ounce per 1,000 cubic feet of space. Direct the spray towards the ceiling and upper corners of the area and behind obstructions. Keep the area closed for at least 30 minutes after treatment.

FOR USE ON SWEET POTATOES IN STORAGE IN COMMERCIAL STORAGE/ WAREHOUSES PREMISES: To kill fruit flies and vinegar flies, dilute this concentrate at 1 part to 19 parts water (6.4 fluid ounces per gallon (51 ml/L)). 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 (1.34 ml/m²) of space. Apply only when flying insects are present. Several applications may be necessary during periods of heavy infestation. Do not reapply within 7 days except under extreme pest pressure. In case of extreme pest pressure, do not reapply within 24 hours. Do not apply more than 10 times to sweet potatoes.

USE IN STORED PRODUCT PROTECTION

AS A GRAIN AND SEED PROTECTANT: Pyronyl™ Crop Spray may be applied to the following grains and seeds: barley, beans, birdseed, buckwheat, cocoa beans, corn, cottonseed, flax, oats, peas (field) rice, rye, sorghum and wheat to protect them from grain storage insects for full a season or approximately 8 months. Pyronyl™ Crop Spray may be used in combination with a registered fumigant for use of heavily infested stored products.

TO KILL STORED PRODUCT INSECTS INCLUDING almond moths, Angoumois grain moths, 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 at the rate of 1 part Pyronyl™ Crop Spray with 29 parts water (1 pint with 3 gallons 5 pints water). Thoroughly mix the emulsion and apply at the rate of 4 to 5 gallons per 1,000 bushels of grain or seed as it is carried along a belt or as it enters the auger or elevator.

SURFACE TREATMENT OF STORED GRAIN AND SEED: To kill Indian meal moths, Angoumois grain moths and Mediterranean flour moths, inspect monthly after the grain is placed in storage. If the top 2 or 3 inches are infested, dilute 1 part of

Pyronyl™ Crop Spray with 19 parts of water and apply at the rate of 1 to 2 gallons per 1,000 square feet of grain. Rake the mixture into the grain to a depth of 4 inches.

ON ALMONDS, PEANUTS AND WALNUTS IN BULK OR IN BAGS: To kill stored product insects including almond moths, Angoumois grain moths, ants, cadelles, cigarette beetles, confused flour beetles, drugstore beetles, flat gain 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 squarenecked grain beetles, dilute 1.33 fluid ounces of Pyronyl™ Crop Spray per gallon of water and apply a coarse wet spray over the top of stored nuts or the outer 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. Apply the first two applications at the rate of 2 gallons per 1,000 square feet.

STORAGE SITES: To treat grain and seed storage sites, warehouse bins, trucks, cargo ships and planes prior to filling with grain or seed, thoroughly clean the site by sweeping out the waste, cobwebs, and other debris on the walls and rafters as well as on floor and about the door frames, paying special attention to the material lodged in the cracks and crevices. Remove these accumulations and burn to kill eggs and insects that might be present.

In mills and elevators, pay particular attention to the bin hoppers to remove all grain infested accumulations. Clean and insure that conveying equipment are free of trash deposits that could maintain an infestation. For farms, clean up and around the used feed and grain bags, grain residues from wagons, harvesting equipment and feed troughs. Do not place newly harvested grain in the same bin with carry-over grain and fumigate all carry-over grain stocks not treated with grain protectant. Perform cleaning operations within two or three weeks before harvest.

To treat the storage site prior to using it for storage, dilute 1 part of Pyronyl™ Crop Spray with 59 parts of water ((1 pint with 7 gallons 3 pints of water) and apply to walls, floors, ceilings and partition boards at the rate of one gallon per 750 sq. feet. It is important to thoroughly treat all crack and crevices.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE AND SPILL PROCEDURES: Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage soak up with absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste.

PESTICIDE DISPOSAL: Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Clean container promptly after emptying. **{Containers 5 gallons or less}** 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 water (or 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 approved state and local procedures. **{For 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 water (or 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. 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 approved state and local procedures.

www.bugfreegrains.com

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NOTE: This specimen label is for informational purposes only. All uses may not be approved in all states. See product labeling for use directions.

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