**THE ECOLOGY WORKS**

**SoluNeem**

A water soluble powder botanically derived from the neem plant, *Azadiractin indica*.

Active Ingredient:
- Azadirachtin: 4%
- Other Ingredients: 94%
- Total: 100%

Net Contents: 0.75 oz (21 grams, approx. 15 tsp).

See insert for Additional Precautionary Statements, First Aid and Directions for Use.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

EPA Reg. No. 81879-4-67419
EPA Est. No. 87403-NC-011
EPA Est. No. 85841-NC-1

*See batch code for actual establishment number*
SoluNeem is a pale yellow/white, amorphous powder containing 6% by weight Azadirachtin. It will instantly dissolve in water to give a solution that is ready for spray application for pest control. Non-Oil based and highly effective as a powder. Use SoluNeem for pre-harvest treatment of fruits and vegetables in case of sudden pest infestations. SoluNeem is effective on a very wide spectrum of insects and pests as listed on this label. Use SoluNeem on a wide variety of plants as listed indoors and outdoors. If plans are made to use SoluNeem on fruit trees not listed on this label, it is recommended that a small area such as a leaf, stem, or branch be tested first, and checked several days later to make sure that leaf wilting or damage does not occur. When used as directed, SoluNeem will destroy targeted insect larvae when they (1), spray peptides, or (2), come in contact with the spray. SoluNeem eliminates insects by stopping the insect’s growth, and is effective on all insects listed, insect larval stages and pupae.

**COMPATIBILITY**

SoluNeem has been found to be compatible with the most commonly used non-alcaline insecticides, fungicides and water soluble fertilizers in the neutral pH range. Check compatibility by using the correct proportion of each of the products application rate in a quart or gallon container. Solubilize SoluNeem first in the mixture. 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, test compatibility for both new and previously used combinations. Avoid mixtures of several materials and very concentrated spray mixtures. Do not use SoluNeem with Bordeaux mixture, triethylphosphate hydroxide, lime sulfur, Pyrethrin insecticides, or other highly alkaline materials. Use mildly alkaline mixtures immediately after mixing to prevent loss of insecticidal activity. When using SoluNeem in combination with other products, use SoluNeem at the rate, or half the rate, specified in the Use Rate Table. Follow the directions for use, precautions and limitations in use on the entire product labels used in the combination. Some suggested tank mix combinations are as follows: SoluNeem plus endosulfan®, SoluNeem plus chlorpyrifos®, SoluNeem plus acephate®, SoluNeem plus Bacillus thuringiensis® (Bt), SoluNeem plus bifenthrin®, SoluNeem plus esfenvalerate®, SoluNeem plus abamectin®, SoluNeem plus diflubenzuron®, SoluNeem plus pyrethrum + piperonyl butoxide (for fogging use)® Always follow the manufacturer’s Directions for Use and Precautionary Statements. Use SoluNeem on vegetables, coconut palms and other food crops with such chemicals as Endosulfan.

**APPLICATION INSTRUCTIONS**

SoluNeem is exempt from tolerances and may be applied as directed to any food crop up to and including the day of harvest at a rate not exceeding 0.75 lb (20 grams active ingredient) per acre per application.

**READ ALL DIRECTIONS AND PRECAUTIONS BEFORE USE**

To apply SoluNeem select a suitable power or pump pressure by sprayer or a hand held trigger style sprayer that will deliver a forceful, fine, leaf, fruit covering, wetting, spray mist. To get thorough spray coverage on waxy or pubescent plant surfaces the addition of small amount of a suitable sticker agent (such as Nufilm F) added to the spray mix, at the recommended rates may give better foliage, insect coverage and control. APPLICATION METHOD AND EQUIPMENT: Apply SoluNeem as a foliar spray or a drench to soil or soil less media (e.g., greenhouse and mushroom houses) to control insects and nematodes. When needed, drench soil to control soil borne pests, including soil-borne larvae of fowl insect pests. When applying as a drench, avoid excessive leaching. Apply SoluNeem through sub-surface soil treatment equipment (e.g. turf grass). To repel adult flies, apply through fogging equipment. Always follow equipment manufacturer’s use directions. Apply SoluNeem by using any powered or manual pesticide application equipment, which includes but is not restricted to: high-volume, low-volume, ultra-low volume, electro-static, fogging, and chemigation. Follow the original manufacturer’s recommen-dations when using these types of equipment. For optimum results, 2 to 3 applications made at 7 to 10 day intervals is recom-mended, unless otherwise specified. Foliar applications should be made to both sides of leaves. In addition, a sticker agent used as per the manufacturer’s recommendations may improve product performance.

**SOLUENEEM USE RATE RECOMMENDATIONS FOR KEY PESTS BY USE SITE**

SoluNeem label rates specify dry ounce (weight)/acre (high rate) and tsp or tbsp/1000 sq. ft. (low rate). These label rates provide a high and low dose application of SoluNeem.

**Abbreviation & Conversion Table**

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Conversion</th>
</tr>
</thead>
<tbody>
<tr>
<td>tsp</td>
<td>teaspoon</td>
</tr>
<tr>
<td>tbsp</td>
<td>tablespoon</td>
</tr>
<tr>
<td>A</td>
<td>acre</td>
</tr>
</tbody>
</table>

3 tsp = 1 tbsp
1 A = 43,560 sq. ft.

(continued on reverse side)
<table>
<thead>
<tr>
<th>PEST</th>
<th>RATE: Soluneem oz/acre x tsp/1,000 sq. ft.</th>
<th>COMMENTS FOR SPRAY, DRENCH OR CHEMIGRAZION.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Whiteflies, such as: Green-house whiteflies, Silverleaf whiteflies, Wooly whiteflies.</td>
<td>6 oz in 50 gal water/A 1 tsp/1 gal water/1000 sq. ft.</td>
<td>Make sure that spray covers upper, lower and all surfaces of leaves fruit and twigs.</td>
</tr>
<tr>
<td>Leaf miners, such as: Azalea leaf miners, Birch leaf miners, Citrus leaf miners, Serpentine leaf miners.</td>
<td>6 oz in 50 gal water/A 1 tsp/1 gal water/1000 sq. ft.</td>
<td>Apply to new growth in spring before new larvae enter plant foliage. Repeat application at 10 to 14 days intervals if new infestations are expected.</td>
</tr>
<tr>
<td>Scale, Crawlers: such as: Brown soft scale, Calhounia red scale, Coffee Scale, Olive Scale, San Jose Scale</td>
<td>6 oz in 50 gal water/A 1 tsp/1 gal water/1000 sq. ft.</td>
<td>Make sure to thoroughly spray upper, lower and all surfaces of leaves and twigs.</td>
</tr>
<tr>
<td>Meal Bugs such as: Meal bugs</td>
<td>6 oz in 50 gal water/A 1 tsp/1 gal water/1000 sq. ft.</td>
<td>Spray to thoroughly cover twigs and leaves.</td>
</tr>
<tr>
<td>Thrips, such as: Citrus thrips, Onion thrips, thrips palmi.</td>
<td>6 oz in 50 gal water/A 1 tsp/1 gal water/1000 sq. ft.</td>
<td>Spray in spring when young nymphs first appear on foliage.</td>
</tr>
<tr>
<td>Aphids, such as: Coton aphids, Green peach aphids, Pea aphids, Potato aphids.</td>
<td>6 oz in 50 gal water/A 1 tsp/1 gal water/1000 sq. ft.</td>
<td>Spray to wet lower side of leaves when “leaf curl” first appears.</td>
</tr>
<tr>
<td>Psyllids, such as: Pear psylla.</td>
<td>6 oz in 50 gal water/A 1 tsp/1 gal water/1000 sq. ft.</td>
<td>Spray for new “instar” nymphs appearing on new discolorated foliage.</td>
</tr>
<tr>
<td>Bugs, Nymphs of: such as Box Elder bugs, Chinch bugs, Lygus bugs, Spittle bugs, Stink bugs.</td>
<td>6 oz in 50 gal water/A 1 tsp/1 gal water/1000 sq. ft.</td>
<td>Spray early when nymphs are young. Soluneem will control “instar” growth until they die.</td>
</tr>
<tr>
<td>Flies, Larvae of: such as: Blueberry maggot, Cherry maggot, Crane flies, Fruit flies, Midges, Onion maggots, Tip worms, Walnut husk fly larvae.</td>
<td>6 oz in 50 gal water/A 1 tsp/1 gal water/1000 sq. ft.</td>
<td>For food and Non food crops spray when larvae first appear.</td>
</tr>
<tr>
<td>Sawflies, Larvae of: such as: European Pine Sawflies, Yellow Headed pine sawflies.</td>
<td>6 oz in 50 gal water/A 1 tsp/1 gal water/1000 sq. ft.</td>
<td>Spray when first larvae appear when plants start new growth.</td>
</tr>
<tr>
<td>Caterpillars, such as: Armyworms, Artichoke plume moth, Bagworms, Bollworms, Budworms, Cabbage butterflies, Cabbage looper, Cankerworms, Casemires, Corn Earworms, Cutworms, Diamond back moths, Fireworms, Fruitworms, Grapeleaf skeletonizer, Gypsy moths, Hornworms, Imported cabbage worm, leaf perforators, Leechfitters, Melonworms, Navel orange worms. Oblique banded Leaf cutters, Oriental fruit moths, Pickleworms, Pine tip moths, Pinworms, Red banded leaf rollers, Sod webworms, Soybean leafer, Tant Caterpillars, Tobacco bud worms, Tussock moth larvae.</td>
<td>6 oz in 50 gal water/A 1 tsp/1 gal water/1000 sq. ft.</td>
<td>Spray when first larvae worms appear. Repeat applications in 7 to 10 days. For continued pest control in the spring or when fall insect infestations are expected spray ornamentals and other plants at intervals of 2 to 3 weeks.</td>
</tr>
<tr>
<td>Beetles, Larvae of: such as: Dark beetles, Blueberry Pine beetles, Bolt weevils, Colorado potato beetles, Flea beetles, Japanese beetles, Leaf beetles, Mexican bean beetles. Phylloxera, Rose Chafers, Twig girdlers.</td>
<td>6 oz in 50 gal water/A 1 tsp/1 gal water/1000 sq. ft.</td>
<td>Spray when pests first appear. For Food crops, Repeat application after 7 to 10 days. Do no use with oil Make sure that all plant surfaces are thoroughly sprayed treated. Repeat in 5 to 7 days if required.</td>
</tr>
</tbody>
</table>

**USE SITES FOR SOLUNEEM**

Soluneem can be used on green-house: food crops, such as: **Brassica (cole) crops, cucurbits, eggplants, herbs and spices, legumes, peppers, tomatoes.**

**MUSHROOMS, VARIETIES such as:** Agaricus, enoki, maitake, oyster, shiitake and other specialty mushrooms.

**Fruit**

**Vegetables**

**Cereal grains** such as: Barley, wheat, corn, millet, oats, quinoa, rice, rye, sorghum, teosintes, triticale hybrids, wild, white rice.

**Berries** such as: Blackberries, blueberries, currants, cranberries, elderberries, gooseberries, huckleberries, loganberries, raspberries, strawberries, youngberries.

**Citrus fruits** such as: Calamondins, citrus, citrus hybrids, grapefruits, Kumquats, Lemons, Limes, Mandarins, Oranges, pummelos, satsuma mandarins.

**Peanuts** such as: Arachis, cajanus, gossypium, maya, peanut, pecan, pignut, soybeans, sword beans.

**Stone fruits** such as: Apricots, cherries, nectarines, peaches, plums, prunes.

**Berries** such as: Blackberries, blueberries, currants, cranberries, elderberries, gooseberries, huckleberries, loganberries, raspberries, strawberries, youngberries.

**Cereal grains** such as: Barley, wheat, corn, millet, oats, quinoa, rice, rye, sorghum, teosintes, triticale hybrids, wild, white rice.

**Hers and spices including but not limited to:** Allspice, anise, anise, anisata, balm, basil, black and white peppers, borage, burnet, camomile, caper buds, cardamom, caraway, cassia, catnip, celery seeds, chili, chives, cinnamon, clove, cloves, coriander (cilantro), costmary, cumin, fennel, fennel seeds, fennel greens, grains of paradise, horehound, hyssop, juniper berry, lavender, lemongrass, lovage, mace, marigolds, majoram, mustard seeds, nutmeg, nutmeg, parsley, pimento, pepper (black & white), poppy seeds, rosemary, rue, salvia, sage, savory, sweet bay (bay leaf), tansy, tarragon, thyme, vanilla, wintergreen, woodruff, wormwood.

**Plant vegetables** such as: garlic, leek, onions, shallots.

**Nuts** such as: Almonds, beechnuts, Brazil nuts, butternuts, cashews, chestnuts, chinquapins, coconuts, filberts, hickory nuts, macadamia, pecans, pistachios, walnuts.

**Oilseed crops** such as: Canola, castor, cimarron, crambe, guinea, peanuts, rape, safflower, sesame, soybean, sunflower.

**Tropical fruits** such as: Atemoya, bananas, breadfruits, cherimoyas, durians, guavas, malangas, mangos, papayas, passionfruits, starfruits.

**Other food & non-food crops** such as: Asparagus, avocados, birdseed, cacao, coffee, edible flowers, flax, foxgloves, grapes, guavas, hops, kiwis, olives, oranges, papayas, pawpaws, persimmons, pineapples, rambutans, sugarcane, tamarillos, tea, tobacco, water chestnuts, watercress.

**Ornamental Plants** such as: African violets, ageratum, aix, aucuba, begonia, cactus, caladii, calamint, canna, chrysanthemums, cineraria, coleus, cyclamens, daffodils, dahlias, delphiniums, foxglove plants, fuchsia, gardenia, geranium, gloxinia, hibiscus, hydrangeas, iris, iry, lily, maidenhair fern, margold, narcissi, orchid, passion, pelargonium, periwinkle, phlox, phlomis, pittosporum, poinsettia, pyracantha, rubber plant, snapdragon, stocking, tulip, wandering, jay, yew, yucca, zinnia.

**Ornamental Trees and Shrubs** such as: Andromeda, Arboretum, ash, Australian pine, azalea, beech, birch, birkensthiel, bluea, boxwood, boykinia, broom, boxwood, butternut, camellia, cedrus, chamacyporus, dogwood, Douglas firs, elm, eucalyptus, evergreen, forsythia, hackberry, hawthorn, hemlock, hickory, holly, honeylocust, horsechestnut, ilex, juniper, laurel, lilac, linden, London plane, magnolia, manitua, maple, mimosa, mountain ash, myrt, oak, pachysandra, peach, pine, Prunus, pine, plane, poplar, privet, quince, rhododendron, roses, sycamore, white cedar and white pine.
**SOLUNEEM APPLICATION FOR TRUNK INJECTION**

**Directions for Use**
Inject into the trunk flare or within 28” of the soil level. Place the injection sites in the first few sapwood elements (growth rings). Drill holes using a clean sharp drill bit (brad point drill bits are recommended). Drill through the bark and into the sapwood. Drill a minimum of 16 mm (5/8”) into the sapwood. Trunk inject product into the tree’s sapwood, the conductive tissue that moves water to the canopy.

**Application Equipment**
SoluNeem may be used with tree injection devices that meet the label requirements. For all injection systems, read carefully and follow the manufacturer’s directions for use.

**Calculating Application Rate**
The dosage and number of application sites are based on tree diameter (DBH). To determine the number of application sites and dose rate per tree:

1. **Determine the Tree Diameter (DBH):**
   Measure the tree diameter in inches (or centimeters) at chest height (54” (135 cm)) from the ground to find the diameter at breast height (DBH). If measuring tree circumference, divide the circumference by 3 to obtain the DBH.

2. **Calculate # of Injection Sites:**
   Calculate the number of injection sites by dividing the DBH in inches by 2 (or cm DBH by .5). This is equivalent to one drill hole for every 6” (15 cm) of tree circumference. Calculate the number of injection sites by dividing the DBH in inches by 3 (or cm DBH by 7.5). This is equivalent to one drill hole for every 8” (20 cm) of tree circumference.

3. **Determine the Dose:**
   Measure the amount of SoluNeem needed following the table: Use Rate Recommendations for Tree Injection.

In resinsous conifers (such as pine and spruce) you may inject each site shortly after drilling to avoid slow uptake on account of resin flow.

**In palms, only one injection site is generally required.**

1. Locate the application site 1”-3” (30-90 cm) from the soil level.
2. Drill depth is 1/3 the total diameter or 4” (10 cm) deep into the stem (whichever is less).
3. Refer to table: Use Rate Recommendations for Palm Injection for dosages to apply.

**Application Equipment**
SoluNeem may be used with the devices that meet the label requirements. For all injection systems, read carefully and follow the manufacturer’s directions for use.

**Recommendations for Tree Injection.**

1. Inject 4 mLs of solution every 6” (15 cm) of stem circumference in trees <8’ DBH (20cm).
2. Inject 8 mLs of solution every 6” (15 cm) of stem circumference in trees 8’-16’ DBH (15-40cm).
3. Inject 16 mLs of solution every 6” (15 cm) of stem circumference in trees >16’ DBH (>40cm).

**USE RATE RECOMMENDATIONS FOR TREE INJECTION**

<table>
<thead>
<tr>
<th>DBH* cm DBH</th>
<th>mL DBH</th>
<th>Milliliters of water/mL/inch DBH</th>
<th>Average Number of Injects/mL</th>
<th>mL/Injct.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>12.5</td>
<td>2</td>
<td>12</td>
<td>2</td>
</tr>
<tr>
<td>6</td>
<td>15.0</td>
<td>2</td>
<td>12</td>
<td>2</td>
</tr>
<tr>
<td>7</td>
<td>17.5</td>
<td>2</td>
<td>16</td>
<td>2</td>
</tr>
<tr>
<td>8</td>
<td>20.0</td>
<td>4</td>
<td>24</td>
<td>3</td>
</tr>
<tr>
<td>9</td>
<td>22.5</td>
<td>4</td>
<td>30</td>
<td>3</td>
</tr>
<tr>
<td>10</td>
<td>25.0</td>
<td>4</td>
<td>43</td>
<td>3</td>
</tr>
<tr>
<td>11</td>
<td>27.5</td>
<td>6</td>
<td>38</td>
<td>3</td>
</tr>
<tr>
<td>12</td>
<td>30.0</td>
<td>6</td>
<td>36</td>
<td>3</td>
</tr>
<tr>
<td>13</td>
<td>32.5</td>
<td>6</td>
<td>42</td>
<td>3</td>
</tr>
</tbody>
</table>

**USE RATE RECOMMENDATIONS FOR PARI PALM INJECTION**

<table>
<thead>
<tr>
<th>Canopy or Tree Size</th>
<th>Tsp SoluNeem</th>
<th>Milliliters of water</th>
<th>Minimum Number of Injection Points Needed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small Canopy or Tree</td>
<td>2</td>
<td>10</td>
<td>1</td>
</tr>
<tr>
<td>Medium Canopy or Tree</td>
<td>4</td>
<td>10</td>
<td>1</td>
</tr>
<tr>
<td>Large Canopy or Tree</td>
<td>6</td>
<td>30</td>
<td>1</td>
</tr>
</tbody>
</table>

**DOSE/RATE SPRAY APPLICATIONS**

**Directions for Use**
SoluNeem is measured in dry ounces (weight) and approximate teaspoons for each packet size. Packet sizes come in depending on the type of pest and timing of treatment you may use low, medium, or high rates of application. **NOTE: Low Rates are recommended for preventative treatments before signs of insects. Medium Rates are recommended for most treatments for preventative to medium infestations when pests are present. High Rates are recommended for difficult to manage pests or for heavy infestations.**

**SoluNeem packet recommendations for mixing, and dosing in spray applications.**

**Packet sizes are recommended by using the most economical size and no partial packets.**

<table>
<thead>
<tr>
<th>Sq. Ft.</th>
<th>SoluNeem</th>
<th>Water</th>
<th>SoluNeem</th>
<th>Water</th>
<th>SoluNeem</th>
<th>Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,000</td>
<td>(1) 2 tsp packet</td>
<td>1-2 gal</td>
<td>(2) 2 tsp packets</td>
<td>1-4 gal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5,000</td>
<td>(3) 2 tsp packets</td>
<td>5-10 gal</td>
<td>(5) 2 tsp packets</td>
<td>5-10 gal</td>
<td>(1) 0.75 oz packet</td>
<td>10-20 gal</td>
</tr>
<tr>
<td>10,000</td>
<td>(5) 2 tsp packets</td>
<td>10-20 gal</td>
<td>(1) 0.75 oz Packet</td>
<td>10-20 gal</td>
<td>(2) 0.75 oz packets</td>
<td>20-40 gal</td>
</tr>
<tr>
<td>20,000</td>
<td>(1) 0.75 oz packet</td>
<td>20-40 gal</td>
<td>(2) 0.75 oz packets</td>
<td>20-40 gal</td>
<td>(4) 0.75 oz packets</td>
<td>50-100 gal</td>
</tr>
<tr>
<td>(1 Acre)</td>
<td>43,560</td>
<td>(5) 0.75 oz packets</td>
<td>50-100 gal</td>
<td>(4) 0.75 oz packets</td>
<td>50-100 gal</td>
<td>(4) 0.75 oz packets</td>
</tr>
</tbody>
</table>

**Low Rate:** 0.07 oz. (approx. 2 tsp) / 2-4 gal of water/ 2,000 sq. ft or
**Medium Rate:** 0.07 oz. (approx. 2 tsp) / 1-2 gal of water/ 1,000 sq. ft
**High Rate:** 0.14 oz. (approx. 4 tsp) / 2-4 gal of water/ 1,000 sq. ft

**RE-SEALABLE MYLAR PACKETS**
SoluNeem is sealed in mylar packets to ensure air tight and water tight seal to protect powdered SoluNeem. Carefully open mylar packet and dispense the powder into the mixing tank. You can use the entire contents or you can measure a partial amount to meet mixing and rates specified for application. Airborn powder: You can reduce the amount of airborn, powder by avoiding windy conditions, using the entire contents of packet, and by emptying contents into a partially filled tank. Agitate tank mix. It's recommended to use a sticking agent to increase product coverage on plant tissue.
CHEMIGATION OF SOLUNEEM

General Information
Apply this product only through drip (trickle) or sprinkler (center pivot, lateral move, end tow, side roll, traveler, big gun, solid set, or heavy move), flood (basin) irrigation systems. 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 manufacture's or other experts. Do not connect an irrigation system (including greenhouse systems) used for pest control 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.

Solutions: Soluneem: with water before introduction into the system; use the diluted mixture within 8 hours. Do not apply in irrigation water if the pH exceeds 7.0. The optimum pH for application is a range of 5.5 to 6.5. If needed, the pH of the irrigation water can be adjusted by use of a suitable buffering agent. Agitation is necessary. Apply at the rate stated in the Directions for Use using sufficient water to achieve an even distribution within an 8 hour period. Do not apply Soluneem at a rate that exceeds 20 grams active ingredient per acre. If applying Soluneem in combination with other products refer to the compatibility statement in the Directions for Use section.

OBSERVE THE FOLLOWING PRECAUTIONS IF YOUR CHEMIGATION SYSTEM IS CONNECTED TO A PUBLIC WATER SYSTEM
Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of a year. Chemigation systems connected to the public water systems must contain a functional, reduced-pressure zone (RPZ), backflow prevention the functional equivalent in the water supply line from the point of pesticide introduction. There shall be a complete physical barrier (air gap) between the outlet end of the fill pipe and the top of the overflow rim of the reservoir tank at least twice the inside diameter of the fill pipe. The pesticidal injection pipeline, 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, or in the case where there is not a water pump, 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. Do not apply when wind speeds favor drift beyond the area intended for treatment.

STATEMENTS CONCERNING THE OPERATION OF SPRINKLER CHEMIGATION; DRIP (TRICKLE), UTILIZING A PRESSURIZED WATER AND PESTICIDE INJECTION SYSTEM
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. When the irrigation line or water pump must include a functional pressure switch that 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 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. Do not apply when wind speed favors drift beyond the area intended for treatment.

STATEMENTS CONCERNING THE OPERATION OF FLOOD (BASIN) IRRIGATION UTILIZING GRAVITY FLOW OR PRESSURIZED WATER AND PESTICIDE INJECTION SYSTEM.
Systems utilizing 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 drip 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 interlocking 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.

STORAGE AND DISPOSAL
Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Do not store this product above 100°F or below 20°F for extended periods of time. Store product in the original labeled container in a cool, dry, locked place out of reach of children. Keep containers tightly closed when not in use.

PESTICIDE DISPOSAL: Pesticide wastes may be hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned out of smoke.

IMPORTANT: PLEASE READ BEFORE USE
To the extent consistent with applicable laws, SoluNeem, Inc. warrants that (a) this product conforms to the chemical description on its label, (b) this product is reasonably fit for the purposes stated on its label, subject to the inherent risks referred to herein, when used in accordance with its directions; and (c) that the directions, cautions and other statements on this label are based upon reasonable tests of effectiveness, of toxicity to laboratory animals and plants, and upon reports of field experience. Testing has not been performed on all varieties of food crops, and plants, in all states, or under all application, weather and crop conditions. There are no express warranties other than those set forth herein. SoluNeem, Inc. neither makes nor intends, nor does it authorize any agent or representative to make, any other warranty, express or implied. SoluNeem, Inc. expressly excludes and disclaims all implied warranties of merchantability, fitness for particular purpose, or any other representation of quality of performance. This warranty does not extend to, and the user shall be solely responsible for, any loss or damage that results from the use of this product in any manner that is inconsistent with this label's directions, or cautions.

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