



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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

May 30, 2023

Lia Murty  
Consultant  
React Industries  
c/o Spring Regulatory Sciences  
6620 Cypresswood Dr, Suite 250  
Spring, TX 77379

Subject: Labeling Notification per Pesticide Registration Notice (PRN) 98-10 – Notification to Update Address and Company Number; Specification of Some Net Content Amounts  
Product Name: Pure Neem Oil  
EPA Registration Number: 101745-1  
Company: React Industries  
Application Date: 3/1/23  
Salesforce Case Number: 00438088

Dear Ms. Murty:

The U.S. Environmental Protection Agency (EPA) is in receipt of your application for notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Biopesticides and Pollution Prevention Division (BPPD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

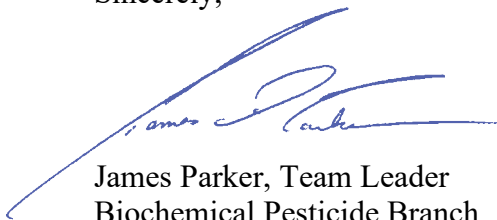
The labeling submitted with this application has been stamped “Notification” and will be placed in our records. You must submit one (1) copy of the final printed labeling with the modifications.

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 the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is subject to review by the 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 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.

Page 2 of 2  
EPA Reg. No. 101745-1  
Salesforce Case No. 00438088

If you have any questions, please contact Chris Pfeifer of my team by phone at (703) 244-7991 or via email at [pfeifer.chris@epa.gov](mailto:pfeifer.chris@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "James Parker", is written over the typed name and title.

James Parker, Team Leader  
Biochemical Pesticide Branch  
Biopesticides and Pollution  
Prevention Division (7511P)  
Office of Pesticide Programs

**NOTIFICATION**

101745-1

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

05/30/2023

Ver~~3/1/2023~~ ~~12/6/2022~~ ~~9/1/2022~~

Formatted: Strikethrough

[Denotes Optional Text]  
{Denotes Notes to EPA Reviewer}  
{Front Panel start}

{Sublabel A – Agricultural use}

# Pure Neem Oil

## Agricultural Use

For foliar and soil treatment to control listed insect pests, mites, fungal disease and nematodes.

ACTIVE INGREDIENT(S):  
Cold Pressed Filtered Neem Oil..... 100%

INERT INGREDIENTS.....0%

**TOTAL..... 100.00%**

(Contains \_\_\_\_\_/pint)

### KEEP OUT OF REACH OF CHILDREN CAUTION

See additional Precautionary Statements [inside booklet] [on [back panel] [side panel] [other panel]].

EPA Reg. No. ~~XXXXX~~ 101745-1-X \_\_\_\_\_ EPA Est. No. XXXXX-XXX-X

Density: \_\_\_\_\_ lbs/gal or \_\_\_\_\_ kg/L

NET WEIGHT: \_\_\_\_\_ lbs/gal or \_\_\_\_\_ kg/L

Formatted: Left, Line spacing: Multiple 1.08 li

**NET CONTENTS:**

1 Gal (5 L)     2.6 Gal (10 L)     5 Gal (20 L)     53 Gal (208 L)     264 Gal (1000L)

Lot [~~or~~Batch No.]: \_\_\_\_\_

| FIRST AID              |   |
|------------------------|---|
| If on skin or clothing | <ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>   |
| If swallowed           | <ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person</li> </ul> |
| If inhaled             | <ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>   |

|  |  |
|--|--|
| If in eyes   | <ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice</li> </ul> |
| <b>HOT LINE NUMBER</b>   |  |
| <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies, call the poison control center at 1-800-222-1222. For general information on this product, call 1-800-920-0131 during the hours of 8-5 EST weekdays, or contact the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 AM to 12 PM PST, or at <a href="http://npic.orst.edu">http://npic.orst.edu</a>.</p> |  |

Manufactured by:

React Industries, LLC

[15 Paradise Plz, PMB 163](#)

[Sarasota, FL 342395215-Shadowlawn Ave., Tampa FL 33610](#)

EPA Company No.: 101745

{End Front Panel}

## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

**CAUTION:** Harmful if absorbed through the skin or swallowed. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Wear the appropriate Personal Protective Equipment (PPE).

#### Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Coveralls or long-sleeved shirt and long pants.
- waterproof gloves such as polyethylene or polyvinyl chloride material
- 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. When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

#### 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 areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment wash water or rinsate. Exposed treated seed may be hazardous to birds and other wildlife. Treat only those seeds needed for immediate use and planting. Dispose of all excess treated seed and seed packaging by burial away from streams and bodies of water.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

### DIRECTIONS FOR USE

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

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 and in 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 unless wearing the appropriate PPE.

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, wear:

- coveralls over long-sleeved shirt and pants,
- chemical-resistant gloves made of any waterproof material, and
- Shoes plus socks.

#### NON-AGRICULTURAL USE REQUIREMENTS

The requirements of this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter 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 Pure 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 Pure Neem Oil with water and a surfactant. Maximum recommended use rate is % gallon (2 quarts) Pure Neem Oil per acre. Use 6 oz. of surfactant per each 20 gallons of water used. Use between % to 1 quart Pure 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. Pure 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 Pure 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 Pure Neem Oil in direct sunlight. Always spot test plants first for sensitivity to sprays.

Pure 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. Pure 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 Pure Neem Oil at a 0.5% dilution. (1 quart of Pure 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 Pure Neem Oil. (2 quarts Pure Neem Oil in 40 gallons of water with 12 oz. of surfactant [such as a mild liquid dish soap])

### USES

Use Pure 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 Pure 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 or disposal.

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

**PESTICIDE DISPOSAL:** To avoid wastes, use all of the material in this container by application according to label directions. If waste cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

**CONTAINER HANDLING:** 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.

**Manufactured by:**

React Industries, LLC

15 Paradise Plz, PMB 163

Sarasota, FL 34239

5215 Shadowlawn Ave., Tampa FL 33610

Formatted: Space After: 0 pt

[Label updated , -3/1/20239/1/2022]

[Denotes Optional Text]  
{Denotes Notes to EPA Reviewer}  
{Front Panel start}

{Sublabel B – non-agricultural use}

# Pure Neem Oil

*Non Agricultural Use*

A foliar and soil treatment to control insect pests, mites, fungal disease and nematodes.

ACTIVE INGREDIENT(S):  
 Cold Pressed Filtered Neem Oil..... 100%  
 INERT INGREDIENTS.....0%  
 TOTAL..... 100.00%

## KEEP OUT OF REACH OF CHILDREN CAUTION

See additional Precautionary Statements [inside booklet] [on [back panel] [side panel] [other panel]].

EPA Reg. No. 101745-1XXXXX-X EPA Est. No. XXXXX-XXX-X

Density: \_\_\_ lbs/gal or \_\_\_ kg/L

NET WEIGHT: \_\_\_ lbs/gal or \_\_\_ kg/L

### NET CONTENTS:

1 Gal (5 L)     2.6 Gal (10 L)     5 Gal (20 L)     53 Gal (200 L)     264 Gal (1000 L)

Lot No. [Batch No.]

| FIRST AID              |   |
|------------------------|---|
| If on skin or clothing | <ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>   |
| If swallowed           | <ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person</li> </ul> |
| If inhaled             | <ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>   |

Formatted: Left, Line spacing: Multiple 1.08 li

Formatted: Left, Indent: Left: 1", First line: 0.5", Line spacing: Multiple 1.08 li



|  |  |
|--|--|
| If in eyes   | <ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice</li> </ul> |
| <b>HOT LINE NUMBER</b>   |  |
| <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies, call the poison control center at 1-800-222-1222. For general information on this product, call 1-800-920-0131 during the hours of 8-5 EST weekdays, or contact the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 AM to 12 PM PST, or at <a href="http://npic.orst.edu">http://npic.orst.edu</a>.</p> |  |

**Manufactured by:**

React Industries, LLC

15 Paradise Plz, PMB 163

Sarasota, FL 34239 5215 Shadowlawn Ave., Tampa FL 33610

EPA ~~Reg~~Company. No.: ~~xxxx-x~~101745

{End Front Panel}

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**CAUTION:** Harmful if absorbed through the skin or swallowed. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Wear the appropriate Personal Protective Equipment (PPE).

**Personal Protective Equipment (PPE)**

Applicators and other handlers must wear:

- Coveralls or long-sleeved shirt and long pants,
- waterproof gloves such as polyethylene or polyvinyl chloride material
- 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. When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**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 areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment wash water or rinsate. Exposed treated seed may be hazardous to birds and other wildlife. Treat only those seeds needed for immediate use and planting. Dispose of all excess treated seed and seed packaging by burial away from streams and bodies of water.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

### DIRECTIONS FOR USE

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

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 and in 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 unless wearing the appropriate PPE.

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, wear:

- coveralls over long-sleeved shirt and pants,
- chemical-resistant gloves made of any waterproof material, and
- Shoes plus socks.

#### NON-AGRICULTURAL USE REQUIREMENTS

The requirements of this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter 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 Pure Neem Oil with water and a surfactant (dish soap, etc.). For 1 quart of water - use 1 teaspoon (tsp.) of Pure Neem Oil with 1/6 tsp. of soap. Shake well. Maximum recommended use rate, when pests are persistent, is 2 tsp. of Pure Neem Oil in 1 quart of water with 1/3 tsp soap. Shake well.

For trees only, you can mix 4 tsp. Pure 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 Pure 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 Pure Neem Oil in direct sunlight. Always spot test plants first for sensitivity to sprays.
- Pure 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. Pure 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 Pure Neem Oil at a 0.5% dilution.

(For 1 quart spray bottle - use 1 tsp. of Pure 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 Pure 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 Pure 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 Pure 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 or 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:** To avoid wastes, use all of the material in this container by application according to label directions. If waste cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

**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~~ For containers greater than or equal to 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 A 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.

**Manufactured by:**

React Industries, LLC  
15 Paradise Plz, PMB 163  
Sarasota, FL 34239  
5215 Shadowlawn Ave., Tampa FL 33610

[Label updated -,3/1/2023/9/1/2022]

Formatted: Space After: 0 pt

[Denotes Optional Text]  
{Denotes Notes to EPA Reviewer}  
{Front Panel start}

{Sublabel C – Residential Use}

# Pure 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.

ACTIVE INGREDIENT(S):  
 Cold Pressed Filtered Neem Oil..... 100%  
 INERT INGREDIENTS..... 0%  
 TOTAL .....100.00%

## KEEP OUT OF REACH OF CHILDREN CAUTION

See additional Precautionary Statements [inside booklet] [on [back panel] [side panel] [other panel]].

EPA Reg. No. 101745-1XXXXX X \_\_\_\_\_ EPA Est. No. \_\_\_\_\_  
XXXXX-XXX-X

**Density:** \_\_\_\_\_ lbs/gal or \_\_\_\_\_ kg/L

**NET WEIGHT:** \_\_\_\_\_ lbs/gal or \_\_\_\_\_ kg/L

### NET CONTENTS:

☐ 0.2 1quart (250-1000 ml)

☐ 8 fl.oz. ☐ 16 fl. oz. ☐ 32 fl. oz. ☐ 64 fl. oz ☐ 1 Gal ☐ 2.5 Gal

Lot No. [Batch No.]

| FIRST AID              |   |
|------------------------|---|
| If on skin or clothing | <ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul> |

Formatted: Left, Line spacing: Multiple 1.08 li

|  |   |
|--|---|
| If swallowed   | <ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person</li> </ul> |
| If inhaled   | <ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>   |
| If in eyes   | <ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice</li> </ul>  |
| <b>HOT LINE NUMBER</b>   |   |
| Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies, call the poison control center at 1-800-222-1222. For general information on this product, call 1-800-920-0131 during the hours of 8-5 EST weekdays, or contact the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 AM to 12 PM PST, or at <a href="http://npic.orst.edu">http://npic.orst.edu</a> . |   |

**Manufactured by:**

React Industries, LLC

15 Paradise Plz, PMB 163

Sarasota, FL 34239

5215 Shadowlawn Ave., Tampa FL 33610

EPA ~~Company Reg.~~-No.: -101745

Formatted: Left

{End Front Panel}

**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 areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment 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**

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

**MIXING**

Pure Neem Oil must be diluted with water prior to use. To prepare a sprayable emulsion, mix Pure Neem Oil with water and a surfactant (dish soap, etc.). For 1 quart of water - use 1 teaspoon (tsp.) of Pure Neem Oil with 1/6 tsp. of soap. Shake well. Maximum recommended use rate, when pests are persistent, is 2 tsp. of Pure Neem Oil in 1 quart of water with 1/3 tsp soap. Shake well. For trees only, you can mix 4 tsp. Pure 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 Pure Neem Oil in direct sunlight. Always spot test plants first for sensitivity to sprays.

Pure 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 Pure Neem Oil at a 0.5% dilution. (For 1 quart spray bottle - use 1 tsp. of Pure 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 Pure 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

Pure 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 Pure 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 or 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:** To avoid wastes, use all of the material in this container by application according to label directions. If waste cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

**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 or equal to 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 A 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.

**Manufactured By:**

React Industries, LLC

15 Paradise Plz, PMB 163

Sarasota, FL 34239

5215 Shadowlawn Ave., Tampa FL 33610

[Label updated ~~3/1/2023~~, ~~12/6/2022~~9/1/2022]

Formatted: Strikethrough