

GREENEEM[®] NEEM OIL EC

Fungicide

Insecticide

Miticide

Nematicide

**Anti-Feedant, Insect Repellent, Insect Growth
Regulator, Mycelial Growth Inhibitor**

For use on floral and vegetable crops such as fruits,
citrus, nuts, ornamentals, including roses, shrubs and
foliage plants and agronomic crops such as hemp

May be applied up to the day of harvest

Active Ingredient:

Cold Pressed Neem Oil	84.9%
Other Ingredients	15.1%
Total	100.0 %

 FOR ORGANIC PRODUCTION



For Organic Use

*This product contains 6.52 lbs. Cold Pressed
Neem Oil per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

READ ALL DIRECTIONS BEFORE USING THIS PRODUCT
Consult attached booklet on back panel for Precautionary Statements,
Directions for Use, Storage, Disposal and Warranty

NET CONTENTS: 8 FL. OZ. to 55 GALLONS

Shake Well Before Use

©GreeNeem Agri Pvt Ltd.

Manufactured by:
GreeNeem Agri Pvt Ltd.
3-229, Varalotti, Villipathiri Post
Virudhunagar, 626 001 IND

EPA Reg No. 95993-3
EPA Est. No. 95993-IND-1
Batch No.

FIRST AID

If on skin or clothing:	<ul style="list-style-type: none">• Remove contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call Poison Control Center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none">• Call Poison Control Center or doctor immediately for treatment advice;• Have person sip a glass of water if able to swallow;• Do not induce vomiting unless advised to do so by medical professional• Do not give anything by mouth to an unconscious person.
If in eyes	<ul style="list-style-type: none">• Hold eye open and remove contact lenses if present;• Rinse slowly and gently with plenty of water for 15-20 minutes;• Call Poison Control Center or doctor for treatment advice.
Have product label available when calling or visiting the doctor or Poison Control Center. National Pesticide Information Center: 1-800-858-7378	

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin, eyes, or 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 protective clothing (PPE).

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes and socks
- Chemical resistant gloves

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions are available, wash with detergent and hot water. Store PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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 (40CFR170.240(d) (4-6), the handler PPE requirements may be reduced or modified as specified in the WPS. **IMPORTANT:** When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

ENVIRONMENTAL HAZARDS

Bee Hazard: This product is toxic to bees exposed to direct contact. Do not apply while bees are actively visiting the treatment area.

Terrestrial Uses: Do not apply directly to water or to areas where surface water is present, i.e., tidal areas below the mean high-water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash or rinse water.

PHYSICAL AND CHEMICAL HAZARDS

Flammable Keep away from heat and open flame.

User Safety Recommendations

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately. Wash thoroughly. Store separately.
- 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.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL. Use product 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 product application. For any requirements specific to your state or tribe, consult the state or tribal 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), restricted- entry interval and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

Do not enter or allow 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 involves contact with anything that has been treated, i.e. plants, soil, or water:

- Long-sleeved shirt and long pants
- Shoes and socks
- Waterproof or chemical resistant gloves

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 spray has dried.

PRODUCT MODE OF ACTION

GreeNeem® Neem Oil EC controls target pests primarily by ingestion and by contact. The modes of action on insects are repellence, anti-feeding action and interference with the molting process. GreeNeem® Neem Oil EC controls target diseases by inhibiting mycelial growth.

GENERAL INFORMATION

Read all directions before using this product.

Apply GreeNeem® Neem Oil EC as directed to any food or non-food crop up to and including the day of harvest. In most cases, use a concentration of 0.6% GreeNeem EC. In case of severe infestation and fungicide use, apply a 1.3% concentration of GreeNeem EC. Use a maximum rate of 5 pints GreeNeem® Neem Oil EC/acre for insecticide and/or miticide use and 5 quarts GreeNeem® Neem Oil EC/acre for fungicide use. Refer to the Mixing and Application Instructions for mixing and rate instructions and to the Use Site Section for a complete listing of crops.

MIXING

GreeNeem® Neem Oil EC is an emulsifiable concentrate and requires only water for the appropriate use dilution. Additional surfactant is not required. Shake the container well before use.

Add the GreeNeem® Neem Oil EC to a mixing tank with a little water and agitate. Neem oil can solidify at temperatures below 59 F. If solidified, thaw the product by setting out in temperatures over 80 F and agitating well before mixing with water. For optimal emulsion, do not use cold water (less than 45 F). Then add remaining water to the spray tank with continuous agitation.

Applying the product immediately after preparation assures that it is in suspension. To prevent separation of the emulsion, mix thoroughly and continue agitation while spraying. Non-uniform mixing can cause crop injury or result in lowered effectiveness. For tank mixtures add components to the tank containing the GreeNeem® Neem Oil EC spray mixture and agitate thoroughly. If tank mixture is allowed to sit, agitation is necessary prior to application. Adjusting spray mixture pH between 5.5 and 7.0 will provide optimal performance. Always use this product promptly after mixing with water and do not let tank mix sit for extended periods.

COMPATIBILITY: GreeNeem® Neem Oil EC is best applied independently but has been found to be compatible with tank mixes including liquid fertilizers such as fish emulsion and adjuvants like karanja, cottonseed, sesame, and castor oils. Always read and follow the directions for use, precautions and limitations for use on all product labels used in combination. Applications must follow the precautions and limitations of the most restrictive product label in the mixture. Do not exceed the dosage rates of any product.

Check compatibility by using the correct proportion of the products in a small test container. Test the tank-mix combinations for possible adverse effects (such as settling out, flocculation, etc.) and for potential phytotoxic effects on a small sample of plants prior to use. As environmental conditions can alter the interactions between compounds, in order to test for compatibility a test should be conducted for both new and previously used combinations. Avoid mixtures of several materials and very concentrated spray mixtures.

Do not use the combination if a uniform, milky emulsion is not formed. Adjust with addition of warm water or more emulsifier and agitate before use

DO NOT apply sulfur or sulfur containing products within 14 days of a GreeNeem® Neem Oil EC application. GreeNeem® Neem Oil EC may not be compatible with deltamethrin formulations such as Decis®.

PHYTOTOXICITY: Used according to label instructions, GreeNeem® Neem Oil EC has been evaluated for phytotoxicity on a wide range of crops and ornamentals. However, it is recommended that testing a small portion of the area to be treated for phytotoxicity be conducted before treating the entire area. Apply foliar spray in conditions that favor fast drying.

Further, all possible mixtures of pesticide sprays, other fertilizers, surfactants, adjuvants, have not been tested. Therefore, testing for phytotoxicity of spray mixtures is recommended. Spray equipment used to apply GreeNeem® Neem Oil EC must be thoroughly cleaned before use. Tank mix combinations of GreeNeem® Neem Oil EC may be incompatible with oil-based formulations.

APPLICATION INSTRUCTIONS

Apply GreeNeem® Neem Oil EC as a foliar spray or as soil drench to control pests. Use as a soil drench to control soil borne pests and larvae. When applied as soil drench, avoid excessive run-off. GreeNeem® Neem Oil EC can also be applied through sub- surface soil treatment equipment. Always follow equipment manufacturers' use directions. GreeNeem® Neem Oil EC may be applied using any powered or manual pesticide application equipment which includes high volume, low volume, ultra-low volume, electrostatic, air blast and fogging. Follow the original manufacturer's instructions when using these equipment types. When used as a foliar application, ensure thorough coverage of plant surfaces, but avoid pooling or run-off.

Avoid spraying under conditions of high humidity and high temperatures (>90°F).

INSECTICIDE/MITICIDE/NEMATICIDE USE

Spray when the onset of insects (see Pest List) is expected or soon after insects are noticed. When used as a foliar application, spray diluted GreeNeem® Neem Oil EC in a suitable high-volume sprayer with adequate spray pressure to ensure complete and thorough coverage of plant surfaces. Ensure both top and bottom of leaves are wetted. For optimum results, repeat applications at 7 to 10-day intervals. Use higher rates and increase spray frequency when pest pressure is high. Spray early in the morning or in evening for best results. Repeat application if it rains within 4 hours of spraying.

	Concentration	Rate	Spray Interval
Most pests and crop conditions	0.6% GreeNeem® Neem Oil EC	1-2-pint GreeNeem Neem Oil EC/acre	7-10 days
For severe infestation	1.3% GreeNeem® Neem Oil EC	5 pints GreeNeem Neem Oil EC/acre	7-10 days

Root-dip Nematicide Use on Strawberries

For bare-root dip applications on strawberries, use a concentration of 2% (e.g. 2 gallons of GreeNeem® Neem Oil EC in 100 gallons of water). If bare-root nursery plants are in cold storage, allow them to thaw to ambient temperature – approximately 20°C (70°F).

Submerge the entire plant to be treated in GreeNeem® Neem Oil EC emulsion. Leave the plant completely submerged in for 15-30 minutes. Remove the plants from the treatment solution, shake off excess liquid, and drain for 5-15 min. Plant after treatment, or package the plants in suitable containers and cold store between -2°C and 5 °C(28- 48°F) during shipping and until planting.

FUNGICIDE USE

GreeNeem® Neem Oil EC controls powdery mildew, botrytis, suppresses stem mildew and sour rot on grapes. Do not apply with any sulfur or sulfur containing products within 14 days of a GreeNeem® Neem Oil EC application.

Disease	Concentration	Rate	Spray Interval
Powdery Mildew & related fungal rot issues	1.0 - 1.5%	5 quarts	10-14 days
Botrytis	1.0 - 1.5%	5 quarts	10 - 14 days

DILUTION TABLE

Gallons of Water	Volume of GreeNeem Neem Oil EC		
	0.6% Concentration	1.3% Concentration	2.0% Concentration
25	1 ¼ pints	2 ½ pints	0.5 gallons (2 quarts)
50	2 ½ pints	5 pints	1 gallon
75	3 ¾ pints	7 ½ pints	1.5 gallon
100	5 pints	10 pints (5 quarts)	2 gallon

USE SITES

CROP USES – Use GreeNeem® Neem Oil EC on crops and crop groupings such as: Alfalfa, Beans, Berries (including strawberries), Brassicas, Bulb Vegetables, Cereal Grains, Citrus fruits, Cole Crops, Cotton, Cucurbits, Fruits, Grapes, Hemp, Herbs, Legumes (including soybeans), leafy and fruiting vegetables, peanuts, roots, and tubers (including potatoes), Pome and Stone Fruits, Tobacco, Tree Nuts and tropical fruits.

Use on Other Plants – Use GreeNeem® Neem Oil EC on other plantings including ornamentals, nurseries, fence rows, turf i.e., golf courses, parks, and other grass areas.

PESTS (INSECTS and DISEASES)

Use against the following pests, and not limited to:

Aphids	Cotton Aphid, Cowpea Aphid, Green Peach Aphid, Mustard Aphid, OkraAphid, Pea Aphid, Rice Aphid
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, Soybean Japanese Beetle
Stink Bugs	Tomato Stink Bugs
Caterpillars	Black Headed Caterpillar, Cabbage Caterpillar, Ear Cutting Caterpillar, Tobacco Caterpillar, Yellow Hairy Caterpillar
Leafhoppers	Brown Plant Hopper, Carolina Grasshopper, Leafhopper, Potato Leafhopper, Rice Brown Plant Hopper, Rice Grasshopper, Rice Green Leafhopper, Grape Leafhopper
Leafminers	Leaf miners of Ornamental Plants, Tomato Leaf miner
Whiteflies	Cotton Whitefly, Sugarcane Whitefly, Banded Wing Whitefly, Citrus Whitefly
Mealy Bugs	Mealy Bugs of Ornamental Plants and Grapes
Midges	Brassica Pod Midge
Mites	Spider Mites
Nematodes	Root Knot Nematodes, [Soybean Cyst Nematodes*]
Weevils	Black Vine Weevil
Scales	California Red Scale, Yellow Scale, Coffee Green Scale
Thrips	Peanut Thrips, Grape Thrips
Disease	Powdery Mildew, Stem Mildew, Botrytis, Sour Rot on Grapes

*Except in California

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Do not store this product above 104°F or below 20°F for extended periods. Keep containers tightly closed and in original containers when not in use. Do not store exposed to ultraviolet light (sunlight) or moisture. Neem oil clouds and solidifies at temperatures below 59° F. If oil has solidified, gently thaw by exposing to temperatures over 80° F. Store in such a manner to prevent cross contamination with other pesticides, fertilizers, food and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Keep container closed when not in use.

PESTICIDAL DISPOSAL: To avoid waste, use all 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 DISPOSAL: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available.

Five Gallon or Smaller Containers: Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or mix tank. Fill the container ¼ with water and recap. Shake for 10 seconds. Pour rinse into application equipment or a mix tank or store rinse for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Containers Larger than Five Gallons: Triple rinse as follows -Empty remaining contents into application equipment or mix tank. Fill container ¼ with water. Replace and tighten closures. Tip container on its side and roll back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinse into application equipment or mix tank or store rinse for later use or disposal. Repeat procedure two more times.

NOTICE ON CONDITIONS OF SALE

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Seller. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Seller makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Seller is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Seller disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Seller election, the replacement of product GreeNeem®Neem Oil EC.

[Optional Marketing Claims]

[Use] The Power of Neem

- [Cold Pressed] [Pure] Neem Oil
- Derived From Neem
- Plant-based [biopesticide] [spray]
- Botanical insecticide and fungicide
- Non-toxic [mode of] action
- Ready-to-Use [spray] [formula]
- Protect your plants from insects and diseases
- [4-in-1,] multi-purpose product – fungicide, insecticide, miticide and nematicide
- [For] Use as part of an Integrated Pest Management [program][strategy]
- GreeNeem Neem Oil EC is an effective biological fungicide, insecticide, miticide and nematicide for gardening uses on vegetables, tree fruits, nuts and vines, citrus, ornamental

flowers, shrubs and trees, grass lawns, and houseplants.

- For use on vegetables, [fruits,] [nuts,] [vines,] [citrus,] [ornamental plants,] [shrubs and trees,] [grass lawns,] [houseplants]
- [Also] controls aphids, [beetles,] [stink bugs,] [caterpillars,] [leafhoppers,] [leaf miners,] [whiteflies,] [mealy bugs,] [midges,] [spider mites,] [nematodes,] [weevils,] [scales,] [and] [&] [thrips] [other listed insects and nematodes]
- Controls powdery mildew, botrytis, [stem mildew,] [and] [&] [sour rot]
- Use for the prevention and control of various fungal diseases such as powdery mildew, botrytis, stem mildew and others as listed on label.
- Can be applied up to day of harvest [as a [4 in 1,] multi-purpose product [– fungicide, insecticide, miticide and nematicide]]
- For use in and around home and home garden
- Peel Here for Directions & Precautions
- Concentrate
- [8 fl. oz. concentrate] [this bottle] makes up to 11 gallons
- [12 fl. oz. concentrate] [this bottle] makes up to 16 gallons
- [16 fl. oz. concentrate] [this bottle] makes up to 21 gallons
- [24 fl. oz. concentrate] [this bottle] makes up to 32 gallons
- [32 fl. oz. concentrate] [this bottle] makes up to 43 gallons
- [128 fl. oz. concentrate] [this container] makes up to 172 gallons
- [320 fl. oz. concentrate] [this container] makes up to 430 gallons