

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



SEP 26 2012

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Mr Walter G Talarek
W Neudorff GmBHKG
c/o Walter G Talarek PC 1008 Riva Ridge Drive
Great Falls, VA 22066-1620

Subject Amended Reregistration Label
Product Name NEU1161
EPA Registration Number 67702-5
EPA Decision Number(s) D411777

Dear Mr Talarek

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the reregistration of the above referenced product in connection with the Pyrethrins RED(s), and has concluded that your submission is acceptable

NOTE This product is not being reregistered under sections 3(c)5 and 4(g) of FIFRA at this time

Please note that the record for this product currently contains the Confidential Statements of Formulation (CSFs) listed below Any previously dated CSFs are superseded

- Basic CSF, dated [January 31, 2003]
- Alternate CSF #1, dated [January 31, 2003]
- Alternate CSF #2, dated [January 31, 2003]
- Alternate CSF #3, dated [January 31, 2003]


A copy of your label stamped "Accepted" is enclosed along with copies of the acute toxicity and product chemistry reviews completed for the subject product Products shipped after 12 months from the date of this amendment or the next printing of the label whichever occurs first, must bear the new revised label Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions If these conditions are not

complied with, the registration will be subject to cancellation in accordance with FIFRA sec 6(e)

If you have any questions about this letter, please contact Dani Daniel at (703)305-5409 or via e-mail at *daniel dani@epa.gov*

Sincerely,



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

Enclosures *Label stamped "Accepted," dated **SEP 26 2012***
Acute Toxicity Review, dated (September 19, 2011)
Product Chemistry Review, dated (July 5, 2012)

3/17

ACCEPTED
SEP 26 2012

Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended, for the
pesticide registered under

MASTER LABEL

NEU1161

EPA Reg No 67702-5

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]

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

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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

FIRST AID	
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing • Rinse skin immediately with plenty of water for 15-20 minutes • Call a poison control center or doctor for treatment advice
<p>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 seven days a week, 6:30 am to 4:30 pm Pacific Time (NPIC Web site www.npic.orst.edu) During other times call the poison control center 1-800-222-1222 [alternately insert subregistrants toll free number and hours of operation]</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 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

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

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 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
- Do not apply this product in a way that will contact adults children or pets either directly or through drift Remove pets birds and cover fish aquariums before spraying
- Do not make applications during rain
- Do not water the treated area to the point of run-off

Phytotoxicity Note 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

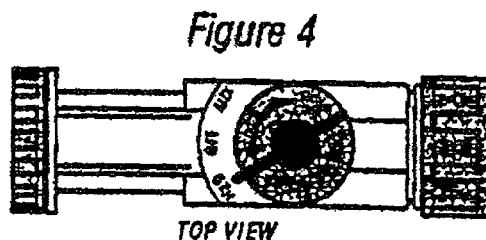
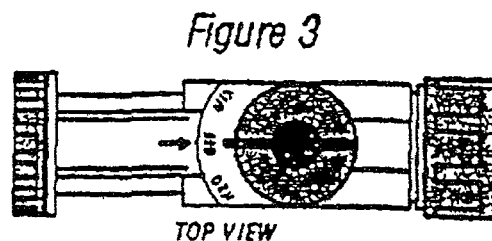
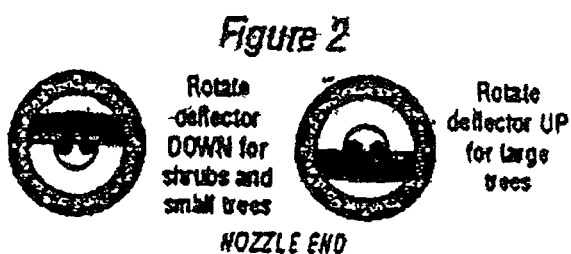
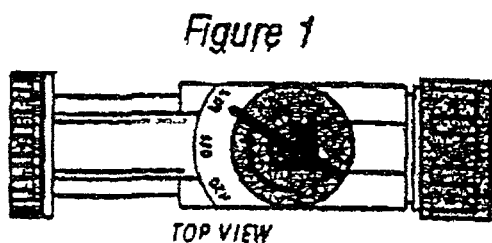
How to use hose-end sprayer

- 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 H₂O then OFF to drain the water from the hose (Fig 4)
- 4 Unscrew spray nozzle from hose Remove hose-end from container]

[Optional Figure

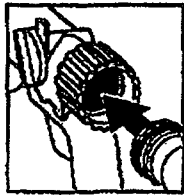


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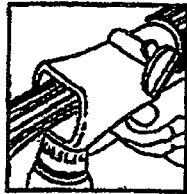
HOSE END SPRAYER INSTRUCTIONS

Shake before using.

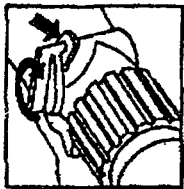
HOW TO USE



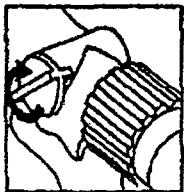
- 1 Attach garden hose to spray nozzle
2. Turn on water supply



- 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"

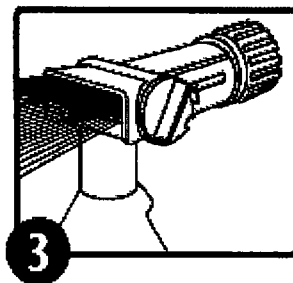
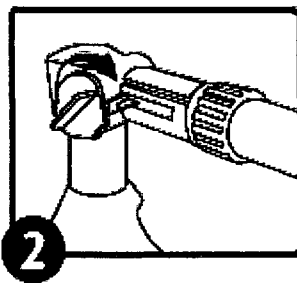
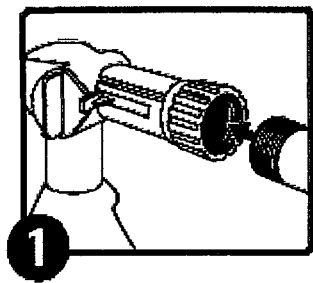


OR

- 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 H₂O 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	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]

KEEP OUT OF REACH OF CHILDREN

CAUTION

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

EPA Establishment No 67702-WG-1

FIRST AID	
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing • Rinse skin immediately with plenty of water for 15-20 minutes • Call a poison control center or doctor for treatment advice
<p>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 seven days a week, 6:30 am to 4:30 pm Pacific Time (NPIC Web site www.npic.orst.edu) During other times, call the poison control center 1-800-222-1222 [alternately insert subregistrants toll free number and hours of operation]</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 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
- 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

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 container sizes of 5 gallons or more add 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

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
- Do not make application during rain
- Do not apply this product in a way that will contact adults children or pets either directly or through drift Remove pets bird and cover fish aquariums before spraying
- Do not water the treated area to the point of run-off

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	Dormant pre-bloom and summer use 1% 65-130 gallons/acre 2% 65 gallons/acre

	scales spider mites	
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 2% 65 gallons/acre
Sugar beets	leafminer mites	1% 65-130 gallons/acre 2% 65 gallons/acre
Cotton	aphids mites whiteflies leafhoppers	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	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% 65-130 gallons/acre 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 1% 65-130 gallons/acre 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 1% 65-130 gallons/acre 2% 65 gallons/acre
Citrus	aphids citrus mealybug mites scales red black yellow & purple	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	aphids caterpillars mites plant bugs whiteflies	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	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% 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	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 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 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	aphids caterpillars grape phylloxera leafhoppers Lygus bugs mealybugs mites scales spittlebugs whiteflies	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	aphids caterpillars mites plant bugs whiteflies	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 (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

