

NEU1161

ACCEPTED
OCT - 5 2000
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 67702-5

Active Ingredient	By Wt.
Pyrethrins	0.5%
Canola Oil	89.5%
Inert 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

FIRST AID	
IF ON SKIN	-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 SWALLOWED	-Call a poison control center or doctor immediately for treatment advice. -Have person sip a glass of water if able to swallow. -Do not induce vomiting unless told to by a poison control center or doctor. -Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor or going for treatment.	

NET CONTENTS: Gallons

EPA Registration #: 67702-5
Patent Pending

EPA Establishment # 67702-WG-1

PRECAUTIONARY STATEMENTS - COMMERCIAL AGRICULTURE

Hazards to Humans and Domestic Animals: CAUTION. Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

Personal Protective Equipment (PPE) Requirements: Applicators and other handlers must wear: long-sleeved shirt and long pants; shoes plus socks; and waterproof gloves. Follow manufacturer's instructions for maintaining PPE. If no

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such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations - Commercial Agriculture

- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove clothing immediately after handling this product. If gloves are worn, 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 fish. 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 by cleaning of equipment or disposal of equipment washwaters.

PRECAUTIONARY STATEMENTS - HOUSEHOLD

Hazards to Humans and Domestic Animals: CAUTION. Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Get medical attention if irritation persists. If on clothing, remove and wash items affected.

Environmental Hazards: This product is toxic to fish. Do not apply directly to water or to intertidal areas below the high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

STORAGE AND DISPOSAL - COMMERCIAL AGRICULTURE

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

STORAGE: Store this product in its original container and keep in a secure storage area out of reach of children and domestic animals.

DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Triple rinse container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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STORAGE AND DISPOSAL - HOUSEHOLD

STORAGE: Store this product in its original container and keep in a secure storage area out of reach of children and domestic animals.

DISPOSAL: Do not reuse container. Securely wrap original container in several layers of newspaper and discard in trash.

DIRECTIONS FOR USE - HOUSEHOLD

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

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

DIRECTIONS FOR USE - COMMERCIAL AGRICULTURE

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Do not apply this product in a manner that will contact workers or other persons, either directly or through drift. Only protected workers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency representative responsible for pesticide regulation.

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).

There is a restricted-entry interval 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

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been treated, such as plants, soil or water is: coveralls; shoes plus socks; and waterproof gloves.

DIRECTIONS FOR MIXING - HOUSEHOLD

For 1% solution mix 2 teaspoons of concentrate with 1 quart water (or 1 oz. concentrate with 3 quarts water). For 2% solution mix 4 teaspoons of concentrate with 1 quart water (or 2 fluid oz. concentrate with 3 quarts water). Shake well before each use and stir or shake diluted spray frequently during use.

DIRECTIONS FOR MIXING - COMMERCIAL AGRICULTURE

Apply 1% or 2% solutions, 1 to 2 gal. per 100 gal., at a rate of 75 - 200 gal/acre.

1. Add sufficient water to the mixing tank to allow proper agitation by pump or paddles.
2. Continue stirring while adding first the NEU1161 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.

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PESTS/SITES AND APPLICATION INSTRUCTIONS- COMMERCIAL AGRICULTURE

Repeat, as needed, up to three applications per pest complex for outdoor and greenhouse use.

Crop	Pest	Application	Rate
Fruit trees - apples, apricots, cherries, nectarines, peaches, pears, plums, prunes	aphids, apple red bug, caterpillars, European red mite, fruittree leafroller, leafhoppers, mites, pear psylla, plant bugs, sawfly larvae, scales, spider mites	Dormant, pre-bloom and summer use	1 or 2%
Flowering, foliage and bedding plants - greenhouse and outdoors	aphids, caterpillars, fungus gnats, lace bugs, leafminers, mealybugs, mites, scales, thrips, whiteflies	Apply as needed	1 or 2%
Sugar beets	leafminer, mites	As needed	1 or 2%
Cotton	aphids, mites, whiteflies, leafhoppers	When insects appear-repeat weekly as needed	1 or 2%
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)	aphids, adelgids, armored scale, asparagus beetle, beetle larvae, blister beetles, cabbage looper, cabbage worms, cankerworms, caterpillars, Colorado potato beetle, diamondback moth larvae, earwigs, flea beetle, harlequin bug, imported cabbageworm, Japanese beetles, leafhoppers, leafminers, leafrollers, mealybugs, Mexican bean beetles, mites, psyllids, plant bugs, soft scales, sowbugs, stink bugs, thrips, spotted cucumber beetles, webworms, whiteflies	Summer use	1 or 2%

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Crop	Pest	Application	Rate
Small fruits (grapes, strawberry, blueberry, raspberry, cranberry)	aphids, caterpillars, grape phylloxera, leafhoppers, Lygus bugs, mealybugs, mites, scales, spittlebugs	Dormant and summer use	1 or 2%
Citrus	aphids; citrus mealybug; mites; scales: red, black, yellow & purple	Post-bloom, summer or fall	1 or 2%
Houseplants	aphids, fungus gnats, mealybugs, mites, scales, springtails, thrips, whiteflies	As needed	1 or 2%
Ornamental and shade trees (flower and foliage plants, birch, flowering cherry, dogwood, evergreens, hawthorn, holly, magnolia, maple, oak, flowering peach, privet, pyracantha, sycamores)	aphids, adelgids, caterpillars, gall mites, gypsy moth caterpillars and adults, lace bugs, leaf beetle larvae, leafhoppers, mealybugs, mites, plant bugs (immature), psyllids, sawfly larvae, scales, spider mites, tent caterpillars, whiteflies	Dormant, pre-bloom and summer use	1 or 2%

PESTS/SITES AND APPLICATION INSTRUCTIONS- HOUSEHOLD

NEU1161 will control insect pests such as: aphids, beetles (e.g., Colorado potato beetle, flea beetle, Japanese beetle, asparagus beetle), caterpillars (e.g., gypsy moth caterpillars, tent caterpillar, diamondback moth larvae, leafrollers), ants, mealybugs, mites, leafhoppers, scale, whitefly, adelgids, plant bugs, fungus gnats, thrips, sawfly larvae, psyllids, spittlebugs, and phylloxera. Apply at a rate of 1% or 2% solution. For soft-bodied pests such as aphids and mites, a 1% solution is sufficient. Using hand-held trigger sprayers, hand sprayers or backpack sprayers, thoroughly spray insect pests with diluted product until plants are wet. Repeat treatment in 1-2 weeks if needed.

For use indoors, outdoors and in greenhouses on fruit and nut trees (e.g., apples, cherries, peaches, pears, nuts); flowering, foliage and bedding plants; corn; soybeans; melons; tomatoes; vegetables (e.g., beans, cabbage, cucurbits, peas, potatoes); figs; small fruits (e.g., grapes, strawberry, raspberry); citrus; ornamental and shade trees (e.g., birch, evergreens, holly, oak); houseplants.

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DIRECTIONS FOR DORMANT USE - COMMERCIAL AGRICULTURE

Controls 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, 2 gal. per 100 gal., at a rate of 75 - 200 gal/acre.

DIRECTIONS FOR DORMANT USE - HOUSEHOLD

Controls egg stages of pests present in dormant season and scale insects, mites and mealybugs on dormant shrubs (e.g., roses), evergreens, woody plants, fruit trees and shade trees. For dormant use apply a 2% solution. Thoroughly wet the dormant plants or trees.

FOR TOMATOES AND FRUITS AFTER HARVEST USE

NEU1161 may be used to control vinegar flies and fruit flies. Apply at a rate of 2% solution (2 gallons per 100 gallons). Mix thoroughly. Thoroughly spray harvested tomatoes and fruits. They may be sprayed in piles, in baskets, on trucks or in processing plants. Use a 2% solution and apply at a rate of ½ pint per bushel. The empty containers may be dipped into 2% solutions of NEU1161 to kill any larvae and pupae remaining.

USE PRECAUTIONS - COMMERCIAL AGRICULTURE

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 caution 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.

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 and do not follow a previous application of sulfur or apply sulfur following an application of this material until sufficient time has elapsed for safety (at least 30 days). 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.

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Do not use NEU1161 spray when temperatures are above 90°F. When temperatures drop below 32°F during the night, do not spray tree and vine crops until daytime temperatures have warmed to a point above 35°F and crops are free from moisture due to melting frost or heavy dews.

Use of the NEU1161 on citrus after October 1 may increase the tree's susceptibility to cold damage.

USE PRECAUTIONS - HOUSEHOLD:

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 caution 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.

Do not combine with sulfur and do not follow a previous application of sulfur or apply sulfur following an application of this material until sufficient time has elapsed for safety (at least 30 days).

When used in combination with or immediately before or after spraying, this product may increase the phytotoxicity of or 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.

Do not use NEU1161 spray when temperatures are above 90°F. When temperatures drop below 32°F during the night, do not spray tree and vine crops until daytime temperatures have warmed to a point above 35°F and crops are free from moisture due to melting frost or heavy dews.

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IRRIGATION SYSTEM USE - COMMERCIAL AGRICULTURE

Sprinkler irrigation system must contain anti-siphon valve, check valves, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. It must contain interlocking controls between the metering device and the water pump to ensure simultaneous shutoff. Do not connect an irrigation system (including greenhouse systems) used for pesticide application, to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.

Maintain constant agitation in the chemical supply tank during insecticide application period. Inject NEU1161 with a positive displacement pump into the main line ahead of a right angle turn to ensure adequate mixing. Application is not recommended when any leakage is occurring at system connections and fittings, when nozzles do not provide uniform distribution, when lines must be dismantled or drained or when wind speed favors drift.

Accuracy in distribution is important as adequate coverage must occur for insect control yet excessive coverage may cause crop injury. To improve accuracy in calibration inject a larger volume of a more dilute suspension per unit of time.

NOTICE TO BUYER

Seller warrants that this product conforms to the chemical description on this label and is reasonably fit for purposes stated on this label only when used in accordance with directions under normal use conditions. 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. Buyer assumes all risk of any such use. Seller makes no other warranties, either expressed or implied.

[Marketing claims and product information that may be presented on the container or supplemental labeling:

- Dormant and growing season insect spray for control of adelgids, aphids, armored scale, beetle larvae, cankerworms, caterpillars, fungus gnats, lace bugs, leafhoppers, leafminers, leafrollers, mealybugs, mites, plant bugs, psyllids, scale insects, spider mites, thrips, webworms and whiteflies.
- Does not contain piperonyl butoxide [butyl-carbityl (8-propylpiperonyl) ether].
- Provides broad spectrum control.
- Patent pending formulation.
- Kills all stages of insects, including eggs.
- Based on plant oils.
- Residual protection against mites.
- Does not persist for long periods in the environment.

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- Contact insecticide, ovicide.
- Insecticide from plants for plants.
- Acts as a repellent (ovipositional and feeding deterrant)
- Easy to use
- Insecticide/miticide
- NEU1161 is a contact killer for both insect and mite pests.
- For best results, pests must be contacted directly with spray.]

Registrant: W. Neudorff GmbH KG, Postfach 1209, an der Mühle 3,
D-31860 Emmerthal, Germany