

67702-5

11/30/2011

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460-0001

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

November 30, 2011

Mr. Walter G. Talarek, P.C.,  
Agent for W. Neudorff GmbH KG  
1008 Riva Ridge Drive  
Great Falls, VA 22066-1620

**Subject: Revised Labeling, Response to SAL Dated April 20, 2010  
NEU1161, EPA Reg. No. 67702-5  
Your Submission Dated September 7, 2011**

Dear Mr. Talarek:

The labeling referred above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable with the following label revision provision(s):

General Statement:

1. Delete all text throughout the label marked with "strikethrough."

**Comments Specific to SUBLABEL A: Home and Garden Use and Home Greenhouse Use:**

Precautionary Statements, Environmental Hazards Statement subsection comment(s), page 3 of 15:

2. To facilitate inclusion of all required label language from the RED for pyrethrins, you must insert the following new text as a 2<sup>nd</sup> paragraph within this subsection to read as follows: "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."

Directions for Use, Phytotoxicity subsection comment(s), page 3 of 15:

3. Revise the subsection heading "**Phytotoxicity:**" to read "**Phytotoxicity Note:**"

**Comments Specific to SUBLABEL B: Commercial Agriculture Use:**

Precautionary Statements, Environmental Hazards Statement subsection comment(s), page 9 of 15:


4. To facilitate inclusion of all required label language from the RED for pyrethrins, at the very end of the 3<sup>rd</sup> paragraph within this subsection, delete the ending bracket "]" since the verbiage is NOT considered to be optional.
5. Within the statement "[For container sizes of 5 gallons or more, use the following statement:" replace the word "use" with the word "add."

Should you wish to add/retain a reference to the company's website on your label, please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under section 12(a)(1)(E) of FIFRA. 40 CFR §156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not be substantially differ from those claims approved through the registration process. Therefore, should the Agency find, or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to EPA's Office of Enforcement and Compliance Assurance (OECA). As an alternative, you may refer consumers to the company's phone number or e-mail address.

A copy of your label stamped "Accepted with Comments" is enclosed for your records. Please submit two (2) copies of the final printed labeling, incorporating the above changes, before releasing the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with section 6(e) of FIFRA. Your release for shipment of the product bearing amended labeling constitutes accepting of these conditions.

If you have any questions about this label review, please contact Mr. Carmen J. Rodia, Jr. at (703) 306-0327 or via e-mail at [Rodia.Carmen@epa.gov](mailto:Rodia.Carmen@epa.gov).

Sincerely yours,



Richard J. Gebken  
Product Manager (10)  
Insecticide Branch  
Registration Division (7504P)

Enclosure: Copy of label stamped "Accepted with Comments"  
067702-00005 D454766

**MASTER LABEL**

**NEU1161**

**ACCEPTED  
With COMMENTS  
In EPA Letter Dated:  
November 30, 2011  
Under the Federal Insecticide, Fungicide  
and Rodenticide Act, As amended, for the  
pesticide Registered under EPA Reg. No:  
67702-5**

|                    |        |
|--------------------|--------|
| Active Ingredients | By Wt. |
| Pyrethrins         | 0.5%   |
| Canola Oil         | 89.5%  |
| Other Ingredients  | 10.0%  |
| Total              | 100.0% |

[The registrant may use one of these statements, either

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

OR

This product contains 0.859 lbs. of canola oil and 0.005 lbs. of pyrethrins per pint.

OR

This product contains 1.718 lbs. of canola oil and 0.01 lbs. of pyrethrins per quart.]

SUBLABEL A: Home and Garden Use  
SUBLABEL B: Commercial Agriculture Use

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

EPA Reg. No. 67702-5  
Patent No. 5,700,473

EPA Establishment No. 67702-WG-1

Manufactured by: W. Neudorff GmbH KG  
An der Muhle 3, Postfach 1209  
D-31860 Emmerthal, Germany

Home and Garden Use: Net Contents: 16 fl.oz, 24 fl.oz, 32 fl.oz, 1 gallon (128 fl.oz)

Commercial Agriculture Use: NET CONTENTS: 1 gallon, 5 gallons, 2.5 gallons, 20 gallons, 45 gallons

**SUBLABEL A: Home and Garden Use and Home Greenhouse Use**

**NEU1161**

|                    |              |
|--------------------|--------------|
| Active Ingredients | By Wt.       |
| Pyrethrins         | 0.5%         |
| Canola Oil         | 89.5%        |
| Other Ingredients  | <u>10.0%</u> |
| Total              | 100.0%       |

[The registrant may use one of these statements, either

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

OR

This product contains 0.859 lbs. of canola oil and 0.005 lbs. of pyrethrins per pint.

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**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

EPA Reg. No. 67702-5  
Patent No. 5,700,473

EPA Establishment No. 67702-WG-1

| <b>FIRST AID</b>  |   |
|---|---|
| <b>IF ON SKIN OR CLOTHING</b>   | <ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul> |
| <p>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 the National Pesticides Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific Time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.</p> |   |

NET CONTENTS: 16 fl.oz., 24 fl.oz., 32 fl.oz., 1 gallon

## PRECAUTIONARY STATEMENTS

**Hazards to Humans and Domestic Animals:** CAUTION. Harmful if swallowed or absorbed through the skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. 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.

### User Safety Recommendations

- Users should wash hands with plenty of soap and water 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.

**Environmental Hazards:** This product is toxic to aquatic organisms including fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid runoff to water bodies or drainage systems. See Directions for Use for additional precautions and requirements.

## DIRECTIONS FOR USE

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

**Only for use in home gardens and home greenhouses.**

## USE RESTRICTIONS

- Do not wet plants to point of runoff or drip.
- Do not allow adults, children, or pets to enter the treated area until sprays have dried.
- Do not apply this product in a way that will contact adults, children, or pets, either directly or through drift.
- Do not apply within 21 days of a sulfur application.
- Do not use NEU1161 spray when temperatures are above 90°F.
- Do not apply directly to or near water, storm drains, or drainage ditches. Do not apply when windy. To prevent product run-off, do not over water the treated area(s) or apply when heavy rain is expected. Rinse applicator over lawn or garden area only.
- 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.
- Not for use in outdoors residential misting systems.

**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. Test spray a portion of the plant and wait several days to determine if burn occurs before spraying larger areas. Some plants are sensitive to this product. If in doubt, test-spray a small portion of the plant and wait several days to determine if burn occurs before spraying larger areas.

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

## APPLICATION DIRECTIONS

[The registrant may use one of these application directions, either

**INSTRUCTIONS FOR MIXING**

For a 1% solution mix 2 teaspoons of concentrate with 1 quart (32 fl. oz.) water, or 1 fl. oz. concentrate with 3 quarts (96 fl. oz.) water. For a 2% solution mix 4 teaspoons of concentrate with 1 quart (32 fl. oz.) water, or 2 fl. oz. concentrate with 3 quarts (96 fl. oz.) water. Shake well before each use and stir or shake diluted spray frequently during use.

OR

**Hose-End Sprayer Directions**

Follow the directions for using the Hose-End sprayer.

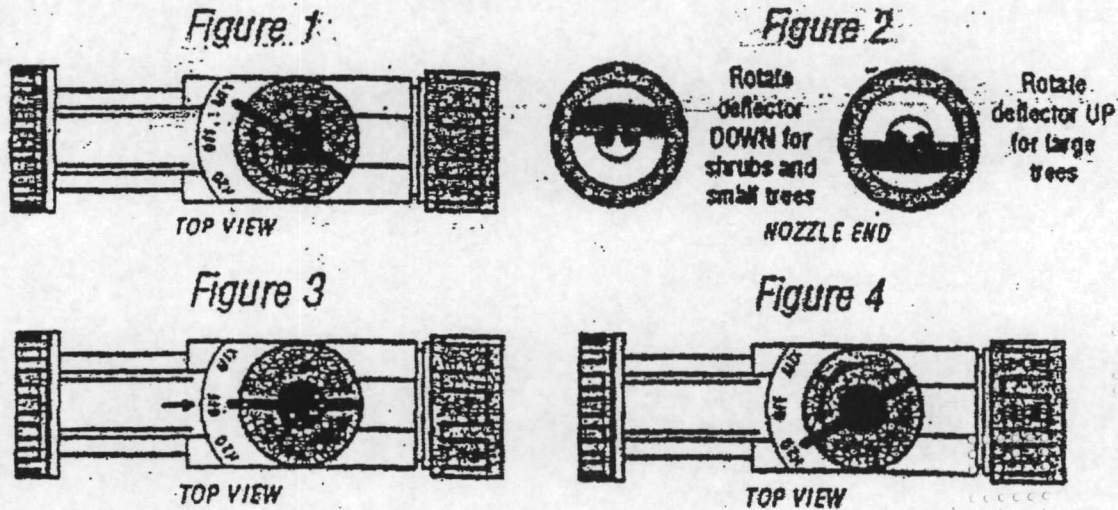
**How to use hose-end sprayer:**

1. Connect spray nozzle to garden hose.
2. Turn on the water from the faucet.
3. When you are ready to spray, turn the blue knob on top so that it points to the MIX position on the spray head. (Fig. 1)
4. The spray deflector on the front of the hose-end applicator can be rotated to give a stream or fan spray. (Fig. 2)

**To stop spraying:**

1. When you are finished spraying or if you have to stop spraying at any time, turn the blue knob back to the OFF position. (Fig. 3)
2. Turn off the water from the faucet.
3. Turn the blue knob to H<sub>2</sub>O then OFF, to drain the water from the hose. (Fig. 4)
4. Unscrew spray nozzle from hose. Remove hose-end from container.]

[Optional Figure:



OR

# HOSE END SPRAYER INSTRUCTIONS

Shake before using.

## HOW TO USE:



1. Attach garden hose to spray nozzle.
2. Turn on water supply.



4. Point nozzle toward plants and turn water control knob to "On". Product will automatically mix with water. Spray upper and lower leaf surfaces thoroughly.



3. Bend safety tab down and turn control to "water".

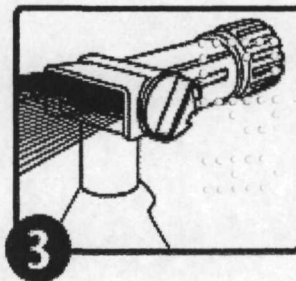
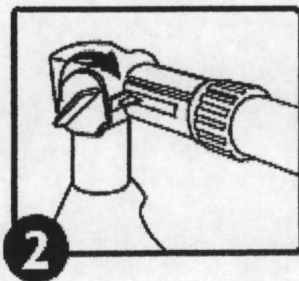
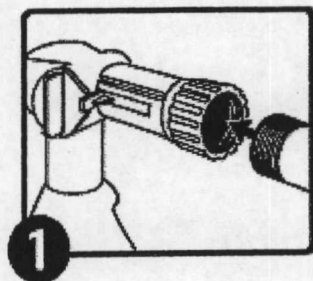


OR:

1. Attach garden hose to spray nozzle. Turn on water supply.
2. Bend safety tab down and turn control to "water".
3. Point nozzle toward plants and turn water control knob to "On". Product will automatically mix with water. Spray upper and lower leaf surfaces thoroughly.

## To Stop Spraying:

1. When you are finished spraying or if you have to stop spraying at any time, turn the blue knob back to the OFF position.
2. Turn off the water from the faucet.
3. Turn the blue knob to H<sub>2</sub>O then OFF, to drain the water from the hose.
4. Unscrew spray nozzle from hose. Remove hose end from container.



**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 refill or reuse this container. If empty: offer for recycling, if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**BATCH CODE**

**PESTS/SITES AND APPLICATION INSTRUCTIONS**

NEU1161 will kill the following insect pests: aphids, beetles (Colorado potato beetle, flea beetle, Japanese beetle, asparagus beetle), caterpillars (gypsy moth caterpillars, tent caterpillar, diamondback moth larvae, leafrollers), ants (except Fire Ants, Harvester Ants, Carpenter Ants, and Pharaoh Ants), mealybugs, mites, leafhoppers, scale insects, 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. Do not wet plants to point of runoff or drip. Repeat treatment in 1-2 weeks if needed.

**HOME GARDEN USE**

For use outdoors on fruit and nut trees (apples, cherries, peaches, pears, nuts); flowering, foliage plants; corn; melons; tomatoes; vegetables (beans, cabbage, cucurbits, peas, potatoes); figs; small fruits (grapes, strawberry, raspberry); citrus; ornamental and shade trees (birch, evergreens, holly, oak). Do not apply more than 4 fl. oz. of concentrate (400 fl. oz. of 1% solution or 200 fl. oz. of 2% solution) per 1000 square feet.

**DIRECTIONS FOR GREENHOUSE USE**

For use in home greenhouses on flowering, foliage plants; melons; tomatoes; vegetables (beans, cabbage, cucurbits, peas, potatoes); small fruits (grapes, strawberry, raspberry). Do not apply more than 4 fl. oz. of concentrate (400 fl.oz. of 1% solution or 200 fl.oz. of 2% solution) per 1000 square feet.

**DORMANT USE**

Kills egg stages of pests present in dormant season and scale insects, mites and mealybugs on dormant shrubs (e.g., roses), evergreens, fruit trees and shade trees. Apply a 2% solution. Thoroughly wet the dormant plants or trees. Do not apply more than 4 fl. oz of concentrate (400 fl. oz. of 1% solution or 200 fl. oz. of 2% solution) per 1000 square feet.

[Marketing claims and product information that may or may not be presented on the container or label:

- Dormant and growing season insect spray to kill 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.
- Patent #5,700,473
- Kills all accessible stages of listed insects, including eggs.
- Contact insecticide, ovicide.
- Fast acting - kills on contact



- Contains pyrethrins and canola oil botanical insecticides.
- Easy to use
- Insecticide/miticide
- NEU1161 is a contact killer for listed insect and mite pests.
- For best results, pests must be contacted directly with spray.
- Pyrol™ is a trademark of W. Neudorff GmbH KG
- Made with Pyrol™ Insecticide, a trademark of W. Neudorff GmbH KG
- Contains Pyrol™ Insecticide, a trademark of W. Neudorff GmbH KG



- May be used up to day of harvest
- May be used on edible fruits and vegetables up to and including day of harvest
- Can be used right up until day of harvest.
- Read entire container label before using this product
- Roses and flowers
- Gardens
- Fruits and vegetables
- Can be used in vegetable gardens
- [For 16. fl. oz container] Makes over 12 gallons of spray
- [For 24 fl. oz. container] Makes over 18 gallons of spray
- [For 32 fl. oz container] Makes up to 25 gallons of spray
- [For 1 gallon container] Makes up to 100 gallons of spray]

[The registrant may use one of these optional statements:

**“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 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.”

OR

Satisfaction guaranteed

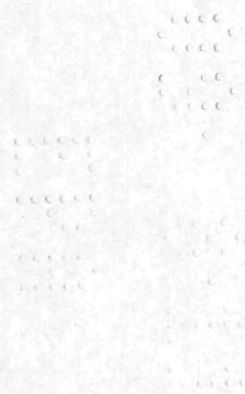
OR

Unconditionally guaranteed

OR

Money back guarantee]

Manufactured by: W. Neudorff GmbH KG  
 An der Muhle 3, Postfach 1209  
 D-31860 Emmerthal, Germany



**SUBLABEL B: Commercial Agriculture Use**

**NEU1161**

|                    |              |
|--------------------|--------------|
| Active Ingredients | By Wt.       |
| Pyrethrins         | 0.5%         |
| Canola Oil         | 89.5%        |
| Other Ingredients  | <u>10.0%</u> |
| Total              | 100.0%       |

[The registrant may use one of these statements, either

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

OR

This product contains 0.859 lbs. of canola oil and 0.005 lbs. of pyrethrins per pint.

OR

This product contains 1.718 lbs. of canola oil and 0.01 lbs. of pyrethrins per quart.]

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

EPA Reg. No. 67702-5  
Patent No. 5,700,473

EPA Establishment No. 67702-WG-1

| <b>FIRST AID</b>  |   |
|---|---|
| <b>IF ON SKIN OR CLOTHING</b>   | <ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul> |
| <p>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 the National Pesticides Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific Time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.</p> |   |

NET CONTENTS: 1 gallon, 5 gallons, 20 gallons, 45 gallons

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals:** CAUTION. Harmful if swallowed or absorbed through the skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. 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. Follow manufacturer's instructions for maintaining PPE. If no such instructions for washables, 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.

**User Safety Recommendations**

- 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 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.

~~[For containers sizes under 5 gallons, use the following statement:—~~

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. X

[For container sizes of 5 gallons or more, use the following statement:

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other water unless in accordance with the requirements of a National Pollutant 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. 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 NEU1161 spray when temperatures are above 90°F.

**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 NEU1161.

NEU1161 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 NEU1161 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 NEU1161 and other emulsifiable concentrates.

NEU1161 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 pumilis* (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 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.

**OUTDOOR PESTS/SITES AND APPLICATION INSTRUCTIONS**

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   | Pest   | Application Rate of Diluted Concentrate   |
|--|--|---|
| Fruit trees such as: 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<br>1%: 65-130 gallons/acre<br>2%: 65 gallons/acre |
| Flowering, foliage and bedding plants - greenhouse and outdoors                            | aphids, caterpillars, fungus gnats, lace bugs, leafminers, mealybugs, mites, scales, thrips, whiteflies  | 1%: 65-130 gallons/acre<br>2%: 65 gallons/acre                                      |

|   |   |   |
|---|---|---|
| Sugar beets   | leafminer, mites  | 1%: 65-130 gallons/acre<br>2%: 65 gallons/acre  |
| Cotton  | aphids, mites, whiteflies, leafhoppers  | When insects appear-repeat weekly as needed<br>1%: 65-130 gallons/acre<br>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. | 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<br>1%: 65-130 gallons/acre<br>2%: 65 gallons/acre                                    |
| Small fruits such as: grapes, strawberry, blueberry, raspberry, cranberry, blackberry.  | aphids, caterpillars, grape phylloxera, leafhoppers, Lygus bugs, mealybugs, mites, scales, spittlebugs, whiteflies  | Dormant and summer use<br>1%: 65-130 gallons/acre<br>2%: 65 gallons/acre                        |
| Nut crops: almonds, filberts, macadamias, pecans, pistachios, walnuts   | aphids, caterpillars, leafhoppers, leafrollers, mites, plant bugs, scales, spittlebugs, thrips, whiteflies  | Dormant, pre-bloom and summer use<br>1%: 65-130 gallons/acre<br>2%: 65 gallons/acre             |
| Citrus  | aphids; citrus mealybug; mites; scales: red, black, yellow & purple   | Post-bloom, summer or fall<br>1%: 65-130 gallons/acre<br>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.                                  | aphids, caterpillars, mites, plant bugs, whiteflies   | When insects appear, repeat weekly as needed.<br>1%: 65-130 gallons/acre<br>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  | 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<br>1%: 65-130 gallons/acre<br>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  | Pest  | Application Rate of Diluted Concentrate   |
|---|---|---|
| Flowering, foliage and bedding plants   | aphids, caterpillars, fungus gnats, lace bugs, leafminers, mealybugs, mites, scales, thrips, whiteflies   | 1%: 0.20-0.40 fl. oz./square foot<br>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. | 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<br>1%: 0.20-0.40 fl. oz./square foot<br>2%: 0.20 fl.oz./square foot                                    |
| Small fruits such as: grapes, strawberry, blueberry, raspberry, cranberry, blackberry.  | aphids, caterpillars, grape phylloxera, leafhoppers, Lygus bugs, mealybugs, mites, scales, spittlebugs, whiteflies  | Dormant and summer use<br>1%: 0.20-0.40 fl. oz./square foot<br>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.                          | aphids, caterpillars, mites, plant bugs, whiteflies   | When insects appear, repeat weekly as needed.<br>1%: 0.20-0.40 fl. oz./square foot<br>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 (For containers equal to or less than 5 gallons (18.9 L): 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.

Triple rinse as follows (For containers greater than 5 gallons (18.9 L): Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with diluent. 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. 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.

**BATCH CODE**

[Marketing claims and product information that may or may not 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.
- Patent #5,700,473
- Kills all accessible stages of insects, including eggs.
- Contact insecticide, ovicide.
- Fast acting – kills on contact.
- Contains pyrethrins and canola oil botanical insecticides.
- Easy to use
- Insecticide/miticide
- NEU1161 is a contact killer for listed insect and mite pests.
- For best results, pests must be contacted directly with spray.
- Pyrol™ is a trademark of W. Neudorff GmbH KG
- Made with Pyrol™ Insecticide, a trademark of W. Neudorff GmbH KG
- Contains Pyrol™ Insecticide, a trademark of W. Neudorff GmbH KG



- May be used up to day of harvest
- May be used on edible crops up to and including day of harvest
- Can be used right up until day of harvest.
- Read Entire Container Label Before Using This Product

[The registrant may use one of these optional statements.

**NOTICE TO BUYER**



