



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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

April 21, 2021

Kimberly Hensley  
Senior Regulatory Specialist  
Agent for Sun Bio Naturals (India) Private Ltd.  
Environmental Solutions Group, LLC  
1415 L Street, Ste. 460  
Sacramento, CA 95814-3964

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment –Add  
Organic Use Statements.  
Product Name: Neem Oil  
EPA Registration Number: 93771-1  
Application Date: 09/2/2020  
OPP Submission Number: 1056576

Dear Ms. Hensley:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration

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OPP Submission No. 1056576

process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Sydnie Hetzel by phone at (703) 347-0220 or via email at [Hetzel.sydney@epa.gov](mailto:Hetzel.sydney@epa.gov).

Sincerely,



Andrew Bryceland, Team Leader  
Biochemical Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511P)  
Office of Pesticide Programs

Enclosure

*Master Label*

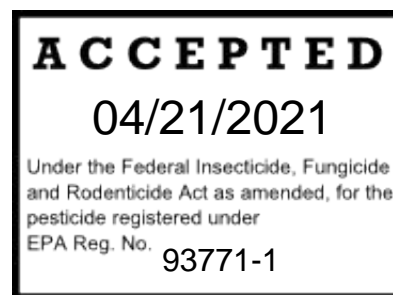
*[Bracketed information is optional]*

*Sublabel A – Agricultural use*

*Sublabel B – Non-agricultural use*

*Sublabel C – Residential use*

SUBLABEL A  
**Neem Oil**  
*Agricultural Use*



For foliar and soil treatment to control listed insect pests, mites, fungal disease and nematodes  
 [FOR ORGANIC PRODUCTION]

**ACTIVE INGREDIENT:**

Cold Pressed Filtered Neem Oil.....	100.00%
Other Ingredients: .....	0.00%
<b>TOTAL.....</b>	<b>100.00%</b>

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

<b>FIRST AID</b>	
If on skin or clothing	Remove contaminated clothing. Rinse skin immediately with plenty of water for about 15 minutes. Call a doctor or poison control center for treatment advice.
If in eyes	Hold eye open and rinse slowly and gently with water for about 15 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eyes. Call a doctor or poison control center for treatment advice.
If swallowed	Call a poison control center or doctor immediately for treatment. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless instructed to do so by a poison control center or doctor.
If inhaled	Move the person to fresh air. If person is not breathing, call 911 or an ambulance and then give artificial respiration, preferably mouth-to-mouth if possible. Call a doctor or poison control center for treatment advice.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergencies, call the poison control center 1-800-222-1222.	

**Manufactured by:**

Sun Bio Naturals (India) Private Limited  
 Environmental Solutions Group, LLC  
 1415 L Street, Suite 460  
 Sacramento, CA 95814  
 United States  
 916.443.2793  
 EPA Reg No.: 93771-1

EPA Est. No.: 93771-IND-1

Net Contents: 1 (5L), 2.6 (10L), & 5 (20L) gallon HDPE jerry cans, 53 gallon (200L) HDPE & steel barrels, & 264 gallon (1000L) paper totes  
 Lot or Batch No.:

## 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.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators, Mixers and other handlers must wear:

- Coveralls
- Socks, shoes, and
- Chemical resistant gloves

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

### ENVIRONMENTAL HAZARDS

This product is 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 wash water or rinsate.

### DIRECTIONS FOR USE

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

**READ ENTIRE LABEL BEFORE USE. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

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 Protections 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

**NON-AGRICULTURAL USE REQUIREMENTS**

These requirements apply to uses of this product that are NOT within the scope of the WPS 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. For other uses, including golf courses and other non-agricultural uses, do not enter treated areas without protective clothing until sprays have dried.

**GENERAL INFORMATION**

Neem Oil is cold pressed from the seeds of the Indian Neem tree. When Neem Oil is applied to the foliage and roots of plants and surface of growing areas, it will control fungal and insect pests.

Apply Neem Oil to any food crop up to and including the day of harvest, but must be diluted with water prior to use.

**MIXING**

To prepare a sprayable emulsion, mix Neem Oil with water and a surfactant. Maximum recommended use rate is ½ gallon (2 quarts) Neem Oil per acre. Use 6 oz. of surfactant per each 20 gallons of water used. Use between ½ to 1 quart Neem Oil per acre for normal use. Use the maximum rate for severe infestations.

## APPLICATION

SHAKE WELL BEFORE AND DURING USE. Keep mixture agitated during application to maintain consistency.

**FOLIAR SPRAY:** Spray the diluted solution generously on all leaf surfaces, including the undersides, prior to or at onset of pests. Neem Oil may be applied using any powered or manual pesticide application equipment including sprayers, electrostatic applicators and foggers. Follow the original manufacturer's instructions when using these types of equipment. When used as a foliar application, spray Neem Oil using a suitable high volume sprayer with adequate spray pressure to ensure complete and thorough coverage of the plant surfaces. Ensure that both the top and bottom of leaves are wetted. For optimum results, repeat the applications at intervals of 7-10 days or 1-2 weeks. Use higher rates and increase spray frequency when pest pressure is high.

Spray early in the morning or in the late afternoon/evening for best results. Repeat application if it rains within four hours of spraying.

Do not apply Neem Oil in direct sunlight. Always spot test plants first for sensitivity to sprays.

Neem Oil may solidify at cooler temperatures. Store above 65°F and below 95°F. If oil thickens, place bottle in hot water.

**SOIL DRENCH:** This solution can also be used to water the plants to control insects. When needed, soil drenches can be used to control soil borne pests and larvae of pests. When applied as a soil drench, avoid excessive run off. Neem Oil can also be applied through sub-surface soil treatment equipment. Always follow equipment manufacturer's use directions.

## USE RATES

Under normal pest pressure conditions prepare Neem Oil at a 0.5% dilution. (1 quart of Neem Oil in 50 gallons of water with about 6 oz. of surfactant [such as a mild liquid dish soap])

When pest pressure is high, use the maximum rate of 1.1% dilution of Neem Oil. (2 quarts Neem Oil in 40 gallons of water with 12 oz. of surfactant [such as a mild liquid dish soap])

## USES

Use Neem Oil on the following food crops:

Alfalfa, asparagus, avocado, beans, berries, birdseed, Brassica leafy greens/vegetables, bulb vegetables, cereal grains, citrus fruits, cole crops, coffee, corn, cucurbits, edible fungi, fruit, grapes, herbs & spices, kiwi, legumes, leafy & fruiting vegetables, figs, fruit & tree nut trees, oilseed plants, olive trees, palm trees, papayas, peanuts, persimmons, pineapple, pome & stone fruits, root & tuber vegetables, shrubs, stem & leaf petiole vegetables, tea, tropical & subtropical fruits

## PESTS

Use Neem Oil to control the following pests:

Aphids: Cotton aphids, Cowpea aphids, Mustard aphids, Okra aphids, Pea aphids, Rice aphids

Beetles: Brinjal (Egg Plant) Spotted Leaf Beetle, Chick pea beetle, Cow pea beetle, Colorado potato beetle, Cucumber beetle, Mexican Bean beetle, Radish Flea beetle, Red Pumpkin beetle, Spotted cucumber beetle, Soya bean Japanese beetle

Caterpillars & moths: Black headed caterpillar, Cabbage caterpillar, Ear cutting caterpillar, Tent caterpillar, Tobacco caterpillar, Yellow hairy caterpillar

Foliar fungus: Alternaria, Anthracnose, Blight, Botrytis, mildew, mold, scab, rust, sour rot on grapes

Soil fungus: Fusarium, Pythium, R. Solani

Leafhoppers & grasshoppers: Brown plant hopper, Carolina grasshopper, Leafhopper, Potato leafhopper, Rice brown plant hopper, Rice grasshopper, Rice green leafhoppers

Scale: California red scales, Yellow scales, Coffee green scales

Whiteflies: Cotton white fly, Sugar cane white fly, Banded wing white flies, citrus white flies

Worms: Armyworm, Webworm, Cabbageworm, Tomato hornworm, Field Wireworm

Including: flies, lace bugs, Squash vine borer, squash bugs, loopers, leafrollers, gnats, grubs, stink bugs, leafminers, plant bugs, psyllids, maggots, mealy bugs, midges, mites, nematodes, thrips, weevils, boxelder bugs, crickets, ants (except Carpenter, Harvester, Pharaoh & Fire), earwigs, and chinch bugs

## STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in original container in a cool, dark, dry, well-ventilated area. Avoid open storage. Do not use or store near heat or open flame.

**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:** Non-refillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying, then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

## LIMITED WARRANTY

To the extent permitted by applicable law, seller's and manufacturer's only obligation shall be to replace such quantity of the product proven to be defective. To the extent permitted by applicable law, neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or indirect, arising out of the use of this product.

*Master Label*

*[Bracketed information is optional]*

*Sublabel A – Agricultural use*

*Sublabel B – Non-agricultural use*

*Sublabel C – Residential use*

SUBLABEL B

# Neem Oil

*Non Agricultural Use*

A foliar and soil treatment to control insect pests, mites, fungal disease and nematodes  
 [FOR ORGANIC GARDENING]

ACTIVE INGREDIENT:

Cold Pressed Filtered Neem Oil .....	100.00%
Other Ingredients: .....	0.00%
<b>TOTAL .....</b>	<b>100.00%</b>

## KEEP OUT OF REACH OF CHILDREN CAUTION

<b>FIRST AID</b>	
If on skin or clothing	Remove contaminated clothing. Rinse skin immediately with plenty of water for about 15 minutes. Call a doctor or poison control center for treatment advice.
If in eyes	Hold eye open and rinse slowly and gently with water for about 15 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eyes. Call a doctor or poison control center for treatment advice.
If swallowed	Call a poison control center or doctor immediately for treatment. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless instructed to do so by a poison control center or doctor.
If inhaled	Move the person to fresh air. If person is not breathing, call 911 or an ambulance and then give artificial respiration, preferably mouth-to-mouth if possible. Call a doctor or poison control center for treatment advice.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergencies, call the poison control center 1-800-222-1222.	

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 EPA Reg No.: 93771-1

EPA Est. No.: 93771-IND-1

Net Contents: 1 (5L), 2.6 (10L), & 5 (20L) gallon HDPE jerry cans, 53 gallon (200L) HDPE & steel barrels, & 264 gallon (1000L) paper totes  
 Lot or Batch No.:



## **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.

### **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators, Mixers and other handlers must wear:

- Coveralls
- Socks, shoes, and
- Chemical resistant gloves

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

### **ENVIRONMENTAL HAZARDS**

This product is 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 wash water or rinsate.

### **DIRECTIONS FOR USE**

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

**READ ENTIRE LABEL BEFORE USE. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

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 Protections 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

**NON-AGRICULTURAL USE REQUIREMENTS**

These requirements apply to uses of this product that are NOT within the scope of the WPS 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. For other uses, including golf courses and other non-agricultural uses, do not enter treated areas without protective clothing until sprays have dried.

**GENERAL INFORMATION**

Neem Oil is cold pressed from the seeds of the Indian Neem tree. When Neem Oil is applied to the foliage and roots of plants and surface of growing areas, it will control fungal and insect pests.

Apply Neem Oil to any food or non-food crop up to and including the day of harvest, but must be diluted with water prior to use.

**MIXING**

To prepare a sprayable emulsion, mix Neem Oil with water and a surfactant (dish soap, etc.). For 1 quart of water – use 1 teaspoon (tsp.) of Neem Oil with 1/6 tsp. of soap. Shake well. Maximum recommended use rate, when pests are persistent, is 2 tsp. of Neem Oil in 1 quart of water with 1/3 tsp soap. Shake well.

**For trees only,** you can mix 4 tsp. Neem Oil in 1 quart of water with 2/3 tsp of soap. Mix well.

## APPLICATION

SHAKE WELL BEFORE AND DURING USE. Keep mixture agitated during application to maintain consistency.

**FOLIAR SPRAY:** Spray the diluted solution generously on all leaf surfaces, including the undersides, prior to or at onset of pests. When used as a foliar application, spray Neem Oil using a suitable high volume sprayer with adequate spray pressure to ensure complete and thorough coverage of the plant surfaces. Ensure that both the top and bottom of leaves are wetted. For optimum results, repeat the applications at intervals of 7-10 days or 2-4 weeks. Use higher rates and increase spray frequency when pest pressure is high.

Spray early in the morning or in the late afternoon/evening for best results. Repeat application if it rains within four hours of spraying.

Do not apply Neem Oil in direct sunlight. Always spot test plants first for sensitivity to sprays.

Neem Oil may solidify at cooler temperatures. Store above 65°F and below 95°F. If oil thickens, place bottle in hot water.

**SOIL DRENCH:** This solution can also be used to water the plants to control insects. When needed, soil drenches can be used to control soil borne pests and larvae of pests. When applied as a soil drench, avoid excessive run off. Neem Oil can also be applied through sub-surface soil treatment equipment. Always follow equipment manufacturer's use directions.

## USE RATES

Under normal pest pressure conditions prepare Neem Oil at a 0.5% dilution. (For 1 quart spray bottle – use 1 tsp. of Neem Oil with 1/6 tsp. of soap, add water to 1 quart. Shake well.)

When pest pressure is high, use the maximum rate of 1.0% dilution of Neem Oil. (4 tsp. in 1 quart of water with 2/3 tsp of soap. Mix well.) Shake well during use to maintain mixture.

## USES

Use Neem Oil on the following non-crop sites: nursery, greenhouse, and ornamentals, grass, lawns and around fencerows, birdseed plants, cotton, Japanese maples, palm trees, and shrubs.

## PESTS

Use Neem Oil to control the following pests:

Aphids: Cotton aphids, Cowpea aphids, Mustard aphids, Okra aphids, Pea aphids, Rice aphids

Beetles: Brinjal (Egg Plant) Spotted Leaf Beetle, Chick pea beetle, Cow pea beetle, Colorado potato beetle, Cucumber beetle, Mexican Bean beetle, Radish Flea beetle, Red Pumpkin beetle, Spotted cucumber beetle, Soya bean Japanese beetle

Caterpillars & moths: Black headed caterpillar, Cabbage caterpillar, Ear cutting caterpillar, Tent caterpillar, Tobacco caterpillar, Yellow hairy caterpillar

Foliar fungus: Alternaria, Anthracnose, Blight, Botrytis, mildew, mold, scab, rust, sour rot on grapes

Soil fungus: Fusarium, Pythium, R. Solani

Leafhoppers & grasshoppers: Brown plant hopper, Carolina grasshopper, Leafhopper, Potato leafhopper, Rice brown plant hopper, Rice grasshopper, Rice green leafhoppers

Scale: California red scales, Yellow scales, Coffee green scales

Whiteflies: Cotton white fly, Sugar cane white fly, Banded wing white flies, citrus white flies

Worms: Armyworm, Webworm, Cabbageworm, Tomato hornworm, Field Wireworm

Including: flies, lace bugs, Squash vine borer, squash bugs, loopers, leafrollers, gnats, grubs, stink bugs, leafminers, plant bugs, psyllids, maggots, mealy bugs, midges, mites, nematodes, thrips, weevils, boxelder bugs, crickets, ants (except Carpenter, Harvester, Pharaoh & Fire), earwigs, and chinch bugs

## STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in original container in a cool, dark, dry, well-ventilated area. Avoid open storage. Do not use or store near heat or open flame.

**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:** Non-refillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying, then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

## LIMITED WARRANTY

To the extent permitted by applicable law, seller's and manufacturer's only obligation shall be to replace such quantity of the product proven to be defective. To the extent permitted by applicable law, neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or indirect, arising out of the use of this product.

*Master Label*

*[Bracketed information is optional]*

*Sublabel A – Agricultural use*

*Sublabel B – Non-agricultural use*

*Sublabel C – Residential use*

SUBLABEL C

# Neem Oil

*Residential Use*

For use on flower beds, potted plants, vegetable gardens, lawn and fruit trees.

Can be used for indoor and outdoor container plants

[FOR ORGANIC GARDENING]

**ACTIVE INGREDIENT:**

Cold Pressed Filtered Neem Oil.....	100.00%
Other Ingredients: .....	<u>0.00%</u>
<b>TOTAL.....</b>	<b>100.00%</b>

## KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
If on skin or clothing	Remove contaminated clothing. Rinse skin immediately with plenty of water for about 15 minutes. Call a doctor or poison control center for treatment advice.
If in eyes	Hold eye open and rinse slowly and gently with water for about 15 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eyes. Call a doctor or poison control center for treatment advice.
If swallowed	Call a poison control center or doctor immediately for treatment. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless instructed to do so by a poison control center or doctor.
If inhaled	Move the person to fresh air. If person is not breathing, call 911 or an ambulance and then give artificial respiration, preferably mouth-to-mouth if possible. Call a doctor or poison control center for treatment advice.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergencies, call the poison control center 1-800-222-1222.	

**Manufactured by:**

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 Environmental Solutions Group, LLC  
 1415 L Street, Suite 460  
 Sacramento, CA 95814  
 United States  
 916.443.2793  
 EPA Reg No.: 93771-1

EPA Est. No.: 93771-IND-1

Net Contents: 0.2 – 1 quart (250 – 1000 ml) HDPE bottles  
 Lot or Batch No.:

## 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.

### 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 wash water or rinsate.

### DIRECTIONS FOR USE

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

**READ ENTIRE LABEL BEFORE USE. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

### GENERAL INFORMATION

Neem Oil is cold pressed from the seeds of the Indian Neem tree. When Neem Oil is applied to the foliage and roots of plants and surface of growing areas, it will control fungal and insect pests.

### MIXING

Neem Oil must be diluted with water prior to use. To prepare a sprayable emulsion, mix Neem Oil with water and a surfactant (dish soap, etc.). For 1 quart of water – use 1 teaspoon (tsp.) of Neem Oil with 1/6 tsp. of soap. Shake well. Maximum recommended use rate, when pests are persistent, is 2 tsp. of Neem Oil in 1 quart of water with 1/3 tsp soap. Shake well. For trees only, you can mix 4 tsp. Neem Oil in 1 quart of water with 2/3 tsp of soap. Mix well.

### APPLICATION

SHAKE WELL BEFORE AND DURING USE.

Keep mixture agitated during application to maintain consistency.

**FOLIAR SPRAY:** Spray the diluted solution generously on all leaf surfaces, including the undersides, prior to or at onset of pests. Ensure that both the top and bottom of leaves are wetted. For optimum results, repeat the applications at intervals of 7-10 days or 1-2 weeks. Use higher rates and increase spray frequency when pest pressure is high.

Do not apply Neem Oil in direct sunlight. Always spot test plants first for sensitivity to sprays.

Neem Oil may solidify at cooler temperatures. Store above 65°F and below 95°F. If oil thickens, place bottle in hot water.

**SOIL DRENCH:** This solution can also be used to water the plants to control insects. When needed, soil drenches can be used to control soil borne pests and larvae of pests. When applied as a soil drench, avoid excessive run off.

### USE RATES

Under normal pest pressure conditions, prepare Neem Oil at a 0.5% dilution. (For 1 quart spray bottle – use 1 tsp. of Neem Oil with 1/6 tsp. of soap, add water to 1 quart. Shake well.)

When pest pressure is high, use the maximum rate of 1.0% dilution of Neem Oil. (4 tsp. in 1 quart of water with 2/3 tsp of soap. Mix well.) Shake well during use to maintain mixture.

## USES

Neem Oil can be used on a variety of flowering & potted plants, vegetable gardens, lawn, ornamentals, and fruit trees as well as indoor and outdoor container gardening.

## PESTS

Use Neem Oil to control the following pests:

Aphids: Cotton aphids, Cowpea aphids, Mustard aphids, Okra aphids, Pea aphids, Rice aphids

Beetles: Brinjal (Egg Plant) Spotted Leaf Beetle, Chick pea beetle, Cow pea beetle, Colorado potato beetle, Cucumber beetle, Mexican Bean beetle, Radish Flea beetle, Red Pumpkin beetle, Spotted cucumber beetle, Soya bean Japanese beetle

Caterpillars & moths: Black headed caterpillar, Cabbage caterpillar, Ear cutting caterpillar, Tent caterpillar, Tobacco caterpillar, Yellow hairy caterpillar

Foliar fungus: Alternaria, Anthracnose, Blight, Botrytis, mildew, mold, scab, rust, sour rot on grapes

Soil fungus: Fusarium, Pythium, R. Solani

Leafhoppers & grasshoppers: Brown plant hopper, Carolina grasshopper, Leafhopper, Potato leafhopper, Rice brown plant hopper, Rice grasshopper, Rice green leafhoppers

Scale: California red scales, Yellow scales, Coffee green scales

Whiteflies: Cotton white fly, Sugar cane white fly, Banded wing white flies, citrus white flies

Worms: Armyworm, Webworm, Cabbageworm, Tomato hornworm, Field Wireworm

Including: flies, lace bugs, Squash vine borer, squash bugs, loopers, leafrollers, gnats, grubs, stink bugs, leafminers, plant bugs, psyllids, maggots, mealy bugs, midges, mites, nematodes, thrips, weevils, boxelder bugs, crickets, ants (except Carpenter, Harvester, Pharaoh & Fire), earwigs, and chinch bugs

## STORAGE AND DISPOSAL

**Pesticide Storage:** Keep in original container. Store away from direct sunlight, feed or foodstuffs. Keep container tightly sealed when not in use. Keep from freezing.

### **Pesticide Disposal and Container Handling:**

If empty: Non-refillable container. Do not reuse or refill 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.

*{-for containers greater than 5 gallons (may be required for bulk transport of product for repackaging)-}*

Non-refillable container. Do not reuse or refill this container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container  $\frac{1}{4}$  full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling, if available, 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.

## LIMITED WARRANTY

To the extent permitted by applicable law, seller's and manufacturer's only obligation shall be to replace such quantity of the product proven to be defective. To the extent permitted by applicable law, neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or indirect, arising out of the use of this product.