

PYROL®

INSECTICIDE/MITICIDE

Active Ingredients	By Weight
Pyrethrins.....	0.5%
Canola Oil.....	89.5%
Other Ingredients.....	10.0%

Total..... 100.0%

This product contains 6.875 lbs. of canola oil and 0.038 lbs. of pyrethrins per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION

EPA REG. NO. 67702-5 EPA EST. NO. 48498-CA -1
NET CONTENTS: 2.5 gallons
Patent No. 5,700,473

FIRST AID

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.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information concerning this product, call the National Pesticide Information Center (NPIC) at 1-800-858-7378 Monday through Friday, 7:30 AM to 3:30 PM (NPIC Web site: www.npic.orst.edu) During other times, call the poison control center 1-800-222-1222.	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals: CAUTION. Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Personal Protective Equipment (PPE) Requirements: Mixers, loaders, applicators, and other handlers must wear the following: long-sleeved shirt and long pants; shoes plus socks; and waterproof gloves.

User Safety Requirements: Follow manufacturer's instructions for 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 material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

Do not apply directly into sewers or drains, or to any area like a gutter where drainage to storm sewers, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

User Safety Recommendations

Users should:

- Wash hands 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. 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.

Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters. Observe the most restrictive of the labeling limitations and the precautions of all products used in mixtures.

For guidance, contact your State Water Board or Regional Office of the EPA. Observe the most restrictive of the labeling limitations and precautions of all products used in mixtures.

DIRECTIONS FOR USE

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

USE RESTRICTIONS

- Do not wet plants to point of runoff or drip.
- Do not apply more than 10 times per season.
- 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 harvest until spray has dried.

- Do not apply to cotton within 14 days of seed harvest.
- 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 apply within 21 days of a sulfur application.
- Do not use PYROL® spray when temperatures are above 90°F.
- Do not make applications during rain
- Do not apply this product in a way that will contact adults, children, or pets, either directly or through drift. Remove pets and birds and cover fish aquariums before spraying.
- Do not water the treated area to the point of runoff.

Spray Drift Management for Agriculture Crops: Avoiding spray drift at the application site is the responsibility of the applicator and the grower. The interactions of many equipment (boom sprayer, pressurized handheld/backpack sprayer, airblast sprayer, insectigation) 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). Do not release spray at a height greater than 4 feet above the ground or crop canopy.

Phytotoxicity: Oil removes the glaucous (blue) bloom from such evergreens as Colorado blue spruce and Koster spruce. Use a 1% solution on oil sensitive plants such as: Chamaecyparis, Cryptomeria, Japanese Holly, Red Cedar and Smoke Tree. Use care on blooms and buds. If concerned about sensitivity of plants, test spray a portion of the plant and wait several days to determine if burn occurs before spraying larger areas.

Read entire label. Use only as directed. Mix well before each use. Thoroughly wet all parts of the plants. Repeat treatment in 1 - 2 weeks if necessary. May be used on edible crops up to and including day of harvest.

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), restricted-entry interval, and notification to workers. The requirements of this box apply to uses of this product that are covered by the Worker Protection Standard (WPS).

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.
PPE required for early reentry into 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; shoes plus socks; and chemical resistant gloves made of any waterproof material.

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.
Do not enter or allow others to enter until sprays have dried

TANK MIXING

Read and follow all applicable directions and precautions on the label of other products, before mixing with PYROL®.

PYROL® can be applied up to day of harvest. When tank mixed with products, do not apply that product closer to the harvest than is permitted or stated on the other product's label.

Pour PYROL® into spray tank at least half filled with water using adequate agitation. When mixed with other products proven or known to be compatible, wettable powders should be added first, followed by flowable concentrates, then PYROL® and other emulsifiable concentrates.

PYROL® can be mixed with spinosad (Entrust™, Conserve™ or SpinTor), Bacillus thuringiensis (Deliver®, Agree®WG, Javelin®WG, XenTari® DF, Foray® XG, Foray® 76B, Foray® 48B or Biobit® XL), Bacillus subtilis (Serenade®ASO or Serenade®Max), Bacillus pumilus (Sonata®) for use on the crops listed on this label, in accordance with the most restrictive of label limitations and precautions. No label dosage rates may be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.

For foliage application the spray tank must be free of any sulfur residue before using this material. Do not combine sulfur sprays with this material on foliage during spring and summer months. Do not apply within 21 days of a sulfur application. If in doubt, spray a portion of one tree previously treated with sulfur and wait several days to determine if burn occurs.

When used in combination with or immediately before or after spraying, this product may increase the phytotoxicity of fungicides such as Captan, or copper compounds. If in doubt, treat a small area with a combination spray and wait several days to determine if burn occurs.

MIXING

For 2% solution, mix 2 parts concentrate with 98 parts water. For 1% solution, mix 1 part concentrate with 99 parts water. For soft-bodied pests such as aphids and mites, use 1% solution. Shake well before each use and stir or shake diluted spray frequently during use.

1. Add sufficient water to the mixing tank to allow proper agitation by pump or paddles.
2. Continue stirring while adding first the PYROL® then the remaining water.

3. Continue to stir throughout use.
4. If using equipment without pump or paddle, shake often during use.
5. Flush fluid in sprayer hose lines back into the tank if the solution has remained unstirred for more than 20 minutes.

PESTS

PYROL® will kill: Adelgids, Ants (including Foraging Ants, Sweet-Feeding Ants, Pavement Ants, Moisture Ants, Little Black Ants, Argentine Ants, Crazy Ants, Acrobat Ants, Bigheaded Ants, Cornfield Ants, Ghost Ants, Odorous House Ants, Thief Ants, Texas Leafcutting Ants, Field Ants, and other Common Ants) (except Fire Ants, Harvester Ants, Carpenter Ants, and Pharaoh Ants), Aphids (including Green Peach Aphids), Armyworms (including Beet Army Worms, Western Yellow Striped Armyworms), Bagworms, Beetles (Colorado potato beetle, flea beetle, Japanese beetle, asparagus beetle, Blister Beetles, 12-spotted Cucumber Beetles, Cucumber Beetle, Darkling Beetles (lesser mealworm), Saw-toothed Grain Beetles, Elm Leaf Beetles, Bean Beetles, Mexican Bean Beetles), Blow Flies, Borers (including European Corn Borer, Branch and Twig Borers, Shot hole borers and Pacific flathead borers), Box Elder Bugs, Cabbageworms (including Cross-striped Cabbageworm and Imported Cabbageworm), Cankerworms, Caterpillars (Gypsy Moth Caterpillars, Tent Caterpillar, Eastern Tent Caterpillar, Forest Tent Caterpillar and Tomato Fruitworm Caterpillar), Corn Earworms, Crane Flies, Crickets, Diamondback Moth Larvae, Earwigs, Fireworms, Fungus Gnats, Fruit Flies (Including Cherry Fruit Fly), Glassy Winged Sharpshooter, Grape Leaf Skeletonizer, Grasshoppers, Green Fruit Worm, Harlequin Bugs, Hornworms (including Tomato Hornworm), Katydid, Lace Bugs, Leafhoppers (including Grape Leafhopper, and Potato Leafhoppers), Leafminers, Leafrollers (including Fruittree Leafrollers), Leaf-tiers, Loopers (including Cabbage Looper), Lygus, Maggots (including Apple Maggot, Cabbage Maggots, and Onion Maggot), Mealybugs (including Citrus Mealybugs, Grape Mealybugs and Vine Mealybugs), Midges, Millipedes, Mites, (including Clover Mites, European Red Mite and Spider Mites), Moths (including Artichoke Plume Moth, Codling Moth, Diamondback Moth, European Pine Tip Moth, Gypsy Moths, Indian Meal Moth, Mediterranean Flour Moth), Mushroom Flies, Navel Orangeworm, Plant Bugs (including Leaf footed Plant Bug, Tarnished Plant Bug), Psyllids (including Pear Psyllids), Sawfly Larvae (pear and rose slugs), Scale insects (including Soft Scale and Armoured Scale), Silverfish, Skippers, Sowbugs, Spittlebugs, Squash Bugs, Stink Bugs, Thrips (including Greenhouse Thrips), Vinegar Flies, Webworms, Weevils (including Boll Weevil, Carrot Weevil, Clover Weevil, Rice Weevil, Pepper Weevil), Whitefly and Phylloxera.

USE SITES AND APPLICATION INSTRUCTIONS

OUTDOOR USE

Repeat in 7 to 14 days, as needed, up to three applications per growing season. Apply 2% diluted product except for soft-bodied pests such as aphids and mites. For these pests a 1% dilution rate is sufficient. Mix well before each use. Apply at a rate of 65 gal/acre of 2% dilution and 65-130 gal/acre of 1% dilution. Do not apply more than 1.3 gallons of concentrate per acre per application.

Crop	Application Rate of Diluted Concentrate
Fruit trees such as: apples, apricots, cherries, nectarines, peaches, pears, plums, prunes	Dormant, pre-bloom and summer use 1%: 65-130 gallons/acre 2%: 65 gallons/acre
Flowering, foliage and bedding plants - greenhouse and outdoors	1%: 65-130 gallons/acre 2%: 65 gallons/acre
Sugar beets	1%: 65-130 gallons/acre 2%: 65 gallons/acre
Cotton	When insects appear- repeat weekly as needed 1%: 65-130 gallons/acre 2%: 65 gallons/acre
Soybeans, melons, tomatoes, vegetables such as: asparagus, beans, beets, broccoli, Brussels sprouts, cabbage, cauliflower, celery, collards, cucurbits, eggplant, kale, lettuce, lima beans, mustard greens, peas, potatoes, peppers, radishes, spinach, squash, turnips.	Summer use 1%: 65-130 gallons/acre 2%: 65 gallons/acre
Small fruits such as: grapes, strawberry, blueberry, raspberry, cranberry, blackberry.	Dormant and summer use 1%: 65-130 gallons/acre 2%: 65 gallons/acre
Nut crops: almonds, filberts, macadamias, pecans, pistachios, walnuts	Dormant, pre-bloom and summer use 1%: 65-130 gallons/acre 2%: 65 gallons/acre
Citrus	Post-bloom, summer or fall 1%: 65-130 gallons/acre 2%: 65 gallons/acre
Herbs and spices such as: anise (aniseed), basil, caraway, chicory, chives, coriander, cumin, dill, fennel (Italian and sweet), marjoram, sweet oregano, mint, nasturtium, paprika, parsley, rosemary, sage, savory, tarragon and thyme.	When insects appear, repeat weekly as needed. 1%: 65-130 gallons/acre 2%: 65 gallons/acre
Ornamental and shade trees, flower and foliage plants, birch, flowering cherry, dogwood, evergreens, hawthorn, holly, magnolia, maple, oak, flowering peach, privet, pyracantha, sycamores	Dormant, pre-bloom and summer use 1%: 65-130 gallons/acre 2%: 65 gallons/acre

GREENHOUSE USE

Repeat in 7 to 14 days, as needed, up to three applications per growing season. Apply 2% diluted product, except for on soft-bodied pests such as aphids and mites. For these pests use a 1% dilution rate. Mix well before each use. Apply at a rate of 0.20 fl.oz./square foot of 2% dilution and 0.20-0.40 fl.oz./square foot of 1% dilution. Do not apply more than 0.004 fl. oz. of concentrate per square foot per application.

Crop	Application Rate of Diluted Concentrate
Flowering, foliage and bedding plants	1%: 0.20-0.40 fl. oz./square foot 2%: 0.20 fl.oz./square foot
Soybeans, melons, tomatoes, vegetables: asparagus, beans, beets, broccoli, Brussels sprouts, cabbage, cauliflower, celery, collards, cucurbits, eggplant, kale, lettuce, lima beans, mustard greens, peas, potatoes, peppers, radishes, spinach, squash, turnips.	Summer use 1%: 0.20-0.40 fl. oz./square foot 2%: 0.20 fl.oz./square foot
Small fruits such as: grapes, strawberry, blueberry, raspberry, cranberry, blackberry.	Dormant and summer use 1%: 0.20-0.40 fl. oz./square foot 2%: 0.20 fl.oz./square foot
Herbs and spices such as: anise (aniseed), basil, caraway, chicory, chives, coriander, cumin, dill, fennel (Italian and sweet), marjoram, sweet oregano, mint, nasturtium, paprika, parsley, rosemary, sage, savory, tarragon and thyme.	When insects appear, repeat weekly as needed. 1%: 0.20-0.40 fl. oz./square foot 2%: 0.20 fl.oz./square foot

DORMANT USE

Kills egg stages of pests present in dormant season and scale insects, mites, and mealybugs on dormant shrubs, evergreens, woody plants, fruit trees, and shade trees.

Apply 2% solution at a rate of 65 gal of diluted solution/acre. Do not apply more than 1.3 gallons of concentrate per acre per application.

CHEMIGATION

Do not apply this product through any type of irrigation system.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep this product in its tightly closed original container when not in use. Store in a cool, dry, well-ventilated (preferably locked) 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 HANDLING: 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 ¼ full with diluent 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, for reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

NOTICE TO BUYER

To the extent consistent with applicable law, seller warrants that this product conforms to the chemical description on this label and is reasonably fit for purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with Directions for Use under normal use conditions. To the extent consistent with applicable law, this warranty does not extend to use of this product contrary to label directions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Seller. To the extent consistent with applicable law, the Seller shall not be liable for any such use. To the extent consistent with applicable law, the Seller makes no other warranties, either expressed or implied.

- Dormant and growing season insect spray
- Kills all accessible stages of insects, including eggs.
- Pyrol® is a trademark of W. Neudorff GmbH KG
- May be used up to day of harvest

Registrant:

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