STORAGE AND DISPOSAL: DO NOT contaminate water, feed or pesticide storage or disposal.

PESTICIDE STORAGE: Do not store this product above 104°F or below 20°F for extended periods of time. Keep container tightly closed and in original container when not in use. Do not store exposed to ultraviolet light, moisture, or freezing temperatures. 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 way to prevent cross contamination with other pesticides and feed. Store in container out of reach of children, preferably in a locked storage area. Keep container closed when not in use.

PESTICIDAL DISPOSAL: To avoid wastes, use all material in this container by application according to label directions. If wastes 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 re-use or refill this container. Offer for recycling, if available.

5-Gallon or Smaller Containers:  If a mix tank is not used, pour into a clean 5-gallon container. If the product is water miscible, thoroughly mix and pour into a clean 5-gallon container. If the product is not water miscible, transfer into an applicator tank. Place the container tightly closed and in the original container 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 way to prevent cross contamination with other pesticides and feed. Store in container out of reach of children, preferably in a locked storage area. Keep container closed when not in use.

5-Gallon or Smaller Containers:  If a mix tank is not used, pour into a clean 5-gallon container. If the product is water miscible, thoroughly mix and pour into a clean 5-gallon container. If the product is not water miscible, transfer into an applicator tank. Place the container tightly closed and in the original container 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 way to prevent cross contamination with other pesticides and feed. Store in container out of reach of children, preferably in a locked storage area. Keep container closed when not in use.

IMPORTANT: READ BEFORE USE

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, inefficacy or other undesired consequences may be caused because of such factors as weather conditions, presence of other materials, or the manner 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 this product. To the extent consistent with applicable law, Seller disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use of equipment washwater or rinsate.

READ ALL DIRECTIONS BEFORE USING THIS PRODUCT

See label booklet for additional precautionary statements and directions for use.

KEEP OUT OF REACH OF CHILDREN

CAUTION

EPA Reg. No. 81763-20117
EPA Est. No. 49292-WA-001

1 Gallon Not Contents

For Use on Listed Crops including vegetables, fruits, citrus, nuts, ornamental plants, and other plants.

For Foliar and soil control of listed insect pests, mites, fungal disease and nematodes.

Active Ingredient: Cold Pressed Neem Oil. 84.9%

Other Ingredients: 15.1%

Total 100%

This product contains 6.52 lbs of cold pressed neem oil per gallon.

Shake Well Before Use

For Use on Listed Crops

Anti-Feedant, Insect Repellent, Insect Growth Regulator, Fungal Growth Inhibition

Precautionary Statements

Hazard to Humans and Domestic Animals

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

• Long-sleeved shirt and long pants
• Shirts plus socks

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions are available, wash with detergent and hot water. Keep and store PPE separately from other laundry.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided with at least 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 directly 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 adjacent to treated areas. Do not contaminate water when disposing of equipment washwater or rinsate.

Personal Protective Equipment (PPE)

User Safety Recommendations

• Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
• Remove clothing immediately if contaminated with pesticide. Wash thoroughly and put clean clothing on before returning to work.
• 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.

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.
TerraNeem® EC
Biological Insecticide, Fungicide, Nematicide, Miticide

Anti-Feedant, Insect Repellent, Insect Growth Regulator, Fungal Growth Inhibition

For use on listed crops including vegetables, fruits, citrus, nuts, ornamental plants, and other plants
For foliar and soil treatment to control listed insect pests, mites, fungal disease, and nematodes

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

GENERAL INFORMATION
Read all directions before using this product. To control listed pests, apply TerraNeem EC as directed to any food or non-food crop up to and including the day of harvest.

- Insecticide & Miticide Foliar Applications: For most pest and crop conditions, use a concentration of 0.5 - 1% TerraNeem EC. For heavier infestation, use a 1.5% concentration of TerraNeem EC. Use a maximum rate of 5 pints TerraNeem EC/acre.
- Fungicide Foliar Applications: Use a concentration of 1.0 - 1.5% TerraNeem EC up to a maximum rate of 5 quarts TerraNeem EC/acre.
- Nematicide and Other Soil Applications: Use a Maximum rate of 6 quarts TerraNeem EC/acre in 1 - 2% dilution.

Refer to the Mixing and Application Instructions for mixing and rate instructions and to Use Site Section for a complete listing of crops.

MIXING INSTRUCTIONS
TerraNeem 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. 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).

KEEP OUT OF REACH OF CHILDREN
CAUTION
EPA Reg. No. 88760-5
EPA Est. No. 49292-WA-001
Manufactured For Terramera, Inc. 6920 Salashan Pkwy D-109 Ferndale, WA 98248 1-800-597-9509 agriculture@terramera.com

Active Ingredient:
Cold Pressed Neem Oil........................ 84.9%
Other Ingredients.............................. 15.1%
Total............................................ 100%
This product contains 6.52ibs of cold pressed neem oil per gallon.

Add TerraNeem EC to a mixing tank half-filled with water of 45°F or warmer and agitate. Then add additional water to final volume with continuous agitation. If water temperature is below 45°F, achieve a good emulsion by premixing TerraNeem EC at 1:1 ratio with tepid water before filling to final volume. When mixing with other products such as wettable powder insecticides or fungicides, add those products first when the tank is approximately 1/3 full. Agitate well while mixing to achieve complete emulsification. Do not use if a uniform, cloudy emulsion is not formed. Always use this product promptly after mixing with water. To prevent separation of the emulsion, agitate continuously during application. Non-uniform dilution can cause crop injury or result in lowered effectiveness. For tank mixtures, add components to the tank containing the TerraNeem EC spray mixture and agitate thoroughly. Do not let tank mixture sit for an extended period of time. If tank mixture is allowed to sit, agitate thoroughly again prior to and during application. Adjusting the spray mixture pH between 5.5 and 7.0 will provide optimal performance.

Tank Mix and Compatibility
TerraNeem EC is best applied independently but has been found to be compatible when tank mixed with liquid fertilizer such as fish emulsion and adjuvants such as cottonseed oil, sesame oil and castor oil. To determine the physical compatibility of TerraNeem EC with other products, test as described below before mixing.

Jar Compatibility Test: Using a quart jar, add the proportionate amounts of products to be tank mixed to 1 quart of water in the following order. Add wettable powders and water-dispersible granular products first, then add liquid flowables, then add emulsifiable concentrates and solutions last. After thoroughly mixing by agitation, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank. All possible tank mix combinations on all crops have not been tested. Growers must test tank mix combinations for phytotoxicity on a sample of plants prior to use. Do not use mixtures of incompatible products as it may cause phytotoxicity or result in lowered effectiveness.

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.

DO NOT apply sulfur or sulfur containing products within 14 days of a TerraNeem EC application.

Phototoxicity
When used according to label instructions, TerraNeem EC has been evaluated for phytotoxicity on a wide range of crops and ornamentals. To avoid plant damage, test this product on a small portion of the area to be treated for phytotoxicity before treating the entire area. Apply foliar spray in conditions that favor fast drying. All possible mixtures of pesticide sprays, other fertilizers, surfactants, and adjuvants, have not been tested. Therefore, user must test spray mixtures to ensure no phytotoxicity before applying to wide areas.

Application Equipment:
Apply TerraNeem EC using any powered or manual pesticide application equipment including high volume, low volume, ultra-low volume, electrostatic, air blast and fogging equipment. When used as a foliar application, ensure complete coverage of the plant surfaces, but avoid pooling or run off. Follow the original equipment manufacturer’s instructions. Avoid spraying under conditions of high humidity and high temperature (>90°F). Thoroughly clean spray equipment used to apply TerraNeem EC before use. Tank mixed combinations of TerraNeem EC may not be compatible with oil-based formulations. To determine compatibility, conduct Jar Compatibility Test.
CHEMIGATION INSTRUCTIONS

**CHEMIGATION INSTRUCTIONS**

Apply TerraNeem as a foliar spray or as soil treatment (soil drench, in-furrow, drip-applied) to control listed insect pests, nematodes and diseases.

Apply as a soil treatment to control listed soil-borne pests and larvae of pests (see Chemigation Instructions).

**Insecticide/Miticide Foliar Use**

Apply TerraNeem EC in sufficient amounts of water and adequate spray pressure to achieve thorough coverage of plant surfaces. TerraNeem EC is most effective when applied before or around the onset of insects, mites or their eggs (see Pest List) or as soon as they are noticed. Apply at a concentration of 0.5 - 1.5% for a maximum rate of 5 pints TerraNeem EC per acre. 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 rains within four hours of spraying.

**Nematicide and Other Soil Use**

Apply as a preventative treatment (see Pest List for Soil Pests) or control treatment after nematodes and other listed pests have been detected. When used as a soil application (soil drench, in-furrow, drip-applied) apply at 1.0 - 2.0% for a maximum rate of 6 quarts TerraNeem EC per acre to deliver complete and thorough coverage. When applied as a soil drench, avoid excessive run off. Repeat the applications as necessary.

**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 for 100 gallons of water). For root-dip applications, apply at 1.0 - 2.0% for a maximum rate of 6 quarts TerraNeem EC per acre. Frequent agitation is necessary. Apply in sufficient amounts of water and adequate spray pressure to achieve thorough coverage of plant surfaces. TerraNeem EC is most effective when applied before or around the onset of insects, mites or their eggs (see Pest List) or as soon as they are noticed. Apply at a concentration of 0.5 - 1.5% for a maximum rate of 5 pints TerraNeem EC per acre. 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 rains within four hours of spraying.

**Fungicide Foliar Use**

Apply TerraNeem EC in sufficient amount of water and with adequate spray pressure to achieve thorough coverage of plant surfaces. TerraNeem EC is most effective when applied before the onset of disease development. Apply a maximum rate of 5 quarts TerraNeem EC per acre at a concentration of 1.0 - 1.5%. Do not apply with any sulfur or sulfur containing products within 14 days of a TerraNeem EC application.

**CHEMIGATION INSTRUCTIONS**

**General Chemigation Requirements**

Apply this product only through in-furrow or drip (trickle) irrigation & system(s). Do not apply this product through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

**Furrow Chemigation Requirements**

Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure – or weir box to decrease potential for water source contamination from back flow if water flow stops. Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

- The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

A supply tank is recommended for this product. If using a supply tank, dilute this product at the rate of 6 quarts per 100~200 gallons of water. Frequent agitation is necessary. Apply in the second half of the water application to deliver TerraNeem EC to the soil pests.

**Drip Chemigation Requirements**

The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pump must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. Systems must use a metering pump such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

A supply tank is recommended for this product. If using a supply tank, dilute this product at the rate of 6 quarts per 100~200 gallons of water. Frequent agitation is necessary. Apply in the second half of the water application to deliver TerraNeem EC to the soil pests.

**USE SITES**

**Crop Uses – Use TerraNeem EC on the following crops adn crop groupings:**

**VEGETABLES**

- **Bulb Vegetable Crops (including but not limited to):**
  - Garlic
  - Onion
  - Leek

- **Cucurbit Crops (including but not limited to):**
  - Squash
  - Summer squash
  - Winter squash
  - Cucumber

- **Fruit and Nut Crops (including but not limited to):**
  - Maple
  - Apple
  - Pear

- **Leafy & Brassica (Cole) Vegetable Crops (including but not limited to):**
  - Kale
  - Broccoli
  - Cauliflower

**Dilution Table for Low Volume Applications**

<table>
<thead>
<tr>
<th>Gallons of Water</th>
<th>TerraNeem EC Dilution</th>
<th>TerraNeem EC for 0.5% Solution</th>
<th>TerraNeem EC for 1% Solution</th>
<th>TerraNeem EC for 1.5% Solution</th>
<th>TerraNeem EC for 2% Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>24 fl. oz.</td>
<td>1.88</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>1 quart</td>
<td>1.66</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>1 quart</td>
<td>1.25</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>1 quart</td>
<td>1.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>1 quart</td>
<td>0.83</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Dilution Table for High Volume Applications**

<table>
<thead>
<tr>
<th>Gallons of Water</th>
<th>Gallons of TerraNeem EC for 0.5% Solution</th>
<th>Gallons of TerraNeem EC for 1% Solution</th>
<th>Gallons of TerraNeem EC for 1.5% Solution</th>
<th>Gallons of TerraNeem EC for 2% Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>0.125 (16 fl. oz.)</td>
<td>0.25 (32 fl. oz.)</td>
<td>0.375 (48 fl. oz.)</td>
<td>0.5 (64 fl. oz.)</td>
</tr>
<tr>
<td>50</td>
<td>0.25 (32 fl. oz.)</td>
<td>0.5 (64 fl. oz.)</td>
<td>0.75 (96 fl. oz.)</td>
<td>1.0</td>
</tr>
<tr>
<td>75</td>
<td>0.375 (48 fl. oz.)</td>
<td>0.75 (96 fl. oz.)</td>
<td>1.125 (161 fl. oz.)</td>
<td>1.5</td>
</tr>
<tr>
<td>100</td>
<td>0.5 (64 fl. oz.)</td>
<td>1.0</td>
<td>1.5</td>
<td>2.0</td>
</tr>
<tr>
<td>125</td>
<td>0.625 (80 fl. oz.)</td>
<td>1.25</td>
<td>1.875 (300 fl. oz.)</td>
<td>2.5</td>
</tr>
<tr>
<td>150</td>
<td>0.75 (96 fl. oz.)</td>
<td>1.5</td>
<td>2.25 (375 fl. oz.)</td>
<td>3.0</td>
</tr>
<tr>
<td>175</td>
<td>0.875 (112 fl. oz.)</td>
<td>1.75</td>
<td>2.625 (450 fl. oz.)</td>
<td>3.5</td>
</tr>
<tr>
<td>200</td>
<td>1.0</td>
<td>2.0</td>
<td>3.0</td>
<td>4.0</td>
</tr>
</tbody>
</table>
# Legume Crops (including but not limited to)

<table>
<thead>
<tr>
<th>Bean (sweet lupin, white lupin)</th>
<th>Broad bean</th>
<th>Broad bean, runner bean, snap bean, tepary bean, wax bean</th>
<th>Broad bean</th>
<th>Broad bean, runner bean, snap bean, tepary bean, wax bean</th>
<th>Broad bean, runner bean, snap bean, tepary bean, wax bean</th>
<th>Broad bean</th>
<th>Broad bean, runner bean, snap bean, tepary bean, wax bean</th>
<th>Broad bean</th>
<th>Broad bean, runner bean, snap bean, tepary bean, wax bean</th>
<th>Broad bean</th>
<th>Broad bean, runner bean, snap bean, tepary bean, wax bean</th>
<th>Broad bean</th>
<th>Broad bean, runner bean, snap bean, tepary bean, wax bean</th>
<th>Broad bean</th>
<th>Broad bean, runner bean, snap bean, tepary bean, wax bean</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bean (field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, tepary bean, wax bean)</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
</tr>
<tr>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
</tr>
<tr>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
<td>Broad bean, runner bean, snap bean, tepary bean, wax bean</td>
</tr>
</tbody>
</table>

# Root and Tuber Vegetable Crops (including but not limited to)

<table>
<thead>
<tr>
<th>Artichoke</th>
<th>Beets (garden, sugar)</th>
<th>Carrot</th>
<th>Cassava (bitter, sweet)</th>
<th>Celeriac (celery root)</th>
<th>Chicory</th>
<th>Citrus and tropical fruit crops (including but not limited to)</th>
<th>Small fruit and berry crops (including but not limited to)</th>
<th>Tree nut crops (including but not limited to)</th>
<th>HERBS AND SPICE CROPS (including but not limited to)</th>
<th>Cereal grain crops (including but not limited to)</th>
<th>Forage crops (including but not limited to)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arthrotus</td>
<td>Beet (garden, sugar)</td>
<td>Carrot</td>
<td>Cassava (bitter, sweet)</td>
<td>Celeriac (celery root)</td>
<td>Chicory</td>
<td>Citrus and tropical fruit crops (including but not limited to)</td>
<td>Small fruit and berry crops (including but not limited to)</td>
<td>Tree nut crops (including but not limited to)</td>
<td>HERBS AND SPICE CROPS (including but not limited to)</td>
<td>Cereal grain crops (including but not limited to)</td>
<td>Forage crops (including but not limited to)</td>
</tr>
<tr>
<td>Artichoke</td>
<td>Beet (garden, sugar)</td>
<td>Carrot</td>
<td>Cassava (bitter, sweet)</td>
<td>Celeriac (celery root)</td>
<td>Chicory</td>
<td>Citrus and tropical fruit crops (including but not limited to)</td>
<td>Small fruit and berry crops (including but not limited to)</td>
<td>Tree nut crops (including but not limited to)</td>
<td>HERBS AND SPICE CROPS (including but not limited to)</td>
<td>Cereal grain crops (including but not limited to)</td>
<td>Forage crops (including but not limited to)</td>
</tr>
<tr>
<td>Artichoke</td>
<td>Beet (garden, sugar)</td>
<td>Carrot</td>
<td>Cassava (bitter, sweet)</td>
<td>Celeriac (celery root)</td>
<td>Chicory</td>
<td>Citrus and tropical fruit crops (including but not limited to)</td>
<td>Small fruit and berry crops (including but not limited to)</td>
<td>Tree nut crops (including but not limited to)</td>
<td>HERBS AND SPICE CROPS (including but not limited to)</td>
<td>Cereal grain crops (including but not limited to)</td>
<td>Forage crops (including but not limited to)</td>
</tr>
<tr>
<td>Artichoke</td>
<td>Beet (garden, sugar)</td>
<td>Carrot</td>
<td>Cassava (bitter, sweet)</td>
<td>Celeriac (celery root)</td>
<td>Chicory</td>
<td>Citrus and tropical fruit crops (including but not limited to)</td>
<td>Small fruit and berry crops (including but not limited to)</td>
<td>Tree nut crops (including but not limited to)</td>
<td>HERBS AND SPICE CROPS (including but not limited to)</td>
<td>Cereal grain crops (including but not limited to)</td>
<td>Forage crops (including but not limited to)</td>
</tr>
<tr>
<td>Artichoke</td>
<td>Beet (garden, sugar)</td>
<td>Carrot</td>
<td>Cassava (bitter, sweet)</td>
<td>Celeriac (celery root)</td>
<td>Chicory</td>
<td>Citrus and tropical fruit crops (including but not limited to)</td>
<td>Small fruit and berry crops (including but not limited to)</td>
<td>Tree nut crops (including but not limited to)</td>
<td>HERBS AND SPICE CROPS (including but not limited to)</td>
<td>Cereal grain crops (including but not limited to)</td>
<td>Forage crops (including but not limited to)</td>
</tr>
<tr>
<td>Artichoke</td>
<td>Beet (garden, sugar)</td>
<td>Carrot</td>
<td>Cassava (bitter, sweet)</td>
<td>Celeriac (celery root)</td>
<td>Chicory</td>
<td>Citrus and tropical fruit crops (including but not limited to)</td>
<td>Small fruit and berry crops (including but not limited to)</td>
<td>Tree nut crops (including but not limited to)</td>
<td>HERBS AND SPICE CROPS (including but not limited to)</td>
<td>Cereal grain crops (including but not limited to)</td>
<td>Forage crops (including but not limited to)</td>
</tr>
<tr>
<td>Artichoke</td>
<td>Beet (garden, sugar)</td>
<td>Carrot</td>
<td>Cassava (bitter, sweet)</td>
<td>Celeriac (celery root)</td>
<td>Chicory</td>
<td>Citrus and tropical fruit crops (including but not limited to)</td>
<td>Small fruit and berry crops (including but not limited to)</td>
<td>Tree nut crops (including but not limited to)</td>
<td>HERBS AND SPICE CROPS (including but not limited to)</td>
<td>Cereal grain crops (including but not limited to)</td>
<td>Forage crops (including but not limited to)</td>
</tr>
</tbody>
</table>

# PeSTS: INSECTS, MITES, NEMATODES, THRIPS, and DISEASES

Use to control the following pests:

**Insects (Foliar)**
- Aphids: Cotton Aphid, Cowpea Aphid, Mustard Aphid, Okra Aphid, Pea Aphid, Green Peach Aphid, Potato Aphid, Rice Aphid
- Caterpillars: Armyworm, Alfalfa Wras, Bear Armyworm, Borers, Black Headed Caterpillar, Budworm, Cabbage Caterpillar, Cabbage Looper, Cotton Bollworm, Corn Earworm, Corn Rootworm, Cucumber, Fruitworm, Hornworm Leafroller, Leaf Porforator, Ear Cutting Caterpillar, Pickle Worm, Tobacco budworm, Tobacco Caterpillar, Webworm, Yellow Hairy Caterpillar, Diamondback Moth, Grape Berry Moth, Gypsy Moth
- Flies, Gnats, Midges: Fruit Fly, Gnat, Fungus Gnat, Brasica Pod Midge
- Grasshoppers, Leaffoppers: Brown Plant Hopper, Carolina Grasshopper, Leaffopper, Potato Leaffopper, Rice Brown Plant Hopper, Rice Grasshopper, Rice Green Leaffopper, Grape Leaffoper, Sharpshooter
- Leafminers: Leafminers of Ornamental Plants, Citrus Leafminer, Tomato Leafminer, Vegetable Leafminer
- Mealy Bugs, Scales: Citrus Mealy Bug, Mealy Bugs of Ornamental Plants and Grapes California Red Scale, Coffee Green Scale, San Jose Scale, Soft Scale, Yellow Scale
- Plant Bugs, Spittle Bug, Stink Bug, Tomato Stink Bug
- Plant Bugs, Spittle Bug, Stink Bug, Tomato Stink Bug
- Phytophthora: Asian Citrus Phylld, Pear Phylld, Potato Phylld
- Weevils: Black Vine Weevil, Boll Weevil, Pepper Weevil
- Whiteflies: Cabbage Whitefly, Cotton Whitefly, Sugarcane Whitefly, Banded Wing Whitefly, Citrus Whitefly, Silverleaf Whitefly, Greenhouse Whitefly

**Insect (Soil)**
- Grubs, Wireworms, Maggots: Field Wireworm, Wheat Wireworm, Lygus Bug Maggots, Onion Maggot
- Thrips: Avocado Thrip, Flower Thrip, Onion Thrip, Peanut Thrips, Grape Thrips, Tobacco Thrip, Western Flower Thrip

**Mites**
- Mites: Spider Mites, Two-Spotted Mites, Pacific Spider Mites

**Nematodes (Soil)**
- Nematodes: Dragger Nematode, Golden Nematode, Lance Nematode, Lesion Nematode, Root Knot Nematode, Sting Nematode, Soybean Cyst Nematode

**Diseases**
- Fungal: Alternaria, Anthracnose, Bight (ear), Bacterial, Botrytis, Mildew, Powdery
- Downy: Stem Mildew, Molds, Rusts, Scab, Southern Bight (Sclerotium rolfsii), Sour Rot on Grapes
- Fungal: Fusarium Oxysporum, Pythium, Rhizoctonia Solani