TerraNeem® EC

Biological Insecticide, Miticide, Nematicide, Fungicide

Anti-Feedant, Insect Repellent, Insect Growth Regulator

For Crop and Use on Other Plants including vegetables, fruits, nuts, ornamental plants, and other plants

READ ALL DIRECTIONS BEFORE USING THIS PRODUCT See labelleaflet for additional Directives for All Uses

WARNING

Shake Well Before Use

Flammable. Keep away from heat or open flame.

CAUTION

KEEP OUT OF REACH OF CHILDREN

CAUTION

FOR ORGANIC PRODUCTION

Batch No: FC201603978

1 Gallon Net Contents

Manufactured By TERRamera, Inc.

6920 Tarrant Highway

Denton, Texas 76207

1-800-597-9509

LVTERTNEC-1

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Personal Protective Equipment (PPE)

Appropriate PPE for the user includes:

- Long-sleeved shirt and long pants
- Shoes plus socks

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions are available, wash them with soap and water separately from other laundry. Do not use products containing other absorbent materials that have been drenched or heavily contaminated with this product’s concentrate. Do not reuse if any handlers used closed system (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.

Importing PPE: PPE may be imported in quantities not exceeding those previously 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 break-down.

Environmental Hazards

For terrestrial uses: Do not apply to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water or adjacent to treated areas. Do not contaminate water when disposing of equipment washwater or rinsate.

Physical and Chemical Hazards

Flammable, avoid heat and open flame.

User Safety Recommendations

• Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
• Remove PPE immediately if contaminated with pesticide. Wash thoroughly and put on cleaning cloth.
• 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.

Storage and Disposal

DO NOT contaminate water, food or feed by pesticide storage or disposal.

Pesticide Storage:

Do not store this product above 104°F or below 32°F for extended periods of time. 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 reach of children, preferably in a locked storage area. Keep container closed when not in use.

Pestidal disposal:

Avoid to waste, use all material in this container by application according to labeling directions. If pesticides cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are available at local motor fueling operators or locations of a local waste disposal program).

Container disposal:

Non-refillable container. Do not re-use or refill this container. Offer for recycling, if available.

Non-refillable containers. Trowe rinses container (or equivalent) containing waste material. Trowe rinses rinsate into application equipment or a mix tank. Fill the container halfway with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank. Fill the container ¾ 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 allow to stand for several times. Turn the container over onto its other end and spill 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.

Notice by condition of safety:

By using this product, user or buyer accepts the following conditions, Disclaimer of Warranties and Limitations of Liability. Conditions 1. The directions for use of this product are believed to be adequate and must be followed carefully. It is impossible to eliminate all associations associated with the use of this product. Crop injury, ineffective or otherwise unintended consequences cannot be avoided 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.

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.

CON’T.

NOTICE ON CONDITIONS OF SAFETY

The directions for use of this product are believed to be adequate and must be followed carefully. It is impossible to eliminate all associations associated with the use of this product. Crop injury, ineffective or otherwise unintended consequences cannot be avoided 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 fitness for a particular purpose, 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 except as specifically authorized by Seller. 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.
TerraNeem™ EC
Biological Insecticide, Miticide, Nematicide, Fungicide

Anti-Feedant
Insect Repellent
Insect Growth Regulator

For Crop and Use on Other Plants including vegetables, fruits, citrus, nuts, ornamental plants, and other plants

Active Ingredient:
Cold Pressed Neem Oil*....................... 84.9%
Other Ingredients............................ 15.1%
Total ........................................... 100%

READ ALL DIRECTIONS BEFORE USING THIS PRODUCT.

SHAKE WELL BEFORE USE.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. READ ENTIRE LABEL. 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 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) and restricted-entry interval. 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 that involves contact with anything that has been treated, such as plants, soil, or water is:
• Long-sleeved shirt and long pants
• 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.

Product Mode of Action

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

MIXING

TerrNeem 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 TerraNeem EC to a mixing tank with a little water and agitation. 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 to Use Site Section for a complete listing of crops.

COMPATIBILITY

TerraNeem 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 oil, cottonseed oil, sesame oil and castor oil. 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 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 shall 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 use. DO NOT mix with its labeling. READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS.

GENERAL INFORMATION

Keep out of reach of children.

EPA Reg. No. 88760-5
EPA Est. No. 49292-WA-001

Manufactured By Terramera, Inc.
6920 Salishan Pkwy D-109
Ferndale, WA 98248
1-800-597-9509

For Organic Use
OMRI Listed

Page 1 of 2
PHOTOTOXICITY
When used according to label instructions, TerraNeem EC has been evaluated for phototoxicity on a wide range of crops and ornamentals. However, it is recommended that testing of a small portion of the area to be treated for phototoxicity 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 phototoxicity of spray mixtures is recommended. Spray equipment used to apply TerraNeem EC must be thoroughly cleaned before use. Tank mix combinations of TerraNeem EC may be incompatible with oil-based formulations.

APPLICATION INSTRUCTIONS
Apply TerraNeem EC as a foliar spray or as a soil drench to control pests. Use as a soil drench to control soil borne pests and larvae of pests. When applied as a soil drench, avoid excessive run off. TerraNeem EC can also be applied through sub-surface soil treatment equipment. Always follow equipment manufacturer’s use directions. TerraNeem 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 types of equipment. When used as a foliar application, ensure thorough coverage of the plant surfaces, but avoid pooling or run off.

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

Insecticide/Miticide/Nematicide Use
Spray when the onset of pests (see Pest List) is expected or soon after pests are noticed. When used as a foliar application, spray TerraNeem EC in 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. Use higher rates and increase spray frequency when pest pressure is high. Spray early in the morning or in the evening for best results. Repeat application if it rain within four hours of spraying.

Root-dip Nematicide Use on Strawberries
For bare-root dip applications on strawberries use a concentration of 2% (e.g. 2 gallons of TerraNeem 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 TerraNeem 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
TerraNeem EC controls powdery mildew and Botrytis and suppresses stem mildew and sour rot on grapes. Do not apply with any sulfur or sulfur containing products within 14 days of a TerraNeem EC application.

Dilution Table

<table>
<thead>
<tr>
<th>Gallons Water</th>
<th>Volumes of TerraNeem EC</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.6% Concentration</td>
</tr>
<tr>
<td>25</td>
<td>1 1/4 pints</td>
</tr>
<tr>
<td>50</td>
<td>2 1/2 pints</td>
</tr>
<tr>
<td>75</td>
<td>3 3/4 pints</td>
</tr>
<tr>
<td>100</td>
<td>5 pints</td>
</tr>
</tbody>
</table>

USE SITES

CROP USES – Use TerraNeem EC on the following crops:

USE on Other Plants – Use TerraNeem EC on other sites including: ornamentals, nurseries, fencerows and turf including golf courses, parks, and other grass areas.

PESTS (INSECTS AND DISEASES)

Use against the following pests:

<table>
<thead>
<tr>
<th>Pests</th>
<th>Insecticide/Miticide/Nematicide Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aphids</td>
<td>Cotton Aphid, Cowpea Aphid, Mustard Aphid, Okra Aphid, Pea Aphid, Rice Aphid</td>
</tr>
<tr>
<td>Beetles</td>
<td>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</td>
</tr>
<tr>
<td>Stink Bugs</td>
<td>Tomato Stink Bugs</td>
</tr>
<tr>
<td>Caterpillars</td>
<td>Black Headed Caterpillar, Cabbage Caterpillar, Ear Cutting Caterpillar, Tobacco Caterpillar, Yellow Hairy Caterpillar</td>
</tr>
<tr>
<td>Leafhoppers</td>
<td>Brown Plant Hopper, Carolina Grasshopper, Leafhopper, Potato Leafhopper, Rice Brown Plant Hopper, Rice Grasshopper, Rice Green Leafhopper, Grape Leafhopper</td>
</tr>
<tr>
<td>Leafminers</td>
<td>Leafminers of Ornamental Plants, Tomato Leafminer</td>
</tr>
<tr>
<td>Thrips</td>
<td>Peanut Thrips, Grape Thrips</td>
</tr>
<tr>
<td>Mites</td>
<td>Spider Mites</td>
</tr>
<tr>
<td>Nematodes</td>
<td>Root Knot Nematodes, Soybean Cyst Nematodes*</td>
</tr>
<tr>
<td>Weevils</td>
<td>Black Vine Weevil</td>
</tr>
<tr>
<td>Worms</td>
<td>Armyworms</td>
</tr>
<tr>
<td>Scales</td>
<td>California Red Scale, Yellow Scale, Coffee Green Scale</td>
</tr>
<tr>
<td>Thrips</td>
<td>Peanut Thrips, Grape Thrips</td>
</tr>
<tr>
<td>Diseases</td>
<td>Powdery Mildew, Stem Mildew, Botrytis, Sour Rot on Grapes</td>
</tr>
</tbody>
</table>

* Except in California