Pyronyl™

303 EC

KILLS: Including but not limited to: Ants, Caddels, Cockroaches, Confused Flour Beetles, Fungus Gnats, Granary Weevils, Horn Flies, House Flies, Mosquitoes, Rice Weevils, Saw-toothed Grain Beetles, Stable Flies

FOR USE IN: Dairy Barns, Hog Barns and other farm structures or buildings housing animals or poultry, Horse Barns, Kennels, Food Processing Plants, Mills, Elevators and Granaries, Automatic Spraying Systems

Refer to the label for additional use sites.

ACTIVE INGREDIENTS:
Pyrethrins .................................................. 3%
Piperonyl Butoxide* .................................... 30%
OTHER INGREDIENTS** ............................... 67%
TOTAL ..................................................... 100%

* (Ryanoil®) (2,6-dimethyl-4-isopropylphenyl) Butoxide and related compounds.
** Secondary Petroleum Distillates

KEEP OUT OF REACH OF CHILDREN

WARNING

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

SEE INSIDE BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE

EPA Reg. No. 89459-40
EPA Est. No. 2724-TX-1

NET CONTENTS: 1 GAL
**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

**PESTICIDE STORAGE:** Store this product in a cool, dry (preferably locked) place away from heat or open flame and in an area that is inaccessible to children and animals.

**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. Do not reverse or recondition. (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 1/4 full with water and recap. Shake for 10 seconds. Pour rinse into application equipment or a mix tank or store rinse 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. (Containers greater than 5 gallons) 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 rinse into application equipment or a mix tank or store rinse for later use or disposal. 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.

**ACTIVE INGREDIENTS:**

- Pyrethrins ........................................... 3%
- Piperonyl Butoxide* .................................. 30%

**OTHER INGREDIENTS**

- 67%

**TOTAL**

- 100%

*Pyrethrin is a trademark of Wellmark International, Central Life Sciences with design is a registered trademark of Central Garden & Pet Company.

**WARNING**

**KEEP OUT OF REACH OF CHILDREN**

If you do not understand this label, ask someone to explain it to you in detail.

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1. Dilute at the rate of 2 parts concentrate with 200 parts water (22 pints per 150 gallons of water). Thoroughly mix the emulsion in the spray tank. Make treatments as follows:
2. Spray the raw stock stacked in the yard.
3. Dip baskets in the diluted spray after dumping the fruit to kill adhering larvae and pupae.
4. After washing and cleaning up the inside of the processing plant and just prior to bringing fruit into it, spray the entire space inside the canery at a dilution of 2 parts concentrate to 5 parts water (2 pints with 7 gallons 5 pints water or 4 tablespoonsful with 3/4 pint water. At the rate of 1 gallon to 750 square feet (1 quart to 750 square feet) direct spray on walls, ceilings, and floors, paying special attention to forcing spray into all cracks and crevices.

**KILLS:** Including but not limited to: Ants, Cadelles, Cockroaches, Confused Flour Beetles, Fungus Gnats, Granary Weevils, Horn Flies, House Flies, Mosquitoes, Rice Weevils, Saw-toothed Grain Beetles, Stable Flies

**FOR USE IN:** Dairy Barns, Hog Barns and other farm structures on buildings housing animals or poultry, Horse Barns, Kennels, Food Processing Plants, Mills, Elevators and Granaries, Automatic Spraying Systems

Refer to the label for additional use sites.
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING: Contains Petroleum Distillate. Causes substantial but temporary eye injury. Harmful if swallowed or absorbed through the skin. Do not get in eyes. Avoid contact with skin or clothing. Remove and wash contaminated clothing before reuse. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

FIRST AID
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 swallowed - Immediately call a Poison Control Center or doctor. • Do not induce vomiting unless told to do so by the 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 - 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 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 additional information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), you may call 1-800-926-8200 seven days a week.

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-sleeved shirt and long pants
  • Chemical-resistant gloves made of barrier laminate, nitrile rubber, neoprene rubber (selection category E)
  • Protective eyewear (goggles, face shield, safety glasses), and
  • 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 particulate respirator with any \( N \), \( R \), or \( P \) filter, NIOSH approval number prefix TC-84A

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 with NIOSH approval number prefix TC-84A or
  • A canister approved for pesticides (NIOSH approval number prefix TC-14G), or
  • A cartridge or canister with any \( N \), \( R \), or \( P \) 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.

ENGINEERING CONTROLS:
Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(b)(6)). Human flagging is prohibited. Flagging to support aerial application is limited to use of the Global Positioning System (GPS) or mechanical flaggers.

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 a 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 actively visiting the treatment area.

Except as specified in the Directions for Use, 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 washwater or rinse.

For Wide Area Mosquito Adulticide Applications: This pesticide is toxic to aquatic organisms, including fish and invertebrates. Runoff from treated areas or deposition of spray droplets into a body of water may be hazardous to fish and aquatic invertebrates.

When applying as a wide area mosquito adulticide, before making the first application in a season, it is advisable to consult with the state or tribal agency with primary responsibility for pesticide regulation to determine if other regulatory requirements exist.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply when bees are visiting the treatment area, except when applications are made to prevent or control a threat to public and/or animal health determined by a state, tribal, or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the...
To Kill House Flies, Horn Flies, Stable Flies, Horse Flies, Mosquitoes and Gnats: Add concentrate to tank and add water to obtain desired dilution. Agitate well while adding water. Dispense diluted concentrate through automatic spraying system. Set nozzle to deliver one fluid ounce liquid per minute. Locate nozzles to cover a maximum of 2,000 cubic feet of space per nozzle. Set timer to operate in accordance with equipment directions. Dilute Pyronyx™ 303 EC just prior to use as follows:

- 0.05% Pyrethrins - Add 1 part Concentrate to 50 parts water
- 0.10% Pyrethrins - Add 1 part Concentrate to 29 parts water
- 0.50% Pyrethrins - Add 1 part Concentrate to 5 parts water

In Animal Premise Automatic Misting Systems:

Do not apply when food, feed and/or water is present.

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 Pyronyx™ 303 EC 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 0.000476 lbs pyrethrins and 0.008 lbs piperonyl butoxide per 1,000 cubic feet per day.

This is equivalent to:

- 0.05% pyrethrins - 0.00476 lbs of pyrethrins per 1,000 cubic feet per day
- 0.10% pyrethrins - 0.00952 lbs of pyrethrins per 1,000 cubic feet per day
- 0.50% pyrethrins - 0.0476 lbs of pyrethrins per 1,000 cubic feet per day

On Horses:

To kill horn flies, house flies, mosquitoes and gnats, dilute at the rate of 1 part concentrate to 119 parts water (1 fluid ounce per gallon) and apply to wet the hair thoroughly with particular attention to the top, underlines, flanks, withers, and other infested areas. Repeat treatment at intervals of 5 to 12 days for small insect populations or daily when flies are emerging in large numbers.

To kill stable flies, horse flies, and deer flies, dilute 1 part concentrate to 29 parts water (4.3 fluid ounces per gallon) and apply a quart per adult animal to wet the hair thoroughly with particular attention.

Fumigate Infested Stored Products or Treat by other effective methods using an approved product intended for this use.

In mills, elevators, and granaries, thoroughly spray floors, walls and other surfaces of bins, storage and handling areas with particular attention to cracks, crevices, and similar protected locations. Treat unloading and processing areas, and apply the insecticide to conveying, processing and handling equipment such as the interior of reel conveyors, purifier conveyors, elevators, mill buildings and hoppers, pick-up conveyors, etc. Spray thoroughly around the base of heavy machinery and equipment.

Thoroughly treat walls, floors, shelves and other exposed surfaces, and lightly spray each layer of cartons or containers as stacked. Sack surfaces of bagged grain can be sprayed lightly until slightly moist. For protection in transit, treat truck beds, boxcars, and ships' holds before loading.

Using a dilution of 1 part concentrate in 29 parts water (4.3 fluid ounces per gallon), apply at a rate of 1 gallon to 750 square feet of surface with particular attention to cracks, crevices, and similar hiding places.

To kill exposed accessible stages of Indian meal moths and Angoumois grain moths in stored grain:

Dilute 1 part of concentrate in 14 parts of water (6.6 fluid ounces per gallon) and apply to the surface of the binned grain at a rate of 2 gallons per 1,000 square feet (1.6 pints per 100 square feet). Apply at monthly intervals beginning with the first appearance of moths and continuing until early fall. In case of severe infestation, break up webbing with rake before spraying and make a second application in two weeks.

In Food Processing Plants:

Dilute at a rate of 1 part concentrate to 29 parts water (4.3 fluid ounces per gallon); for use in horse barns, dairy and hog barns, and other farm structures or buildings housing animals or poultry.

Do not treat dairy or meat producing animals or their housing areas with other fly control measures containing pyrethrins and/or piperonyl butoxide in conjunction with the use of this product to avoid exceeding established tolerances for these solvents.

For Use with Hand Held Mechanical Foggers:

To Kill House Flies, Horn Flies, Stable Flies, Horse Flies, Mosquitoes and Gnats: Dilute with water as below to give 0.10% concentration and apply as a fine mist or fog. Direct spray toward ceiling and upper corners of the room until the area is filled with mist, using about two fluid ounces per 1,000 cubic feet of space.

For Use through Automatic Spraying Systems:

Not for use in residential areas. Do not use in nurseries or rooms where infants, ill, or aged persons are confined. Do not place metering device directly over or within 3 feet of exposed food, clothing, utensils, food processing equipment and food handling or preparation. Do not install within 3 feet of air vents. Carefully follow directions for the dispenser unit when installing the dispenser and recharging with pesticide or conducting maintenance. Do not apply more than 0.0002 lbs pyrethrins per application. This is equivalent to 10 oz of 0.5% pyrethrins per 1,000 cu. ft. ...
PETS
READ ENTIRE LABEL BEFORE EACH USE
USE ONLY ON DOGS (OVER 12 WEEKS OF AGE) TO KILL FLEAS, LICE, TICKS AND SPINOSE EAR TICKS
ON DOGS: To kill fleas, ticks and lice on dogs, and to obtain protection against reinfestation, dilute at 1:29 in water and wet the animal by dipping or spraying. For best results against fleas and ticks on dogs, also treat the kennels or animal quarters and bedding. To kill spinose ear ticks, dilute at the rate of 1 part concentrate to 74 parts water (1.7 fluid ounces per gallon) and apply by individual treatment, spraying or pouring a few drops into the ears of dogs. Do not repump product for 7 days.

MOSQUITO CONTROL OUTDOORS
For use by federal, state, tribal, or local government officials responsible for public health or vector control, or by persons certified in the appropriate category or otherwise authorized by the state or tribal lead pesticide regulatory agency to perform adult mosquito control applications, or by persons under their direct supervision.

The maximum application rate for wide area mosquito adulticide applications is 0.0123 lbs, pyrethrins/acre, or 0.005 lbs piperonyl butoxide/acre, whichever is lower. When targeting Aeles, Culex, and other difficult species, applications may be made up to 0.008 lbs, pyrethrins/acre/day, or 0.006 lbs piperonyl butoxide/acre/day, whichever is lower.

Do not apply more than 0.2 lbs pyrethrins/acre/year, or 2 lbs piperonyl butoxide/acre/year, whichever is lower, in any treated area. More frequent treatments may be made to prevent or control a threat to public health and/or animal health determined by a state, tribal, or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the state or tribe, during a natural disaster recovery effort.

WIND SPEED: Apply only when wind speed is greater than or equal to 1 mph.

GROUND APPLICATION: Spray equipment must be adjusted so that the volume median diameter is less than 30 microns (D_{50} < 30 μm) and that 90% of the spray is contained in droplets smaller than 50 microns (D_{90} < 50 μm). Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a laser-based measurement instrument must be used to adjust equipment to produce acceptable droplet size spectra. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

AERIAL APPLICATION: RELEASE HEIGHT FOR AERIAL: Fixed wing - Apply using a nozzle height of no less than 100 feet above the ground or canopy. Rotary wing - Apply using a nozzle height of no less than 75 feet above the ground or canopy.

Spray equipment must be adjusted so that the volume median diameter produced is less than 60 microns (D_{50} < 60 μm) and that 90% of the spray is contained in droplets smaller than 80 microns (D_{90} < 80 μm). The effects of flight speed, and for non-rotary nozzles, nozzle angle on the droplet size spectrum must be considered. Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a wind tunnel and laser-based measurement instrument must be used to adjust equipment to produce acceptable droplet size spectra. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

Application using fixed wing aircraft: Use 2-4 fluid ounces of concentrate in 4 gallons of water per acre, to control mosquito larvae, dilute 13% fluid ounces of concentrate in 1 gallon of water and apply at a rate of 5 gallons per acre. Apply as a coarse wetting spray uniformly over wetlands, swamps, marshes, or shallow water. Do not exceed this dosage or fish kill may result.

FOR USE THROUGH AUTOMATIC SPRAY SYSTEMS OUTDOORS
To kill mosquitoes, flies, gnats, and other outdoor pests. Fill tank halfway with water, then add concentrate. Fill the rest of the tank with water. Dispense diluted concentrate through automatic spraying system. Locate nozzles at a minimum of 10 feet apart or a maximum of 15 feet apart. One nozzle covers 100 square feet. Nozzles should be rated for a maximum of 1.25 oz. per minute. Set timer to operate in accordance with equipment directions.

Dilute Pyre-net* 003 EC just prior to use as follows: 0.05% Pyrethrins – Add 1 part concentrate to 50 parts water.

FOR OUTDOOR USE IN RESIDENTIAL 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.
If the system works on an automatic timer, set the timing for application when people, pets and food are unlikely to be present.
If the system works when a person operates a remote activation device, then application of this pesticide when people, pets and food are present is prohibited.
Do not use in an evaporative cooling system.
**Pyronyl™**

**303 EC**

**KILLS:** Including but not limited to: Ants, Caddelles, Cockroaches, Confused Flour Beetles, Fungus Gnats, Granary Weevils, Horn Flies, House Flies, Mosquitoes, Rice Weevils, Saw-toothed Grain Beetles, Stable Flies

**FOR USE IN:** Dairy Barns, Hog Barns and other farm structures for buildings housing animals or poultry, Horse Barns, Kennels, Food Processing Plants, Mills, Elevators and Granaries, Automatic Spraying Systems

Refer to the label for additional use sites.

**ACTIVE INGREDIENTS:**

- Pyrethrins .................................................. 3%
- Piperonyl Butoxide * .................................. 30%
- **OTHER INGREDIENTS** **‡** .......................... 67%

**TOTAL** ................................................................ 100%

* (butylcyclohexyl)ether and related compounds.
‡ Contains Petroleum Distillates

**CENRAL LifeSciences**

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(If you do not understand this label, find someone to explain it to you in detail.)

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**BASE TEXT**

(Underneath Booklet)

[30517431] EPA Reg. No. 89459-40
EPA Est. No. 2724-TX-1

Manufactured for:
Central Garden & Pet Company
1301 East Woodfield Road 200W
Schaumburg, Illinois 60173