

PLEASE NOTE

**This image contains more than one label
approved for this product on this date.**



70051-2

03/29/2005

1/16

Please read instructions on reverse before completing form.

Form Approved JMB No. 2070-0060, Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other Notification

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 70051-2	2. EPA Product Manager /Branch Chief Sheryl Reilly	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Neem Oil 70%	PM# Biochemical Pesticides Branch	
5. Name and Address of Applicant (Include ZIP Code) Certis USA, L.L.C. 9145 Guilford Road, Suite 175 Columbia, Maryland 21046 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	NOTIFICATION Date Reviewed: 29 March Reviewed By: M. Duggard
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Applied Date _____	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below _____	

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of revisions to Master label. Corrected error in directions for use on page 4 and updated corresponding table. Corrected discrepancy between use directions for Vegetable, Cereal Grains and Misc. Crops on page 12 and dilution table on page 7. Removed statement "Do not use Trilogy in nurseries, on turf, or landscape plantings". This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____	
If "Yes" Unit Packaging wgt. No. per container		If "Yes" Package wgt. No. per container			
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input checked="" type="checkbox"/> on container	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Christine A. Dively		Title Director of Regulatory Affairs	
		Telephone No. (Include Area Code) 301-83-3806	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)
2. Signature <i>Christine A. Dively</i>		3. Title Director of Regulatory Affairs	
4. Typed Name Christine A. Dively		5. Date <i>July 12, 2004</i>	

U.S.F.



Certis USA
9145 Guilford Road
Suite 175
Columbia, MD 21046

(301) 604-7340

FAX (301) 604-7015

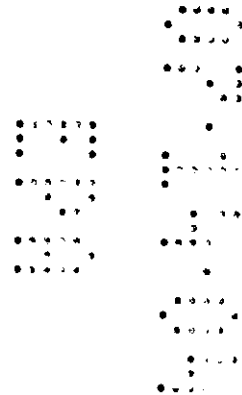
www.certisusa.com

5764378 / 332
MD 37

Assigned to
Mari Duggard 2/16
(332)
not (-)

July 9, 2004

Ms. Linda Hollis
Team Leader
Biochemical Pesticides Branch
Biopesticides & Pollution Prevention Division (7511C)
Office of Pesticide Programs
U.S. Environmental Protection Agency
1921 Jefferson Davis Hwy, Crystal Mall 2
Arlington, VA 22202



**RE: Notification of revisions to Master Label
Neem Oil 70%, EPA Reg. No. 70051-2**

Dear Ms. Hollis:

Certis USA, L.L.C. is respectfully submitting a Notification of revisions to the Master Label for Neem Oil 70%, EPA Reg. No. 70051-2. It has come to our attention that there are errors in the use directions for commercial outdoor applications on this label. The rate for outdoor applications is 1:100, as stated on page 4, under the "Landscape, Greenhouse and Nursery Ornamentals" paragraph. Additionally, under extreme outdoor conditions, the higher rate of 1:50 can be used as stated in the "Landscape Ornamentals" paragraph on page 4. However, the rate of 1:200 under the "Landscape Ornamentals" paragraph is an error. Therefore, we have corrected the range in this paragraph to read 1:50-1:100, and have updated the corresponding table on page 5.

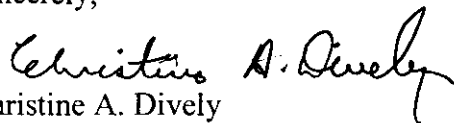
In addition, there is a discrepancy between language on the table on page 7 and the use directions for Vegetable, Cereal Grains and Miscellaneous crops on page 12. A caveat has been added to the table to refer the User to specific use directions for these crops. Lastly, the language "Do not use Trilogy in nurseries, on turf, or landscape plantings" has been removed as Certis intends to market Trilogy for these uses. Enclosed in support of this action are:

- 1) EPA form 8570-1
- 2) Revised label for Neem Oil 70% (mark-up and clean copy), NOTE: this label incorporates changes made to the Master Label by Notification submitted to the Agency on April 13, 2004.

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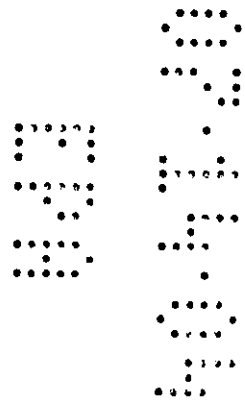
If you have any questions about this submission, please do not hesitate to contact me. I can be reached by telephone at (301)483-3806 or by email at cdively@certisusa.com.

Sincerely,



Christine A. Dively
Director of Regulatory Affairs

Enclosures



Date Reviewed: 29 March 2015

Reviewed By: MDuggard

MASTER LABEL

This master label bears directions for agricultural, commercial and homeowner use with various application rates specific to the associated container size.

The following Alternate Brand Names have been submitted to the Agency under this Master Label:
Trilogy, Triact 70EC, Trilogy PHC, Ferti-lome Rose, Flower & Vegetable Spray, Ferti-lome Triple Action Plus, Neem Concentrate, Garden Safe Fungicide 3 Concentrate

Neem Oil 70%**Fungicide/Miticide/Insecticide**
 **FOR ORGANIC PRODUCTION**


For Indoor/Outdoor Use on Ornamental Flowering Plants, Trees, Shrubs, Foliage, Vegetables, Fruits, Nuts, Agronomic Crops and Melons, and Row Crops Grown on Commercial Farms and Nurseries, Greenhouses, Landscapes and Homes and Residential Landscapes
Controls Fungal Diseases Including Black Spot, Mildews, Rusts, and Scab
Kills Mites and Insects Including Whiteflies, Aphids, and Scales
For Foliar Control of Fungal Diseases and Insect Pests

ACTIVE INGREDIENT:

Clarified Hydrophobic Extract of Neem Oil 70%

OTHER INGREDIENTS 30%**TOTAL** 100%

This product contains 5.46 lb of clarified hydrophobic extract of neem oil per US gallon.

This container will treat up to 0.5 acres when used at the highest application rate (only for containers less than 5 gallons).

KEEP OUT OF REACH OF CHILDREN
CAUTION

Net Contents: 2.5 gallons, 100 gallons

Lot No.:

EPA Reg. No. 70051-2

EPA Est. No. 70051-CA-001

Composition covered by US Patents 5,298,251; 5,356,629; 5,372,817; 5,405,612; and 5,409,708.

Manufactured by

Certis USA, L.L.C.

9145 Guilford Road, Suite 175

Columbia, MD 21046

CERTIS**PRECAUTIONARY STATEMENTS****HAZARDS TO HUMANS AND DOMESTIC ANIMALS****CAUTION**

Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

FIRST AID

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
Hot Line Number: 1-800-255-3924.

Personal Protective Equipment:

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride (PVC) or Viton.
- Shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS**Agricultural/Commercial Use**

This product is hazardous to fish and aquatic invertebrates.

For Terrestrial Uses: 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 disposing of equipment washwater or rinsate.

Homeowner Use

Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate.

BEE HAZARD

This product is toxic to bees exposed to direct treatment. Do not apply this product while bees are actively visiting the treatment area.

PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

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DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

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

General Information:

- Kills eggs, larvae, and adult insects.
- Prevents and controls black spot on roses, anthracnose, rust and powdery mildew.
- Kills insects and their eggs.
- Formulated for interiorscape use.
- Shake well before using.
- For best results, maintain constant agitation in spray equipment.
- For optimal performance, do not mix with cold water (less than 45°F).
- Use spray solutions within several hours of preparation for maximum effectiveness. Do not store diluted solution for later use.
- Do not apply to wilted or otherwise stressed plants, or to newly transplanted materials or crops prior to root establishment.
- Do not apply to known sensitive plant species, such as impatiens flowers, fuchsia flowers, hibiscus flowers, some rose flowers, ornamental olive trees, or some carnation varieties without prior testing.
- When used in conjunction with beneficial insects, conduct a small trial to assure compatibility before using on a large scale.
- As with other oil-based products, exercise care in timing applications to early morning/late evening to minimize the potential for leaf burn.
- Use with care on plants with tender tissue. Check for leaf burn in small scale trials prior to use.
- Thorough coverage is necessary to provide good disease and mite control. Neem Oil 70% prevents fungal attack of plant tissue and contact activity to mite pressure on the plant. Avoid excessive runoff of spray material for maximum control.

Agricultural/Commercial Use

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. For any requirements specific to your State or Tribe, consult the agency 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), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

PPE required for early entry to 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
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride (PVC) or Viton.
- Shoes plus socks.

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.

Keep unprotected persons out of treated areas until sprays have dried.

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TANK MIXING: Neem Oil 70% has been found to be compatible with most commonly used fungicides, insecticides and fertilizers. Check physical compatibility first with other products before mixing by using a jar test. Using a quart jar, add the proportionate amounts of the products to 1 quart of water. After thoroughly mixing, let mixture stand for at least 5 minutes. Growers must tank mix combinations for phytotoxicity on a sample of plants prior to use. *Due to the wide variation in climatic conditions, cultural practices, and other factors, the User assumes full responsibility for any crop damage or other liability resulting from the use of Neem Oil 70% in a tank mix combination.* Avoid tank mixes with Morestan, Captan, Sulfur, Bravo/Echo, chlorothalonil or other chemically similar products as unpredictable results or leaf burn may occur.

COMMERCIAL USE

- Do not use Triact 70EC on food crops. (NOTE TO REVIEWER: Triact 70EC is not labeled for use on food crops)

GREENHOUSE, LANDSCAPE, AND NURSERY USE INSTRUCTIONS

FUNGICIDE USE

ORNAMENTAL DISEASE CONTROL

Neem Oil 70% is an effective fungicide for the prevention and control of various fungal diseases including black spot on roses, powdery mildew, downy mildew, anthracnose, rust, leaf spot, botrytis, needle rust, scab, flower, twig, and tip blight, and alternaria.

Landscape, Greenhouse and Nursery Ornamentals

Neem Oil 70% will provide broad spectrum control of many fungal diseases affecting ornamental flowering plants, trees, shrubs, and foliage when used at the rate of 1 gallon per 100-200 gallons of water, depending on the level of disease pressure. Use the lower rate (1:200) when spraying as a preventative in a greenhouse while the higher rate (1:100) is needed for outdoor applications. Determine the best rate for your particular situation.

Greenhouse

When Neem Oil 70% is used as a preventative, the lower rate (1:200) will provide adequate control for most greenhouse situations. If disease pressure is evident, use the higher rate (1:100). Make applications for disease prevention on a 7-14 day schedule depending on the anticipated severity of the disease pressure. To control existing disease, apply Neem Oil 70% on a 7-Day schedule until the disease pressure is eliminated. Use a 14-Day schedule to prevent disease pressure from returning. NOTE: Spray greenhouse roses only in a rotation program, which includes Neem Oil 70% once every 4 weeks.

Landscape Ornamentals

In outdoor landscape applications, apply Neem Oil 70% at rates of 1:50 - 1:100 rate (see table for detailed use rates). This will provide the necessary control under the extreme outdoor conditions. When using Neem Oil 70% as a preventative, make application on a 14-day schedule. If disease is present, use a 7-day application schedule to control the disease and prevent further damage from occurring.

MIXING INSTRUCTIONS

Add Neem Oil 70% to one-half (1/2) full tank under agitation containing water of 45°F or greater before filling to desired level. If water temperature is below 45°F, premix Neem Oil 70% at a 1:1 ratio with tepid water to ensure good emulsification. Then dilute to final volume. When combining with other products, such as wettable powder insecticides or fungicides, add these items first when the tank is approximately 1/3 full. Ensure that there is good agitation while mixing for complete emulsification. Maintain agitation during spray application. Do not use if this oil does not form a uniform, cloudy emulsion.

APPLICATION INSTRUCTIONS

Apply until plant surface is uniformly wet with minimal runoff at 25-40 psi with hand sprayer or 100-200 psi with power sprayer as a fine spray to both leaf surfaces. Avoid excessive application.

MANAGEMENT OF LANDSCAPE AND ORNAMENTAL DISEASES

SPRAY TARGET	CONCENTRATION	SPRAY INTERVAL	PRECAUTIONS
Potted Plants (Greenhouse)	1:100 - 1:200 (1.0% - 0.5%)	14 days	Trial first on open blooms
Flowering Bench Crops (Greenhouse)	1:100 - 1:200 (1.0% - 0.5%)	7 - 14 days	Trial first on open blooms - not suggested for cut roses
Outdoor Flowering Plants	1:50 - 1:100 (2.0% - 1.0%)	7 - 14 days	Do not spray impatiens flowers
Outdoor Woody Plants	1:50 - 1:100 (2.0% - 1.0%)	14 days	

MANAGEMENT OF TURF DISEASES

SPRAY TARGET	CONCENTRATION	SPRAY INTERVAL	PRECAUTIONS
Snow Mold	1:100 - 1:50 (1.0% - 2.0%)	14 days	In fall before first snow
Dollar Spot	1:100 - 1:200 (1.0% - 0.5%)	7 - 14 days	At first sign of disease
Brown Patch	1:100 - 1:200 (1.0% - 0.5%)	7 - 14 days	At first sign of disease

INSECTICIDE/MITICIDE USE

For use to control whiteflies, mealybugs, aphids, leafhoppers, mites and scales on ornamentals, trees, and shrubs in and around greenhouses, commercial nurseries and other commercial structures.

Use Neem Oil 70% at the rate of 1-2 gallons per 100 gallons of water. The low rate (1.0%) can be used when pest pressure is low. Use the high rate (2.0%) for high pest infestations or to control more troublesome pests, such as mites and scales. Determine the best rate for your particular situation.

Make sprays on a 7-14 day interval depending on the severity of the pest problem. Use the 7-day schedule until the pest population is reduced. Then use a 14-day interval for control.

AGRICULTURAL USE DIRECTIONS

- Neem Oil 70% is a broad spectrum fungicide of certain diseases and controls mites in citrus, deciduous fruits and nuts, vegetable crops, cereal grains, and other miscellaneous crops.
- Do not apply this product through any type of irrigation system.
- Do not use Neem Oil 70% after bloom on table grapes or following bunch closure on wine grapes. Do not use Neem Oil 70% after pit hardening on stone fruit.
- Use care when applying near streams, ponds, lakes, or other bodies of water. Do not apply Neem Oil 70% when weather conditions favor drift or when the likelihood of runoff is high.
- Thorough plant coverage is essential to obtain optimal levels of control.
- For insects and mites: For best results, apply Neem Oil 70% thoroughly before adult insects, mites, or eggs are present in large numbers.
- For Diseases: Apply Neem Oil 70% as a 1.0% solution in sufficient amounts of water to achieve complete

coverage of foliage. (See the following detailed directions per crop groupings). When used as a foliar fungicide, begin applications when conditions are favorable for disease but before infection. Apply Neem Oil 70% every 7-14 days until threat of disease is over. Use Neem Oil 70% in rotation with other fungicides to increase the spectrum of control.

- For Mites: For best results, apply Neem Oil 70% in sufficient amounts of water to achieve complete coverage. Neem Oil 70% is most effective when applied before mites or eggs are present in large numbers. (See the following detailed directions per crop groupings). Apply at a rate of 1.0-2.0% Neem Oil 70%. Reapply Neem Oil 70% every 7-21 days until pressure is over.
- For Insects: For best results, apply Neem Oil 70% at 1.0-2.0% in sufficient amounts of water to achieve complete coverage. Neem Oil 70% is most effective when applied before insects or eggs are present in large numbers. Repeat application based on pest pressure and field scouting for best results. Use the dilution tables to calculate dilution rates.
- Consult local agricultural extension service or experiment station for detailed information on timing of applications for the most effective control for your area.
- Apply Neem Oil 70% by conventional, low volume, and aerial application equipment.

APPLICATION INSTRUCTIONS

Ground Application: Apply Neem Oil 70% by ground application in a minimum of 25 gallons of water / acre.

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

Aerial Application: For those crops where aerial applications are indicated, apply a minimum of 5 gallons of water / acre unless otherwise specified. Avoid application under conditions when uniform coverage cannot be obtained or when excessive drift may occur. Do not apply directly to humans, animals or aquatic animals.

MIXING INSTRUCTIONS

Add Neem Oil 70% to one-half (1/2) full tank under agitation containing water of 45°F or greater before filling to desired level. If water temperature is below 45°F, premix Neem Oil 70% at a 1:1 ratio with tepid water to ensure good emulsification. Then dilute to final volume. When combining with other products, such as wettable powder insecticides or fungicides, add these items first when the tank is approximately 1/3 full. Ensure that there is good agitation while mixing for complete emulsification. Maintain agitation during spray application. Do not use if this oil does not form a uniform, cloudy emulsion.

DILUTION TABLE FOR LOW VOLUME (INCLUDING AERIAL) APPLICATIONS (5-30 gallons per acre)

Gallons of Water	NEEM OIL 70%	DILUTION
5	1 Quart*	5%
10	1 Quart*	2.5%
15	1 Quart*	1.67%
20	1 Quart*	1.25%
25	1 Quart*	1.0%
30	1 Quart*	0.83%

*For citrus, stone fruit, tropical fruit, pome fruit, and nuts, refer to specific application instructions.

**DILUTION TABLE FOR HIGH VOLUME APPLICATION
(25-250 gallons per acre)**

Gallons Water	Gallons of Neem Oil 70% for 0.5% Solution	Gallons of Neem Oil 70% for 1.0% Solution	Gallons of Neem Oil 70% for 1.5% Solution	Gallons of Neem Oil 70% for 2.0% Solution
25	Use 1.0% solution *	0.25 (32 fluid oz.)	0.375 (48 fluid oz.)	0.5 (64 fluid oz.)
50	0.25 (32 fluid oz.)	0.5 (64 fluid oz.)	0.75 (96 fluid oz.)	1.0
75	0.375 (48 fluid oz.)	0.75 (96 fluid oz.)	1.125	1.5
100	0.5	1.0	1.5	2.0
125	0.625 (80 fluid oz.)	1.25	1.875	2.5
150	0.75	1.5	2.25	3.0
175	0.875 (112 fluid oz.)	1.75	2.625	3.5
200	1.0	2.0	3.0	4.0
225	1.125	2.25	3.375	4.5
250	1.25	2.5	3.75	5.0

* For Vegetable, Cereal Grains, and Other Miscellaneous Crops, refer to specific use directions

CITRUS, POME (DECIDUOUS), STONE, TROPICAL FRUITS AND NUTS

Citrus

Use Neem Oil 70% on citrus to control diseases to include Anthracnose, Post-Bloom Fruit Drop, and Scab. Apply as a foliar application at the rate of 1.0% in 25-200 gallons of water for high volume applications or a minimum of 0.5 gallons Neem Oil 70% in a minimum of 5 gallons of water per acre for low volume applications. Do not apply more than 2.5 gallons of Neem Oil 70% per acre, per application. Reapply Neem Oil 70% every 7-14 days until threat of disease is over.

For control of Alternaria and Greasy Spot, apply Neem Oil 70% at a 1.0% solution in 25-125 gallons of water per acre in combination with Copper @ 2.0 lbs a.i. per acre (as found in EPA registered products such as Kocide® and Champ®) as a preventative disease spray tank mixture.

Use Neem Oil 70% on citrus to control mites at a rate of 1.0-2.0% in 25-200 gallons of water for high volume application or 0.5 gallon Neem Oil 70% in a minimum of 5 gallons of water per acre for low volume application. As a dormant oil spray, use Neem Oil 70% as a 2% solution or 1 quart Neem Oil 70% minimum per acre. Do not apply more than 5 gallons of Neem Oil 70% per acre, per application.

Stone and Tropical

FUNGICIDE USE: Apply Neem Oil 70% at a rate of 1.0% in 25-200 gallons of water for high volume applications or 0.5 gallons Neem Oil 70% in a minimum of 5 gallons of water per acre for low volume application. Reapply Neem Oil 70% every 7-14 days until threat of disease is over.

MITICIDE USE: Use Neem Oil 70% at first sign of pests or pest damage at the appropriate rate listed below as a foliar spray in sufficient water for thorough coverage. Repeat applications as needed for adequate control every 7-21 days. Apply a 1.0-2.0% solution of Neem Oil 70% for high volume application or a minimum of 1 quart Neem Oil 70% in a minimum of 5 gallons of water per acre for low volume application. Do not apply more than 5 gallons of Neem Oil 70% per acre, per application.

Do not use Neem Oil 70% after pit hardening on stone fruit.

Pome (Deciduous Fruits) and Nuts

FUNGICIDE USE: Apply Neem Oil 70% at a rate of 1.0% in 25-100 gallons of water per acre or 0.5 quarts Neem Oil 70% in a minimum of 5 gallons of water per acre for low volume application. Apply no more than 2.5 gallons Neem Oil 70% per acre in solution per application. Repeat applications every 7-14 days.

MITICIDE USE: Use Neem Oil 70% at a rate of 1.0-2.0% in 25-100 gallons of water per acre or 0.5 quarts Neem Oil 70% in a minimum of 5 gallons of water per acre for low volume application. Apply no more than 2 gallons of Neem Oil 70% per acre per solution. Apply at first sign of pests or pest damage. Repeat application as needed for adequate control every 7-21 days. Do not apply more than 5 gallons Neem Oil 70% per acre, per application.

Walnuts: Avoid spraying after husk split.

CITRUS, POME, STONE, AND TROPICAL FRUITS

Crops (including but not limited to)

Apples	Guavas	Oriental pears
Apricots	Jujubes	Pineapples
Avocados	Kiwifruit	Plantains
Bananas	Kumquats	Plums
Calamondin	Lemons	Chickasaw Plums
Cherries	Limes	Damson Plums
Barbados cherries	Loquats	Japanese Plums
Sour cherries	Lychee	Pomegranates
Sweet cherries	Mangoes	Prunes
Cherimoya	Mandarins	Pummelos
Citrus citron	Satsuma mandarins	Quinces
Citrus hybrids	Nectarines	Tangelos
Coconuts	Olives	Tangerines
Crabapples	Oranges	
Dates	Papayas	
Feijoa	Passion fruit	
Figs	Peaches	
Grapefruits	Pears	

PESTS

Aphids	Fruit flies	Calico scales
Apple grain aphids	Leafminers	Frosted scales
Black cherry aphids	Citrus leafminers	Lecanium scales
Green apple aphids	Mealybugs	San Jose scales
Leafcurl aphids	Mites	Whiteflies
Mealy plum aphids	Rust mites	Citrus whiteflies
Rosy apple aphids	Spider mites	Silverleaf whiteflies
Woolly aphids	Psyllids	Sweetpotato whiteflies
Citrus blackflies	Scales	

DISEASES

Anthracnose	Downy mildew	Shothole
Alternaria	Powdery mildew	
Post-bloom fruit drop	Scabs	
Mildews	Greasy spot	

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NUTS

Crops (including but not limited to)

Almonds	Chestnuts	Macadamia nuts
Beech nuts	Chinquapins	Pecans
Brazil nuts	Filberts	Pistachios
Butternuts	Hickory nuts	Walnuts
Cashews	Japanese horse chestnuts	

PESTS

Aphids	Rust mites	Lecanium scales
Woolly aphids	Spider mites	San Jose scales
Leafrollers	Scales	Weevils
Fruit tree leafrollers	Calico scales	Chestnut weevils
Mites	Frosted scales	

DISEASES

Leaf spot
Shothole

CUCURBITS

Refer to specific application instructions found directly below the heading **Agricultural Use Directions**.

Crops (including but not limited to)

Balsam pears (bitter melons)	Gherkins	Pumpkins
Cantaloupes	Gourds	Squashes
Casaba	Honey balls	Watermelons (incl. hybrids)
Chinese waxgourds	Melons (incl. hybrids)	Zucchini
Citron melons	Honeydew melons	
Crenshaw	Muskmelons	
Cucumbers	Persian melons	

PESTS

Leafcurl aphids	Aphids	Greenhouse whiteflies
Woolly aphids	Frosted scales	Silverleaf whiteflies
Leafminers	Lecanium scales	Sweetpotato whiteflies
Mites	San Jose scales	
Spider Mites	Scales	
Calico scales	Squash bugs	
	Whiteflies	

DISEASES

Mildews
Downy mildew
Powdery mildew

BULB, COLE AND LEAFY VEGETABLES

Refer to specific application instructions found directly below the heading **Agricultural Use Directions**.

Crops (including but not limited to)

Arugula	Chinese cabbage (Bok choy, Napa)	Chicory
Broccoli	Chinese mustard cabbage (Gai choy)	Red chicory
Broccoli raab	Cauliflower	Cilantro
Chinese broccoli (Gai lon)	Celery	Collards
Brussels sprouts	Celtuce	Corn salad
Cabbage (head & leaf)	Chervil	Cress

Watercress
Daikon
Endive
Fennel
Garlic
Greens
Collard greens
Mustard greens
Rape greens
Kale

Kohlrabi
Leek
Lettuce (head & leaf)
Low-bok
Onions
Orach
Parsley
Purslane
Raddichio
Rappini

Rhubarb
Shallots
Spinach
Chinese Spinach
(Amaranth, Tampala)
Swiss chard
Turnip tops

PESTS

Aphids
Woolly aphids
Leafminers
Mites

Rust Mites
Spider Mites
Whiteflies
Greenhouse whiteflies

Silverleaf whiteflies
Sweetpotato whiteflies

DISEASES

Alternaria
Botrytis
Mildews

Downy mildew
Powdery mildew
Rusts

White rust

LEGUME AND FRUITING VEGETABLES

Refer to specific application instructions found directly below the heading **Agricultural Use Directions**.

Crops (including but not limited to)

Beans
Broad beans
Calabaza
Chickpeas
Eggplants
Ground cherries

Guar
Lentils
Peas
Peanuts
Pepinos
Peppers

Pigeon peas
Snow peas
Soybeans
Tomatillos
Tomatoes

PESTS

Aphids
Woolly aphids
Beetles
Bean leaf beetles
Colorado Potato Beetles
Mexican bean beetles
Leafminers

Mites
Rust Mites
Spider Mites
Psyllids
Whiteflies
Greenhouse whiteflies
Silverleaf whiteflies

Sweetpotato whiteflies
Scales
Calico scales
Frosted scales
Lecanium scales
San Jose scales

DISEASES

Blight
Leaf blight
Mildews

Powdery mildew
Molds
Gray mold

Leaf spots
Rusts

ROOT AND TUBER VEGETABLES

Refer to specific application instructions found directly below the heading **Agricultural Use Directions**.

Crops (including but not limited to)

Artichokes
Beets
Cardone
Carrots
Cassava
Ginger
Ginseng
Horseradish

Parsnips
Potatoes
Sweet potatoes
Radishes
Rutabaga
Taro (Dasheen)
Turmeric
Turnips

Yams
Yam beans

PESTS

Aphids

Beetles

Colorado Potato Beetles

Mites
Rust Mites
Spider Mites
Psyllids
Scales

Calico scales
Frosted scales
Lecanium scales
San Jose scales
Whiteflies

Greenhouse whiteflies
Silverleaf whiteflies
Sweetpotato whiteflies

DISEASES

Blights
Mildews

Powdery mildew
Rusts

SMALL FRUITS AND BERRIES

Refer to specific application instructions found directly below the heading **Agricultural Use Directions**.

Crops (including but not limited to)

Blueberries
Boysenberries
Cranberries
Currants
Dewberries

Blackberries
Elderberries
Gooseberries
Grapes
Huckleberries
Loganberries

Olallie berries
Raspberries (black & red)
Strawberries
Youngberries

PESTS

Aphids
Woolly aphids
Leafrollers
Mites

Rust Mites
Spider Mites
Scales
Calico scales

Frosted scales
Lecanium scales
San Jose scales

DISEASES

Mildews
Downy mildew

Powdery mildew
Rots

Black rot

HERBS AND SPICES

Refer to specific application instructions found directly below the heading **Agricultural Use Directions**.

Crops (including but not limited to)

Anise
Balm
Basil
Borage
Camomile
Caraway
Catnip
Celery
Chives
Coriander

Cumin
Curry leaf
Dandelion
Dill
Fennel
Marigold
Marjoram
Mint
Nasturtium
Pennyroyal
Peppermint

Rosemary
Rue
Sage
Savory
Spearment
Sweet bay
Tarragon
Thyme
Wintergreen

PESTS

Aphids
Woolly aphids
Mites
Rust Mites

Spider Mites
Scales
Calico scales
Frosted scales

Lecanium scales
San Jose scales

DISEASES

Mildews

Powdery mildew

Leaf spot

VEGETABLE, CEREAL GRAINS AND OTHER MISCELLANEOUS CROPS**FUNGICIDE USE**

Apply Neem Oil 70% at a rate of 0.5%-1.0% in 25-100 gallons of water per acre or 2 pints Neem Oil 70% in a minimum of 5 gallons of water per acre for low volume applications. Repeat applications every 7-14 days. Apply no more than 2 gallons Neem Oil 70% per acre, per application. Larger plants will require higher amounts of water to obtain good coverage.

MITICIDE USE

Apply Neem Oil 70% at a rate of 0.5%-2.0% in 25-100 gallons of water per acre or 2 pints Neem Oil 70% in a minimum of 5 gallons of water per acre for low volume application. Apply no more than 2 gallons Neem Oil 70% per acre in solution per application. Apply in a solution of sufficient volume to achieve complete coverage of foliage. Reapply Neem Oil 70% every 7-21 days as needed for adequate control. Larger plants will require higher amounts of water to obtain good coverage.

Crops (including but not limited to)

Acerola	Sweet corn	Safflower
Alfalfa	Cotton	Seagrapes
Araacaga (Apio)	Hops	Sesame
Asparagus	Jicama	Sorghum
Barley	Jojoba	Soursup (Quanabanas)
Breadfruit	Kinep	Star apples
Buckwheat	Mushrooms	Sugarcane
Canola	Nispero	Sunflowers
Coffee	Oats	Tobacco
Coriander	Okra	Wheat
Corn	Quenepa	
Popcorn	Rice	

PESTS

Beetles	Thrips	Silverleaf whiteflies
Asparagus Beetles	Whiteflies	Sweetpotato whiteflies
Lygus bugs	Greenhouse whiteflies	

DISEASES

Rusts

STORAGE AND DISPOSAL

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

Pesticide Storage: Keep in original container. Store in a dry place, away from direct sunlight, feed, or foodstuffs. Keep container tightly sealed when not in use. Do not store below 40°F (4°C).

Agricultural/Commercial Use

Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on-site or at an approved waste disposal facility.

Agricultural/Commercial Use

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Homeowner

If empty: Do not reuse this container. Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

WARRANTY

Certis USA, L.L.C. warrants that the material contained herein conforms to the description on the label and is reasonably fit for the purposes referred to in the directions for use. Timing and method of application, weather, watering practices, nature of soil, the insect problem, condition of the crop, incompatibility with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of

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the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herein. NO OTHER EXPRESS OR IMPLIED WARRANTY OF THE FITNESS OR MERCHANTABILITY IS MADE.

Kocide® is a registered trademarks of Griffin L.L.C.
Champ® is a registered trademark of Agtrol Chemical Products.

HOMEOWNER USE DIRECTIONS

GENERAL INFORMATION

- Do not add adjuvants (spreaders, stickers, extenders, etc.) to Neem Oil 70%.
- Stops powdery mildew in 24 hours

FUNGICIDE USE: For use on FRUITS, NUTS, VEGETABLES, HERBS, SPICES, ROSES, HOUSEPLANTS, FLOWERS, TREES, and SHRUBS

APPLICATION INSTRUCTIONS:

Neem Oil 70% is an effective fungicide for the prevention and control of various fungal diseases including powdery mildew, black spot, downy mildew, anthracnose, rust, leaf spot, botrytis, needle rust, scab and flower, twig, tip blight, and alternaria. As a preventative, apply Neem Oil 70% on a 7 to 14 day schedule until the potential for disease development is no longer present. To control disease already present, apply Neem Oil 70% on a 7 day schedule until disease pressure is eliminated. Then continue spraying on a 14 day schedule to prevent the disease from reoccurring. To prevent rust leaf spot diseases, anthracnose and scab, begin applications at the first sign of spring budding. To prevent powdery mildew, apply in mid-summer or when disease is first detected. Continue applications until disease pressure no longer exists.

MIXING INSTRUCTIONS:

Mix Neem Oil 70% at the rate of 2 tablespoons (1 fluid ounce) per gallon of water. Thoroughly mix solution and spray all plant surfaces (including undersides of leaves) until completely wet. Frequently mix solution as you spray.

INSECTICIDE/MITICIDE USE: For use on FRUITS, NUTS, VEGETABLES, HERBS, SPICES, ROSES, HOUSEPLANTS, FLOWERS, TREES, and SHRUBS

APPLICATION INSTRUCTIONS:

Apply Neem Oil 70% at first sign of insects/mites. For control of aphids, spider mites, scale, whiteflies, beetles, leafrollers, and other insect pests. Neem Oil 70% is most effective when applied every 7 to 14 days. For heavy insect populations, spray on a 7 day schedule.

MIXING INSTRUCTIONS:

Mix Neem Oil 70% at the rate of 2 tablespoons (1 fluid ounce) per gallon of water. Thoroughly mix solution and spray all plant surfaces (including underside of leaves) until completely wet. Frequently mix solution as you spray.

Net Contents: 1 Quart (0.946 liters)

M062904 v3 c1n

NEXT

LABEL

70051-2

3-29-2005

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Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060, Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other Notification

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 70051-2	2. EPA Product Manager /Branch Chief Sheryl Reilly	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Trilogy (Neem Oil 70%)	PM# Biochemical Pesticides Branch	
5. Name and Address of Applicant (Include ZIP Code) Certis USA, L.L.C. 9145 Guilford Road, Suite 175 Columbia, Maryland 21046 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	NOTIFICATION Date Reviewed: <u>29MAY05</u> Reviewed By: <u>M. Duggan</u>
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below _____	

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification to add outdoor ornamental uses to the sub-label for Trilogy. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container		
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 2.5 gallons		5. Location of Label Directions <input checked="" type="checkbox"/> on container	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph Paper glued Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Christine A. Dively		Title Director of Regulatory Affairs		Telephone No. (Include Area Code) 301-483-3806	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped)
2. Signature <i>Christine A. Dively</i>		3. Title Director of Regulatory Affairs			
4. Typed Name Christine A. Dively		5. Date August 5, 2004			

CERTIS

Certis USA
9145 Guilford Road
Suite 175
Columbia, MD 21046

(301) 604-7340

FAX (301) 604-7015
www.certisusa.com

August 10, 2004

Ms. Linda Hollis
Team Leader
Biochemical Pesticides Branch
Biopesticides & Pollution Prevention Division (7511C)
Office of Pesticide Programs
U.S. Environmental Protection Agency
1921 Jefferson Davis Hwy, Crystal Mall 2
Arlington, VA 22202

RE: Notification of revised sub-label for Trilogy, EPA Reg. No. 70051-2

Dear Ms. Hollis:

Certis USA, L.L.C. is respectfully submitting a Notification to revise the product label for Trilogy, a sub-label sold under the Master Label for Neem Oil 70%, EPA Reg. No. 70051-2. The purpose of this submission is to add outdoor ornamental uses to the label for Trilogy. These uses are already approved on the EPA Master Label and also appear on the Triact 70EC (commercial, ornamental use) sub-label, which is sold under the same EPA Registration Number. Although BPPD does not require the submission of supplemental label changes with language previously approved on the Master label, we are submitting the Trilogy label to update BPPD's files. Also, Trilogy is the product that is actually sold in the U.S. In addition, we have corrected a minor error found in the User Safety Recommendations box on the EPA stamped Master label, and incorporated the correction into the Trilogy label. The following documents are enclosed in support of this action:

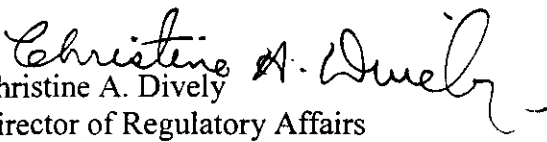
- 1) EPA form 8570-1
- 2) Revised label for Trilogy, NOTE: this label includes changes that have been made to the Master Label and submitted to the Agency by Notification.
- 3) Copy of EPA stamped Master Label for Neem Oil 70% and Notification sent July 13, 2004.

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- 4) Revised label for Neem Oil 70% with minor correction to User Safety Recommendations Box, NOTE: this label also includes changes that have been made previously by Notification.

If you have any questions about this submission, please do not hesitate to contact me. I can be reached by telephone at (301)483-3806 or by email at cdively@certisusa.com.

Sincerely,


Christine A. Dively
Director of Regulatory Affairs

Enclosures

NOTIFICATION

Date Reviewed: 29 Mar 05

Reviewed By: M. Duggard

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Trilogy®

FUNGICIDE/MITICIDE/INSECTICIDE

For use on vegetables, fruits, nuts, melons, outdoor ornamental plants and agronomic crops
For foliar control of fungal disease and insect pests

 FOR ORGANIC PRODUCTION



ACTIVE INGREDIENT:

Clarified Hydrophobic Extract of Neem Oil.....70%

OTHER INGREDIENTS.....30%

TOTAL.....100%

This product contains 5.46 lb of clarified hydrophobic extract of neem oil per US gallon.

This container will treat up to 0.5 acres when used at the highest application rate (only for containers less than 5 gallons).

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

EPA Reg. No. 70051-2

EPA Est. No. 70051-CA-001

Composition covered by US Patents 5,298,251; 5,356,629; 5,372,817; 5,405,612; and 5,409,708.

Manufactured by
Certis USA, L.L.C.
9145 Guilford Road, Suite 175
Columbia, MD 21046

CERTIS

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

FIRST AID

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

Hot Line Number: 1-800-255-3924.

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Personal Protective Equipment:

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinylchloride (PVC) or Viton.
- Shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is hazardous to fish and aquatic invertebrates.

For Terrestrial Uses: 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 disposing of equipment washwater or rinsate.

BEE HAZARD

This product is toxic to bees exposed to direct treatment. Do not apply this product while bees are actively visiting the treatment area.

PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE**IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.**

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

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. For any requirements specific to your State or Tribe, consult the agency 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), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

PPE required for early entry to 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
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinylchloride (PVC) or Viton.
- Shoes plus socks.

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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.

Keep unprotected persons out of treated areas until sprays have dried.

GENERAL INFORMATION:

- Thorough coverage is necessary to provide good disease and mite control. Trilogy® prevents fungal attack of plant tissue and contact activity to mite pressure on the plant. Avoid excessive runoff of spray material for maximum control.
- For best results, maintain constant agitation in spray equipment.
- For optimal performance, do not mix with cold water (less than 45°F).
- Do not apply to wilted or otherwise stressed plants, or to newly transplanted materials or crops prior to root establishment.
- Do not apply to known sensitive plant species, such as impatiens flowers, fuchsia flowers, hibiscus flowers, some rose flowers, ornamental olive trees, or some carnation varieties without prior testing.
- When used in conjunction with beneficial insects, conduct a small trial to assure compatibility before using on a large scale.
- As with other oil-based products, exercise care in timing applications to early morning/late evening to minimize the potential for leaf burn.
- Use with care on plants with tender tissue. Check for leaf burn in small scale trials prior to use.

LANDSCAPE AND NURSERY USE INSTRUCTIONS

FUNGICIDE USE

ORNAMENTAL DISEASE CONTROL

Trilogy® is an effective fungicide for the prevention and control of various fungal diseases including black spot on roses, powdery mildew, downy mildew, anthracnose, rust, leaf spot, botrytis, needle rust, scab, flower, twig, and tip blight, and alternaria.

Landscape and Nursery Ornamentals

Trilogy® will provide broad spectrum control of many fungal diseases affecting ornamental flowering plants, trees, shrubs, and foliage when used at the rate of 1 gallon per 100 gallons of water. Apply Trilogy at a rate of 1:100 when spraying as a preventative for outdoor applications. Under extreme outdoor conditions, apply Trilogy at the 1:50 application rate (see table for detailed use rates). This will provide the necessary control under the extreme outdoor conditions. When using Trilogy® as a preventative, make application on a 14-day schedule. If disease is present, use a 7-day application schedule to control the disease and prevent further damage from occurring.

MIXING INSTRUCTIONS

Add Trilogy® to one-half (1/2) full tank under agitation containing water of 45°F or greater before filling to desired level. If water temperature is below 45°F, premix Trilogy® at a 1:1 ratio with tepid water to ensure good emulsification. Then dilute to final volume. When combining with other products, such as wettable powder insecticides or fungicides, add these items first when the tank is approximately 1/3 full. Ensure that there is good agitation while mixing for complete emulsification. Maintain agitation during spray application. Do not use if this oil does not form a uniform, cloudy emulsion.

APPLICATION INSTRUCTIONS

Apply until plant surface is uniformly wet with minimal runoff at 25-40 psi with hand sprayer or 100-200 psi with power sprayer as a fine spray to both leaf surfaces. Avoid excessive application.

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MANAGEMENT OF LANDSCAPE AND ORNAMENTAL DISEASES

SPRAY TARGET	CONCENTRATION	SPRAY INTERVAL	PRECAUTIONS
Outdoor Flowering Plants	1:50 - 1:100 (2.0% - 1.0%)	7 - 14 days	Do not spray impatiens flowers
Outdoor Woody Plants	1:50 - 1:100 (2.0% - 1.0%)	14 days	

INSECTICIDE/MITICIDE USE

For use to control whiteflies, mealybugs, aphids, leafhoppers, mites and scales on ornamentals, trees, and shrubs in and around commercial nurseries and other commercial structures.

Use Trilogy® at the rate of 1-2 gallons per 100 gallons of water. The low rate (1.0%) can be used when pest pressure is low. Use the high rate (2.0%) for high pest infestations or to control more troublesome pests, such as mites and scales. Determine the best rate for your particular situation.

Make sprays on a 7-14 day interval depending on the severity of the pest problem. Use the 7-day schedule until the pest population is reduced. Then use a 14-day interval for control.

AGRICULTURAL USE DIRECTIONS

Trilogy® is a broad spectrum fungicide of certain diseases and controls mites in citrus, deciduous fruits and nuts, vegetable crops, cereal grains, and other miscellaneous crops.

- Do not use Trilogy® after bloom on table grapes or following bunch closure on wine grapes. Do not use Trilogy® after pit hardening on stone fruit.
- Use care when applying near streams, ponds, lakes, or other bodies of water. Do not apply Trilogy® when weather conditions favor drift or when the likelihood of runoff is high.
- Apply Trilogy® by conventional, low volume, and aerial application equipment.

APPLICATION INSTRUCTIONS

Ground Application: Apply Trilogy® by ground application in a minimum of 25 gallons of water / acre.

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

Aerial Application: For those crops where aerial applications are indicated, apply a minimum of 5 gallons of water / acre unless otherwise specified. Avoid application under conditions when uniform coverage cannot be obtained or when excessive drift may occur. Do not apply directly to humans, animals or aquatic animals.

DILUTION TABLE FOR LOW VOLUME (INCLUDING AERIAL) APPLICATIONS (5-30 gallons per acre)

Gallons of Water	TRILOGY®	DILUTION
5	1 Quart*	5%
10	1 Quart*	2.5%
15	1 Quart*	1.67%
20	1 Quart*	1.25%
25	1 Quart*	1.0%
30	1 Quart*	0.83%

*For citrus, stone fruit, tropical fruit, pome fruit, and nuts, refer to specific application instructions.

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**DILUTION TABLE FOR HIGH VOLUME APPLICATION
(25-250 gallons per acre)**

Gallons Water	Gallons of Trilogy® for 0.5% Solution	Gallons of Trilogy® for 1.0% Solution	Gallons of Trilogy® for 1.5% Solution	Gallons of Trilogy® for 2.0% Solution
25	Use 1.0% solution *	0.25 (32 fluid oz.)	0.375 (48 fluid oz.)	0.5 (64 fluid oz.)
50	0.25 (32 fluid oz.)	0.5 (64 fluid oz.)	0.75 (96 fluid oz.)	1.0
75	0.375 (48 fluid oz.)	0.75 (96 fluid oz.)	1.125	1.5
100	0.5	1.0	1.5	2.0
125	0.625 (80 fluid oz.)	1.25	1.875	2.5
150	0.75	1.5	2.25	3.0
175	0.875 (112 fluid oz.)	1.75	2.625	3.5
200	1.0	2.0	3.0	4.0
225	1.125	2.25	3.375	4.5
250	1.25	2.5	3.75	5.0

* For Vegetable, Cereal Grains, and Other Miscellaneous Crops, refer to specific use directions

AGRICULTURAL USE DIRECTIONS (continued)

- For Diseases: Apply Trilogy® as a 1.0% solution in sufficient amounts of water to achieve complete coverage of foliage. (See the following detailed directions per crop groupings). When used as a foliar fungicide, begin applications when conditions are favorable for disease but before infection. Apply Trilogy® every 7-14 days until threat of disease is over. Use Trilogy® in rotation with other fungicides to increase the spectrum of control.
- For Mites: For best results, apply Trilogy® in sufficient amounts of water to achieve complete coverage. Trilogy® is most effective when applied before mites or eggs are present in large numbers. (See the following detailed directions per crop groupings). Apply at a rate of 1.0-2.0% Trilogy®. Reapply Trilogy® every 7-21 days until pressure is over.
- For Insects: For best results, apply Trilogy® at 1.0-2.0% in sufficient amounts of water to achieve complete coverage. Trilogy® is most effective when applied before insects or eggs are present in large numbers. Repeat application based on pest pressure and field scouting for best results. Use the dilution tables to calculate dilution rates.

MIXING INSTRUCTIONS

Add Trilogy® to one-half (1/2) full tank under agitation containing water of 45°F or greater before filling to desired level. If water temperature is below 45°F, premix Trilogy® at a 1:1 ratio with tepid water to ensure good emulsification. Then dilute to final volume. When combining with other products, such as wettable powder insecticides or fungicides, add these items first when the tank is approximately 1/3 full. Ensure that there is good agitation while mixing for complete emulsification. Maintain agitation during spray application. Do not use if this oil does not form a uniform, cloudy emulsion.

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TANK MIXING: Trilogy® has been found to be compatible with most commonly used fungicides, insecticides and fertilizers. Check physical compatibility first with other products before mixing by using a jar test. Using a quart jar, add the proportionate amounts of the products to 1 quart of water. After thoroughly mixing, let mixture stand for at least 5 minutes. Growers must tank mix combinations for phytotoxicity on a sample of plants prior to use. *Due to the wide variation in climatic conditions, cultural practices, and other factors, the User assumes full responsibility for any crop damage or other liability resulting from the use of Trilogy® in a tank mix combination.* Avoid tank mixes with Morestan, Captan, Sulfur, Bravo/Echo, chlorothalonil or other chemically similar products as unpredictable results or leaf burn may occur.

CITRUS

Use Trilogy® on citrus to control diseases to include Anthracnose, Post-Bloom Fruit Drop, and Scab. Apply as a foliar application at the rate of 1.0% in 25-200 gallons of water for high volume applications or a minimum of 0.5 gallons Trilogy® in a minimum of 5 gallons of water per acre for low volume applications. Do not apply more than 2.5 gallons of Trilogy® per acre, per application.

Reapply Trilogy® every 7-14 days until threat of disease is over.

For control of Alternaria and Greasy Spot, apply Trilogy® at a 1.0% solution in 25-125 gallons of water per acre in combination with Copper @ 2.0 lbs a.i. per acre (as found in EPA registered products such as Kocide® and Champ®) as a preventative disease spray tank mixture.

Use Trilogy® on citrus to control mites at a rate of 1.0-2.0% in 25-200 gallons of water for high volume application or 0.5 gallon Trilogy® in a minimum of 5 gallons of water per acre for low volume application. As a dormant oil spray, use Trilogy® as a 2% solution or 1 quart Trilogy® minimum per acre. Do not apply more than 5 gallons of Trilogy® per acre, per application.

STONE AND TROPICAL FRUITS

FUNGICIDE USE: Apply Trilogy® at a rate of 1.0% in 25-200 gallons of water for high volume applications or 0.5 gallons Trilogy® in a minimum of 5 gallons of water per acre for low volume application. Reapply Trilogy® every 7-14 days until threat of disease is over.

MITICIDE USE: Use Trilogy® at first sign of pests or pest damage at the appropriate rate listed below as a foliar spray in sufficient water for thorough coverage. Repeat applications as needed for adequate control every 7-21 days. Apply a 1.0-2.0% solution of Trilogy® for high volume application or a minimum of 1 quart Trilogy® in a minimum of 5 gallons of water per acre for low volume application. Do not apply more than 5 gallons of Trilogy® per acre, per application.

Do not use Trilogy® after pit hardening on stone fruit.

VEGETABLE, CEREAL GRAINS AND OTHER MISCELLANEOUS CROPS

FUNGICIDE USE

Apply Trilogy® at a rate of 0.5%-1.0% in 25-100 gallons of water per acre or 2 pints Trilogy® in a minimum of 5 gallons of water per acre for low volume applications. Repeat applications every 7-14 days. Apply no more than 2 gallons Trilogy® per acre, per application. Larger plants will require higher amounts of water to obtain good coverage.

MITICIDE USE

Apply Trilogy® at a rate of 0.5%-2.0% in 25-100 gallons of water per acre or 2 pints Trilogy® in a minimum of 5 gallons of water per acre for low volume application. Apply no more than 2 gallons Trilogy® per acre in solution per application. Apply in a solution of sufficient volume to achieve complete coverage of foliage. Reapply Trilogy® every 7-21 days as needed for adequate control. Larger plants will require higher amounts of water to obtain good coverage.

POME (DECIDUOUS FRUITS) AND NUTS

FUNGICIDE USE: Apply Trilogy® at a rate of 1.0% in 25-100 gallons of water per acre or 0.5 quarts Trilogy® in a minimum of 5 gallons of water per acre for low volume application. Apply no more than 2.5 gallons of Trilogy® per acre in solution per application. Repeat applications every 7-14 days.

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MITICIDE USE: Use Trilogy® at a rate of 1.0-2.0% in 25-100 gallons of water per acre or 0.5 quarts Trilogy® in a minimum of 5 gallons of water per acre for low volume application. Apply no more than 2 gallons of Trilogy® per acre per solution. Apply at first sign of pests or pest damage. Repeat application as needed for adequate control every 7-21 days. Do not apply more than 5 gallons Trilogy® per acre, per application.

Walnuts: Avoid spraying after husk split.

CITRUS, POME, STONE, AND TROPICAL FRUITS

Crops (including but not limited to)

Apples	Grapefruits	Peaches
Apricots	Guavas	Pears
Avocados	Jujubes	Oriental pears
Bananas	Kiwifruit	Pineapples
Calamondin	Kumquats	Plantains
Cherries	Lemons	Plums
Barbados cherries	Limes	Pomegranates
Sour cherries	Loquats	Prunes
Sweet cherries	Lychee	Pummelos
Cherimoya	Mangoes	Quinces
Citrus citron	Mandarins	Tangelos
Citrus hybrids	Satsuma mandarins	Tangerines
Coconuts	Nectarines	
Crabapples	Olives	
Dates	Oranges	
Feijoa	Papayas	
Figs	Passion fruit	

CUCURBITS

Refer to specific application instructions found directly below the heading **Agricultural Use Directions**.

Crops (including but not limited to)

Balsam pears (bitter melons)	Gherkins	Pumpkins
Cantaloupes	Gourds	Squashes
Casaba	Honey balls	Watermelons (incl. hybrids)
Chinese waxgourds	Melons (incl. hybrids)	Zucchini
Citron melons	Honeydew melons	
Crenshaw	Muskmelons	
Cucumbers	Persian melons	

SMALL FRUITS AND BERRIES

Refer to specific application instructions found directly below the heading **Agricultural Use Directions**.

Crops (including but not limited to)

Blackberries	Elderberries	Olallie berries
Blueberries	Gooseberries	Raspberries (black & red)
Boysenberries	Grapes	Strawberries
Cranberries	Huckleberries	Youngberries
Currants	Loganberries	
Dewberries		

NUTS

Crops (including but not limited to)

Almonds	Chestnuts	Macadamia nuts
Beech nuts	Chinquapins	Pecans
Brazil nuts	Filberts	Pistachios
Butternuts	Hickory nuts	Walnuts
Cashews	Japanese horse chestnuts	

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BULB, COLE AND LEAFY VEGETABLES

Refer to specific application instructions found directly below the heading **Agricultural Use Directions.**

Crops (including but not limited to)

Arugula	Corn salad	Onions
Broccoli	Cress	Orach
Broccoli raab	Watercress	Parsley
Chinese broccoli (Gai lon)	Daikon	Purslane
Brussels sprouts	Endive	Raddichio
Cabbage (head & leaf)	Fennel	Rappini
Chinese cabbage (Bok choy, Napa)	Garlic	Rhubarb
Chinese mustard cabbage (Gai choy)	Greens	Shallots
Cauliflower	Collard greens	Spinach
Celery	Mustard greens	Chinese Spinach
Celtuce	Rape greens	(Amaranth, Tampala)
Chervil	Kale	Swiss chard
Chicory	Kohlrabi	Turnip tops
Red chicory	Leek	
Cilantro	Lettuce (head & leaf)	
Collards	Low-bok	

LEGUME AND FRUITING VEGETABLES

Refer to specific application instructions found directly below the heading **Agricultural Use Directions.**

Crops (including but not limited to)

Beans	Guar	Pigeon peas
Broad beans	Lentils	Snow peas
Calabaza	Peas	Soybeans
Chickpeas	Peanuts	Tomatillos
Eggplants	Pepinos	Tomatoes
Ground cherries	Peppers	

ROOT AND TUBER VEGETABLES

Refer to specific application instructions found directly below the heading **Agricultural Use Directions.**

Crops (including but not limited to)

Artichokes	Horseradish	Turmeric
Beets	Parsnips	Turnips
Cardone	Potatoes	Yams
Carrots	Sweet potatoes	Yam beans
Cassava	Radishes	
Ginger	Rutabaga	
Ginseng	Taro (Dasheen)	

HERBS AND SPICES

Refer to specific application instructions found directly below the heading **Agricultural Use Directions.**

Crops (including but not limited to)

Anise	Cumin	Rosemary
Balm	Curry leaf	Rue
Basil	Dandelion	Sage
Borage	Dill	Savory
Camomile	Fennel	Spearmint
Caraway	Marigold	Sweet bay
Catnip	Marjoram	Tarragon
Celery	Mint	Thyme
Chives	Nasturtium	Wintergreen
Coriander	Pennyroyal	
	Peppermint	

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VEGETABLE, CEREAL GRAINS AND OTHER MISCELLANEOUS CROPS

Crops (including but not limited to)

Acerola	Sweet corn	Safflower
Alfalfa	Cotton	Seagrapes
Araacaga (Apio)	Hops	Sesame
Asparagus	Jicama	Sorghum
Barley	Jojoba	Soursup (Quanabanas)
Breadfruit	Kinep	Star apples
Buckwheat	Mushrooms	Sugarcane
Canola	Nispero	Sunflowers
Coffee	Oats	Tobacco
Coriander	Okra	Wheat
Corn	Quenepa	
Popcorn	Rice	

Pest Control	Suppression	Diseases	
Aphids	Whiteflies	Alternaria	Powdery mildew
Mealybugs	Thrips	Anthrachnose	Molds
Mites		Early blight	Scabs
Rust mites		Leaf blight	Rusts
Spider mites		Botrytis	Shothole
Scales (Soft scale)		Greasy spot	
		Leaf Spot	
		Downy mildew	
		Post-bloom fruit drop	

STORAGE AND DISPOSAL

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

Pesticide Storage: Keep in original container. Store in a dry place, away from direct sunlight, feed, or foodstuffs. Keep container tightly sealed when not in use. Do not store below 40°F (4°C).

Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on-site or at an approved waste disposal facility.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY

Certis USA, L.L.C. warrants that the material contained herein conforms to the description on the label and is reasonably fit for the purposes referred to in the directions for use. Timing and method of application, weather, watering practices, nature of soil, the insect problem, condition of the crop, incompatibility with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herein. NO OTHER EXPRESS OR IMPLIED WARRANTY OF THE FITNESS OR MERCHANTABILITY IS MADE.

Kocide® is a registered trademark of Griffin L.L.C.

Champ® is a registered trademark of Agtrol Chemical Products

M052405 V5

M080404

NEXT

LABEL



70051-2

3-29-2005

1/16

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other Notification

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 70051-2	2. EPA Product Manager /Branch Chief Sheryl Reilly	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Neem Oil 70%	PM# Biochemical Pesticides Branch	
5. Name and Address of Applicant (Include ZIP Code) Certis USA, L.L.C. 9145 Guilford Road, Suite 175 Columbia, Maryland 21046 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application. NOTIFICATION
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below. Date Reviewed: <u>29 March</u>

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Reviewed By: MDuggard

Notification of minor changes to the label.

Certis USA has identified this action as a Notification, not subject to fees under PRIA.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	
				<input type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 2.5 gallons, 100 gallons, 20 fl. oz.		5. Location of Label Directions <input checked="" type="checkbox"/> on container	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Christine A. Dively	Title Director of Regulatory Affairs	Telephone No. (Include Area Code) 301-483-3806
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature <u>Christine A. Dively</u>	3. Title Director of Regulatory Affairs	
4. Typed Name Christine A. Dively	5. Date <u>October 18, 2004</u>	

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CERTIS

2/16
Certis USA
9145 Guilford Road
Suite 175
Columbia, MD 21046
(301) 604-7340
FAX (301) 604 7015
www.certisusa.com

October 20, 2004

Ms. Linda Hollis
Team Leader
Biochemical Pesticides Branch
Biopesticides & Pollution Prevention Division (7511C)
Office of Pesticide Programs
U.S. Environmental Protection Agency
1921 Jefferson Davis Hwy, Crystal Mall 2
Arlington, VA 22202

**RE: Notification of revised Master label for Neem Oil 70%, EPA Reg. No. 70051-2
Not subject to Pesticide Registration Improvement Act (PRIA) fees**

Dear Ms. Hollis:

Certis USA, L.L.C. is respectfully submitting a Notification of minor revisions to the label for Neem Oil 70%, EPA Reg. No. 70051-2. The following information is submitted to support this Notification:

- Completed EPA Form 8570-1
- Two (2) revised labels (including one with highlighted changes). NOTE: The enclosed label also includes changes that have been previously submitted to the Agency by Notification.

Labeling revisions include the following:

- Added the phrase "Can be used up to day of harvest" to be consistent with other approved labeling for products containing neem oil as the active ingredient (Trilogy XL, EPA Reg. No. 70051-75 and Trilogy XL RTU, EPA Reg. No. 70051-74) and to clarify for the user that there is no preharvest interval (PHI) requirement.
- Added the language "For Organic Gardening" to be used on the homeowner sub label. This product was approved for NOP compliance, per PR Notice 2003-1 on February 6, 2004 and the additional language is more appropriate for homeowner use.
- Corrected a typo under the PPE requirements.
- Removed first bullet in User Safety Recommendations box. The Precautionary Statements on the label (per the 3rd Edition of the Label Review Manual) now include this language, therefore, it is redundant and has been removed from the User Safety Recommendations.

3/16.

- Removed non-Agricultural Use Requirements box. It is our understanding that this language applies only to non-WPS uses on the label (occupational uses) and since the homeowner uses are not within the scope of WPS, the non-Agricultural Use Box is not required on the Master Label.
- Removed 2nd bullet in Agricultural Use Directions "Do not apply this product through any type of irrigation system" as the statement also appears under "Chemigation".
- Added the heading "Pesticide and Container Disposal" to the homeowner disposal statements, per PR Notice 2001-6 and the Label Review Manual.
- Corrected a minor typo in the Homeowner Use Directions.
- Updated alternate brand names on the top of the first page of the label. Please note that the presence of this language on the label requires Certis to submit a label Notification anytime an alternate brand name is added or deleted. It is our understanding that this language is not required, therefore, we would like to remove it from the label. However, we would like confirmation from the Agency that it can be removed at the next label update.

If you have any questions about this submission, please do not hesitate to contact me. I can be reached by telephone at (301)483-3806 or by email at cdively@certisusa.com.

Sincerely,

Christine A. Dively
Christine A. Dively
Director of Regulatory Affairs

Enclosures

Date Reviewed: 29 Mar 05

Reviewed By: M. Duggard

MASTER LABEL

This master label bears directions for agricultural, commercial and homeowner use with various application rates specific to the associated container size.

The following Alternate Brand Names have been submitted to the Agency under this Master Label:

Trilogy, Triact 70EC, Trilogy PHC, Ferti-lome Rose, Flower & Vegetable Spray, Ferti-lome Triple Action Plus, Garden Safe Fungicide 3 Concentrate, UltraStop Fruit Tree 3-in-3 Concentrate, Concern from the Earth For the Earth Garden Defense Multi-Purpose Spray Concentrate

Neem Oil 70%**Fungicide/Miticide/Insecticide**

● FOR ORGANIC PRODUCTION

● FOR ORGANIC GARDENING



For Indoor/Outdoor Use on Ornamental Flowering Plants, Trees, Shrubs, Foliage, Vegetables, Fruits, Nuts, Agronomic Crops and Melons, and Row Crops Grown on Commercial Farms and Nurseries, Greenhouses, Landscapes and Homes and Residential Landscapes

Controls Fungal Diseases Including Black Spot, Mildews, Rusts, and Scab

Kills Mites and Insects Including Whiteflies, Aphids, and Scales

For Foliar Control of Fungal Diseases and Insect Pests

Can be Used Up to Day of Harvest

ACTIVE INGREDIENT:

Clarified Hydrophobic Extract of Neem Oil 70%

OTHER INGREDIENTS 30%

TOTAL 100%

This product contains 5.46 lb of clarified hydrophobic extract of neem oil per US gallon.

This container will treat up to 0.5 acres when used at the highest application rate (only for containers less than 5 gallons).

KEEP OUT OF REACH OF CHILDREN
CAUTION

Net Contents: 2.5 gallons, 100 gallons

Lot No.:

EPA Reg. No. 70051-2

EPA Est. No. 70051-CA-001

Composition covered by US Patents 5,298,251; 5,356,629; 5,372,817; 5,405,612; and 5,409,708.

Manufactured by

Certis USA, L.L.C.

9145 Guilford Road, Suite 175

Columbia, MD 21046

CERTIS

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

FIRST AID

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. Hot Line Number: 1-800-255-3924.

Personal Protective Equipment:

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride (PVC) or Viton.
- Shoes plus socks.

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations:

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Agricultural/Commercial Use

This product is hazardous to fish and aquatic invertebrates.

For Terrestrial Uses: 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 disposing of equipment washwater or rinsate.

Homeowner Use

Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate.

BEE HAZARD

This product is toxic to bees exposed to direct treatment. Do not apply this product while bees are actively visiting the treatment area.

PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

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DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

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

General Information:

- Kills eggs, larvae, and adult insects.
- Prevents and controls black spot on roses, anthracnose, rust and powdery mildew.
- Kills insects and their eggs.
- Formulated for interiorscape use.
- Shake well before using.
- For best results, maintain constant agitation in spray equipment.
- For optimal performance, do not mix with cold water (less than 45°F).
- Use spray solutions within several hours of preparation for maximum effectiveness. Do not store diluted solution for later use.
- Do not apply to wilted or otherwise stressed plants, or to newly transplanted materials or crops prior to root establishment.
- Do not apply to known sensitive plant species, such as impatiens flowers, fuchsia flowers, hibiscus flowers, some rose flowers, ornamental olive trees, or some carnation varieties without prior testing.
- When used in conjunction with beneficial insects, conduct a small trial to assure compatibility before using on a large scale.
- As with other oil-based products, exercise care in timing applications to early morning/late evening to minimize the potential for leaf burn.
- Use with care on plants with tender tissue. Check for leaf burn in small scale trials prior to use.
- Thorough coverage is necessary to provide good disease and mite control. Neem Oil 70% prevents fungal attack of plant tissue and contact activity to mite pressure on the plant. Avoid excessive runoff of spray material for maximum control.

Agricultural/Commercial Use

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. For any requirements specific to your State or Tribe, consult the agency 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), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

PPE required for early entry to 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
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride (PVC) or Viton.
- Shoes plus socks.

TANK MIXING: Neem Oil 70% has been found to be compatible with most commonly used fungicides, insecticides and fertilizers. Check physical compatibility first with other products before mixing by using a jar test. Using a quart jar, add the proportionate amounts of the products to 1 quart of water. After thoroughly mixing, let mixture stand for at least 5 minutes. Growers must tank mix combinations for phytotoxicity on a sample of plants prior to use. *Due to the wide variation in climatic conditions, cultural practices, and other factors, the User assumes full responsibility for any crop damage or other liability resulting from the use of Neem Oil 70% in a tank mix combination.* Avoid tank mixes with Morestan, Captan, Sulfur, Bravo/Echo, chlorothalonil or other chemically similar products as unpredictable results or leaf burn may occur.

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COMMERCIAL USE

• Do not use Triact 70EC on food crops. (NOTE TO REVIEWER: Triact 70EC is not labeled for use on food crops)

GREENHOUSE, LANDSCAPE, AND NURSERY USE INSTRUCTIONS

FUNGICIDE USE

ORNAMENTAL DISEASE CONTROL

Neem Oil 70% is an effective fungicide for the prevention and control of various fungal diseases including black spot on roses, powdery mildew, downy mildew, anthracnose, rust, leaf spot, botrytis, needle rust, scab, flower, twig, and tip blight, and alternaria.

Landscape, Greenhouse and Nursery Ornamentals

Neem Oil 70% will provide broad spectrum control of many fungal diseases affecting ornamental flowering plants, trees, shrubs, and foliage when used at the rate of 1 gallon per 100-200 gallons of water, depending on the level of disease pressure. Use the lower rate (1:200) when spraying as a preventative in a greenhouse while the higher rate (1:100) is needed for outdoor applications. Determine the best rate for your particular situation.

Greenhouse

When Neem Oil 70% is used as a preventative, the lower rate (1:200) will provide adequate control for most greenhouse situations. If disease pressure is evident, use the higher rate (1:100). Make applications for disease prevention on a 7-14 day schedule depending on the anticipated severity of the disease pressure. To control existing disease, apply Neem Oil 70% on a 7-Day schedule until the disease pressure is eliminated. Use a 14-Day schedule to prevent disease pressure from returning. NOTE: Spray greenhouse roses only in a rotation program, which includes Neem Oil 70% once every 4 weeks.

Landscape Ornamentals

In outdoor landscape applications, apply Neem Oil 70% at rates of 1:50 - 1:100 rate (see table for detailed use rates). This will provide the necessary control under the extreme outdoor conditions. When using Neem Oil 70% as a preventative, make application on a 14-day schedule. If disease is present, use a 7-day application schedule to control the disease and prevent further damage from occurring.

MIXING INSTRUCTIONS

Add Neem Oil 70% to one-half (1/2) full tank under agitation containing water of 45°F or greater before filling to desired level. If water temperature is below 45°F, premix Neem Oil 70% at a 1:1 ratio with tepid water to ensure good emulsification. Then dilute to final volume. When combining with other products, such as wettable powder insecticides or fungicides, add these items first when the tank is approximately 1/3 full. Ensure that there is good agitation while mixing for complete emulsification. Maintain agitation during spray application. Do not use if this oil does not form a uniform, cloudy emulsion.

APPLICATION INSTRUCTIONS

Apply until plant surface is uniformly wet with minimal runoff at 25-40 psi with hand sprayer or 100-200 psi with power sprayer as a fine spray to both leaf surfaces. Avoid excessive application.

8/1/6

MANAGEMENT OF LANDSCAPE AND ORNAMENTAL DISEASES

SPRAY TARGET	CONCENTRATION	SPRAY INTERVAL	PRECAUTIONS
Potted Plants (Greenhouse)	1:100 - 1:200 (1.0% - 0.5%)	14 days	Trial first on open blooms
Flowering Bench Crops (Greenhouse)	1:100 - 1:200 (1.0% - 0.5%)	7 - 14 days	Trial first on open blooms - not suggested for cut roses
Outdoor Flowering Plants	1:50 - 1:100 (2.0% - 1.0%)	7 - 14 days	Do not spray impatiens flowers
Outdoor Woody Plants	1:50 - 1:100 (2.0% - 1.0%)	14 days	

MANAGEMENT OF TURF DISEASES

SPRAY TARGET	CONCENTRATION	SPRAY INTERVAL	PRECAUTIONS
Snow Mold	1:100 - 1:50 (1.0% - 2.0%)	14 days	In fall before first snow
Dollar Spot	1:100 - 1:200 (1.0% - 0.5%)	7 - 14 days	At first sign of disease
Brown Patch	1:100 - 1:200 (1.0% - 0.5%)	7 - 14 days	At first sign of disease

INSECTICIDE/MITICIDE USE

For use to control whiteflies, mealybugs, aphids, leafhoppers, mites and scales on ornamentals, trees, and shrubs in and around greenhouses, commercial nurseries and other commercial structures.

Use Neem Oil 70% at the rate of 1-2 gallons per 100 gallons of water. The low rate (1.0%) can be used when pest pressure is low. Use the high rate (2.0%) for high pest infestations or to control more troublesome pests, such as mites and scales. Determine the best rate for your particular situation.

Make sprays on a 7-14 day interval depending on the severity of the pest problem. Use the 7-day schedule until the pest population is reduced. Then use a 14-day interval for control.

AGRICULTURAL USE DIRECTIONS

- Neem Oil 70% is a broad spectrum fungicide of certain diseases and controls mites in citrus, deciduous fruits and nuts, vegetable crops, cereal grains, and other miscellaneous crops.
- Do not use Neem Oil 70% after bloom on table grapes or following bunch closure on wine grapes. Do not use Neem Oil 70% after pit hardening on stone fruit.
- Use care when applying near streams, ponds, lakes, or other bodies of water. Do not apply Neem Oil 70% when weather conditions favor drift or when the likelihood of runoff is high.
- Thorough plant coverage is essential to obtain optimal levels of control.
- For insects and mites: For best results, apply Neem Oil 70% thoroughly before adult insects, mites, or eggs are present in large numbers.
- For Diseases: Apply Neem Oil 70% as a 1.0% solution in sufficient amounts of water to achieve complete coverage of foliage. (See the following detailed directions per crop groupings). When used as a foliar fungicide, begin applications when conditions are favorable for disease but before infection. Apply Neem Oil

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70% every 7-14 days until threat of disease is over. Use Neem Oil 70% in rotation with other fungicides to increase the spectrum of control.

- For Mites: For best results, apply Neem Oil 70% in sufficient amounts of water to achieve complete coverage. Neem Oil 70% is most effective when applied before mites or eggs are present in large numbers. (See the following detailed directions per crop groupings). Apply at a rate of 1.0-2.0% Neem Oil 70%. Reapply Neem Oil 70% every 7-21 days until pressure is over.
- For Insects: For best results, apply Neem Oil 70% at 1.0-2.0% in sufficient amounts of water to achieve complete coverage. Neem Oil 70% is most effective when applied before insects or eggs are present in large numbers. Repeat application based on pest pressure and field scouting for best results. Use the dilution tables to calculate dilution rates.
- Consult local agricultural extension service or experiment station for detailed information on timing of applications for the most effective control for your area.
- Apply Neem Oil 70% by conventional, low volume, and aerial application equipment.

APPLICATION INSTRUCTIONS

Ground Application: Apply Neem Oil 70% by ground application in a minimum of 25 gallons of water / acre.

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

Aerial Application: For those crops where aerial applications are indicated, apply a minimum of 5 gallons of water / acre unless otherwise specified. Avoid application under conditions when uniform coverage cannot be obtained or when excessive drift may occur. Do not apply directly to humans, animals or aquatic animals.

MIXING INSTRUCTIONS

Add Neem Oil 70% to one-half (1/2) full tank under agitation containing water of 45°F or greater before filling to desired level. If water temperature is below 45°F, premix Neem Oil 70% at a 1:1 ratio with tepid water to ensure good emulsification. Then dilute to final volume. When combining with other products, such as wettable powder insecticides or fungicides, add these items first when the tank is approximately 1/3 full. Ensure that there is good agitation while mixing for complete emulsification. Maintain agitation during spray application. Do not use if this oil does not form a uniform, cloudy emulsion.

DILUTION TABLE FOR LOW VOLUME (INCLUDING AERIAL) APPLICATIONS (5-30 gallons per acre)

Gallons of Water	NEEM OIL 70%	DILUTION
5	1 Quart*	5%
10	1 Quart*	2.5%
15	1 Quart*	1.67%
20	1 Quart*	1.25%
25	1 Quart*	1.0%
30	1 Quart*	0.83%

*For citrus, stone fruit, tropical fruit, pome fruit, and nuts, refer to specific application instructions.

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**DILUTION TABLE FOR HIGH VOLUME APPLICATION
(25-250 gallons per acre)**

Gallons Water	Gallons of Neem Oil 70% for 0.5% Solution	Gallons of Neem Oil 70% for 1.0% Solution	Gallons of Neem Oil 70% for 1.5% Solution	Gallons of Neem Oil 70% for 2.0% Solution
25	Use 1.0% solution *	0.25 (32 fluid oz.)	0.375 (48 fluid oz.)	0.5 (64 fluid oz.)
50	0.25 (32 fluid oz.)	0.5 (64 fluid oz.)	0.75 (96 fluid oz.)	1.0
75	0.375 (48 fluid oz.)	0.75 (96 fluid oz.)	1.125	1.5
100	0.5	1.0	1.5	2.0
125	0.625 (80 fluid oz.)	1.25	1.875	2.5
150	0.75	1.5	2.25	3.0
175	0.875 (112 fluid oz.)	1.75	2.625	3.5
200	1.0	2.0	3.0	4.0
225	1.125	2.25	3.375	4.5
250	1.25	2.5	3.75	5.0

* For Vegetable, Cereal Grains, and Other Miscellaneous Crops, refer to specific use directions

CITRUS, POME (DECIDUOUS), STONE, TROPICAL FRUITS AND NUTS

Citrus

Use Neem Oil 70% on citrus to control diseases to include Anthracnose, Post-Bloom Fruit Drop, and Scab. Apply as a foliar application at the rate of 1.0% in 25-200 gallons of water for high volume applications or a minimum of 0.5 gallons Neem Oil 70% in a minimum of 5 gallons of water per acre for low volume applications. Do not apply more than 2.5 gallons of Neem Oil 70% per acre, per application. Reapply Neem Oil 70% every 7-14 days until threat of disease is over.

For control of Alternaria and Greasy Spot, apply Neem Oil 70% at a 1.0% solution in 25-125 gallons of water per acre in combination with Copper @ 2.0 lbs a.i. per acre (as found in EPA registered products such as Kocide® and Champ®) as a preventative disease spray tank mixture.

Use Neem Oil 70% on citrus to control mites at a rate of 1.0-2.0% in 25-200 gallons of water for high volume application or 0.5 gallon Neem Oil 70% in a minimum of 5 gallons of water per acre for low volume application. As a dormant oil spray, use Neem Oil 70% as a 2% solution or 1 quart Neem Oil 70% minimum per acre. Do not apply more than 5 gallons of Neem Oil 70% per acre, per application.

Stone and Tropical

FUNGICIDE USE: Apply Neem Oil 70% at a rate of 1.0% in 25-200 gallons of water for high volume applications or 0.5 gallons Neem Oil 70% in a minimum of 5 gallons of water per acre for low volume application. Reapply Neem Oil 70% every 7-14 days until threat of disease is over.

MITICIDE USE: Use Neem Oil 70% at first sign of pests or pest damage at the appropriate rate listed below as a foliar spray in sufficient water for thorough coverage. Repeat applications as needed for adequate control every 7-21 days. Apply a 1.0-2.0% solution of Neem Oil 70% for high volume application or a minimum of 1 quart Neem Oil 70% in a minimum of 5 gallons of water per acre for low volume application. Do not apply more than 5 gallons of Neem Oil 70% per acre, per application.

Do not use Neem Oil 70% after pit hardening on stone fruit.

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Pome (Deciduous Fruits) and Nuts

FUNGICIDE USE: Apply Neem Oil 70% at a rate of 1.0% in 25-100 gallons of water per acre or 0.5 quarts Neem Oil 70% in a minimum of 5 gallons of water per acre for low volume application. Apply no more than 2.5 gallons Neem Oil 70% per acre in solution per application. Repeat applications every 7-14 days.

MITICIDE USE: Use Neem Oil 70% at a rate of 1.0-2.0% in 25-100 gallons of water per acre or 0.5 quarts Neem Oil 70% in a minimum of 5 gallons of water per acre for low volume application. Apply no more than 2 gallons of Neem Oil 70% per acre per solution. Apply at first sign of pests or pest damage. Repeat application as needed for adequate control every 7-21 days. Do not apply more than 5 gallons Neem Oil 70% per acre, per application.

Walnuts: Avoid spraying after husk split.

CITRUS, POME, STONE, AND TROPICAL FRUITS

Crops (including but not limited to)

Apples	Guavas	Oriental pears
Apricots	Jujubes	Pineapples
Avocados	Kiwifruit	Plantains
Bananas	Kumquats	Plums
Calamondin	Lemons	Chickasaw Plums
Cherries	Limes	Damson Plums
Barbados cherries	Loquats	Japanese Plums
Sour cherries	Lychee	Pomegranates
Sweet cherries	Mangoes	Prunes
Cherimoya	Mandarins	Pummelos
Citrus citron	Satsuma mandarins	Quinces
Citrus hybrids	Nectarines	Tangelos
Coconuts	Olives	Tangerines
Crabapples	Oranges	
Dates	Papayas	
Feijoa	Passion fruit	
Figs	Peaches	
Grapefruits	Pears	

PESTS

Aphids	Fruit flies	Calico scales
Apple grain aphids	Leafminers	Frosted scales
Black cherry aphids	Citrus leafminers	Lecanium scales
Green apple aphids	Mealybugs	San Jose scales
Leafcurl aphids	Mites	Whiteflies
Mealy plum aphids	Rust mites	Citrus whiteflies
Rosy apple aphids	Spider mites	Silverleaf whiteflies
Woolly aphids	Psyllids	Sweetpotato whiteflies
Citrus blackflies	Scales	

DISEASES

Anthracnose	Downy mildew	Shothole
Alternaria	Powdery mildew	
Post-bloom fruit drop	Scabs	
Mildews	Greasy spot	

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NUTS

Crops (including but not limited to)

Almonds
Beech nuts
Brazil nuts
Butternuts
Cashews

Chestnuts
Chinquapins
Filberts
Hickory nuts
Japanese horse chestnuts

Macadamia nuts
Pecans
Pistachios
Walnuts

PESTS

Aphids
Woolly aphids
Leafrollers
Fruit tree leafrollers
Mites

Rust mites
Spider mites
Scales
Calico scales
Frosted scales

Lecanium scales
San Jose scales
Weevils
Chestnut weevils

DISEASES

Leaf spot
Shothole

CUCURBITS

Refer to specific application instructions found directly below the heading **Agricultural Use Directions.**

Crops (including but not limited to)

Balsam pears (bitter melons)
Cantaloupes
Casaba
Chinese waxgourds
Citron melons
Crenshaw
Cucumbers

Gherkins
Gourds
Honey balls
Melons (incl. hybrids)
Honeydew melons
Muskmelons
Persian melons

Pumpkins
Squashes
Watermelons (incl. hybrids)
Zucchini

PESTS

Leafcurl aphids
Woolly aphids
Leafminers
Mites
Spider Mites
Calico scales

Aphids
Frosted scales
Lecanium scales
San Jose scales
Scales
Squash bugs
Whiteflies

Greenhouse whiteflies
Silverleaf whiteflies
Sweetpotato whiteflies

DISEASES

Mildews
Downy mildew
Powdery mildew

BULB, COLE AND LEAFY VEGETABLES

Refer to specific application instructions found directly below the heading **Agricultural Use Directions.**

Crops (including but not limited to)

Arugula
Broccoli
Broccoli raab
Chinese broccoli (Gai lan)
Brussels sprouts
Cabbage (head & leaf)

Chinese cabbage (Bok choy, Napa)
Chinese mustard cabbage (Gai choy)
Cauliflower
Celery
Celtuce
Chervil

Chicory
Red chicory
Cilantro
Collards
Corn salad
Cress

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Watercress
Daikon
Endive
Fennel
Garlic
Greens
Collard greens
Mustard greens
Rape greens
Kale

Kohlrabi
Leek
Lettuce (head & leaf)
Low-bok
Onions
Orach
Parsley
Purslane
Raddichio
Rappini

Rhubarb
Shallots
Spinach
Chinese Spinach
(Amaranth, Tampala)
Swiss chard
Turnip tops

PESTS

Aphids
Woolly aphids
Leafminers
Mites

Rust Mites
Spider Mites
Whiteflies
Greenhouse whiteflies

Silverleaf whiteflies
Sweetpotato whiteflies

DISEASES

Alternaria
Botrytis
Mildews

Downy mildew
Powdery mildew
Rusts

White rust

LEGUME AND FRUITING VEGETABLES

Refer to specific application instructions found directly below the heading **Agricultural Use Directions**.

Crops (including but not limited to)

Beans
Broad beans
Calabaza
Chickpeas
Eggplants
Ground cherries

Guar
Lentils
Peas
Peanuts
Pepinos
Peppers

Pigeon peas
Snow peas
Soybeans
Tomatillos
Tomatoes

PESTS

Aphids
Woolly aphids
Beetles
Bean leaf beetles
Colorado Potato Beetles
Mexican bean beetles
Leafminers

Mites
Rust Mites
Spider Mites
Psyllids
Whiteflies
Greenhouse whiteflies
Silverleaf whiteflies

Sweetpotato whiteflies
Scales
Calico scales
Frosted scales
Lecanium scales
San Jose scales

DISEASES

Blight
Leaf blight
Mildews

Powdery mildew
Molds
Gray mold

Leaf spots
Rusts

ROOT AND TUBER VEGETABLES

Refer to specific application instructions found directly below the heading **Agricultural Use Directions**.

Crops (including but not limited to)

Artichokes
Beets
Cardone
Carrots
Cassava
Ginger
Ginseng
Horseradish

Parsnips
Potatoes
Sweet potatoes
Radishes
Rutabaga
Taro (Dasheen)
Turmeric
Turnips

Yams
Yam beans

PESTS

Aphids

Beetles

Colorado Potato Beetles

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Mites
Rust Mites
Spider Mites
Psyllids
Scales

Calico scales
Frosted scales
Lecanium scales
San Jose scales
Whiteflies

Greenhouse whiteflies
Silverleaf whiteflies
Sweetpotato whiteflies

DISEASES

Blights
Mildews

Powdery mildew
Rusts

SMALL FRUITS AND BERRIES

Refer to specific application instructions found directly below the heading **Agricultural Use Directions**.

Crops (including but not limited to)

Blueberries
Boysenberries
Cranberries
Currants
Dewberries

Blackberries
Elderberries
Gooseberries
Grapes
Huckleberries
Loganberries

Olallie berries
Raspberries (black & red)
Strawberries
Youngberries

PESTS

Aphids
Woolly aphids
Leafrollers
Mites

Rust Mites
Spider Mites
Scales
Calico scales

Frosted scales
Lecanium scales
San Jose scales

DISEASES

Mildews
Downy mildew

Powdery mildew
Rots

Black rot

HERBS AND SPICES

Refer to specific application instructions found directly below the heading **Agricultural Use Directions**.

Crops (including but not limited to)

Anise
Balm
Basil
Borage
Camomile
Caraway
Catnip
Celery
Chives
Coriander

Cumin
Curry leaf
Dandelion
Dill
Fennel
Marigold
Marjoram
Mint
Nasturtium
Pennyroyal
Peppermint

Rosemary
Rue
Sage
Savory
Spearment
Sweet bay
Tarragon
Thyme
Wintergreen

PESTS

Aphids
Woolly aphids
Mites
Rust Mites

Spider Mites
Scales
Calico scales
Frosted scales

Lecanium scales
San Jose scales

DISEASES

Mildews

Powdery mildew

Leaf spot

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VEGETABLE, CEREAL GRAINS AND OTHER MISCELLANEOUS CROPS**FUNGICIDE USE**

Apply Neem Oil 70% at a rate of 0.5%-1.0% in 25-100 gallons of water per acre or 2 pints Neem Oil 70% in a minimum of 5 gallons of water per acre for low volume applications. Repeat applications every 7-14 days. Apply no more than 2 gallons Neem Oil 70% per acre, per application. Larger plants will require higher amounts of water to obtain good coverage.

MITICIDE USE

Apply Neem Oil 70% at a rate of 0.5%-2.0% in 25-100 gallons of water per acre or 2 pints Neem Oil 70% in a minimum of 5 gallons of water per acre for low volume application. Apply no more than 2 gallons Neem Oil 70% per acre in solution per application. Apply in a solution of sufficient volume to achieve complete coverage of foliage. Reapply Neem Oil 70% every 7-21 days as needed for adequate control. Larger plants will require higher amounts of water to obtain good coverage.

Crops (including but not limited to)

Acerola	Sweet corn	Safflower
Alfalfa	Cotton	Seagrapes
Araacaga (Apio)	Hops	Sesame
Asparagus	Jicama	Sorghum
Barley	Jojoba	Soursup (Quanabanas)
Breadfruit	Kinep	Star apples
Buckwheat	Mushrooms	Sugarcane
Canola	Nispero	Sunflowers
Coffee	Oats	Tobacco
Coriander	Okra	Wheat
Corn	Quenepa	
Popcorn	Rice	

PESTS

Beetles	Thrips	Silverleaf whiteflies
Asparagus Beetles	Whiteflies	Sweetpotato whiteflies
Lygus bugs	Greenhouse whiteflies	

DISEASES

Rusts

STORAGE AND DISPOSAL

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

Pesticide Storage: Keep in original container. Store in a dry place, away from direct sunlight, feed, or foodstuffs. Keep container tightly sealed when not in use. Do not store below 40°F (4°C).

Agricultural/Commercial Use

Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on-site or at an approved waste disposal facility.

Agricultural/Commercial Use

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Homeowner**Pesticide and Container Disposal:**

If empty: Do not reuse this container. Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

WARRANTY

Certis USA, L.L.C. warrants that the material contained herein conforms to the description on the label and is reasonably fit for the purposes referred to in the directions for use. Timing and method of application, weather, watering practices, nature of soil, the insect problem, condition of the crop, incompatibility with other chemicals

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not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herein. NO OTHER EXPRESS OR IMPLIED WARRANTY OF THE FITNESS OR MERCHANTABILITY IS MADE.

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HOMEOWNER USE DIRECTIONS

GENERAL INFORMATION

- Do not add adjuvants (spreaders, stickers, extenders, etc.) to Neem Oil 70%.
- Stops powdery mildew in 24 hours

FUNGICIDE USE: For use on FRUITS, NUTS, VEGETABLES, HERBS, SPICES, ROSES, HOUSEPLANTS, FLOWERS, TREES, and SHRUBS

APPLICATION INSTRUCTIONS:

Neem Oil 70% is an effective fungicide for the prevention and control of various fungal diseases including powdery mildew, black spot, downy mildew, anthracnose, rust, leaf spot, botrytis, needle rust, scab and flower, twig and tip blight, and alternaria. As a preventative, apply Neem Oil 70% on a 7 to 14 day schedule until the potential for disease development is no longer present. To control disease already present, apply Neem Oil 70% on a 7 day schedule until disease pressure is eliminated. Then continue spraying on a 14 day schedule to prevent the disease from reoccurring. To prevent rust leaf spot diseases, anthracnose and scab, begin applications at the first sign of spring budding. To prevent powdery mildew, apply in mid-summer or when disease is first detected. Continue applications until disease pressure no longer exists.

MIXING INSTRUCTIONS:

Mix Neem Oil 70% at the rate of 2 tablespoons (1 fluid ounce) per gallon of water. Thoroughly mix solution and spray all plant surfaces (including undersides of leaves) until completely wet. Frequently mix solution as you spray.

INSECTICIDE/MITICIDE USE: For use on FRUITS, NUTS, VEGETABLES, HERBS, SPICES, ROSES, HOUSEPLANTS, FLOWERS, TREES, and SHRUBS

APPLICATION INSTRUCTIONS:

Apply Neem Oil 70% at first sign of insects/mites. For control of aphids, spider mites, scale, whiteflies, beetles, leafrollers, and other insect pests. Neem Oil 70% is most effective when applied every 7 to 14 days. For heavy insect populations, spray on a 7 day schedule.

MIXING INSTRUCTIONS:

Mix Neem Oil 70% at the rate of 2 tablespoons (1 fluid ounce) per gallon of water. Thoroughly mix solution and spray all plant surfaces (including underside of leaves) until completely wet. Frequently mix solution as you spray.

Net Contents: 1 Quart (0.946 liters)

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