



# Neem Oil

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

### 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

FIRST AID	
<b>If on skin or clothing</b>	Remove contaminated clothing. Rinse skin immediately with plenty of water for about 15 minutes. Call a doctor or poison control center for treatment advice.
<b>If in eyes</b>	Hold eye open and rise 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.
<b>If swallowed</b>	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.
<b>If inhaled</b>	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.	

### 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 1/2 gallon (2 quarts) Neem Oil per acre. Use 6 oz. of surfactant per each 20 gallons of water used. Use between 1/2 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 manufacturers 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) 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)

### 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 rise (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.

### LOT OR BATCH NO.:

### NET CONTENTS:

- 1 gal/3.785l,
- 5 gal/20l,
- 55 gal/200l.

**Sold by:**  
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EPA Est. No.: 92365-TX-1