**Neemix® 4.5**

**INSECT GROWTH REGULATOR**

**BIOLOGICAL INSECTICIDE**

An Insecticide for Use on Vegetables, Fruits, Turf (Including Commercial Lawns), and other Crops Grown in the Field or In and Around Commercial Nurseries, Greenhouses, and Mushroom Houses. Kills/repels a variety of insect pests including whiteflies, loopers, caterpillars, leafminers, psyllids, mealybugs, and larvae of diamondback moths.

**ACTIVE INGREDIENT:**

Azadirachtin .......................................................... 4.5%

OTHER INGREDIENTS: .......................................................... 95.5%

**TOTAL:** .......................................................... 100.0%

This product contains 0.39 lb. (175 g.) of azadirachtin per US gallon.

**KEEP OUT OF REACH OF CHILDREN**

Si usted no entiende la etiqueta, busque a alguien para que se la explique en detalle.

(If you do not understand this label, find someone to explain it to you in detail).

See attached booklet for additional Precautionary Statements, First Aid Statements, Directions for Use, and Storage and Disposal Statements.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Avoid contact with skin, eyes or clothing. Harmful if swallowed or inhaled. Avoid breathing vapors or spray mist. 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.

**FIRST AID**

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, at the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

If swallowed: Call a 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 told to do so by a poison control center or doctor. Do not give anything to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**Personal Protective Equipment**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category C on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride (PVC), or Viton.
- Shoes plus socks
- Protective eyewear
- Mask/face shield
- Protective clothing

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product’s concentrate. Do not re-use them.

**User Safety Recommendations**

Users Should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing.
- As soon as possible, wash thoroughly and change into clean clothing.

**Environmental Hazards**

This product may be hazardous to fish and aquatic invertebrates. For terrestrial uses: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

**Physical and Chemical Hazards**

Combustible: Do not use or store near heat or open flame.

**Directions for Use**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**Agricultural Use Requirements**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow workers entry into treated areas during the restricted entry interval (REI) of 4 hours.

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, wear:

- Coveralls.
- Chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinylchloride (PVC), or Viton.
- Shoes plus socks.
- Protective Eyewear

**Non-Agricultural Use Requirements**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standards for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, 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.

**Preharvest Interval**

NEEMIX® 4.5 can be applied up to and including the day of harvest (zero PHI). Individual state regulations may vary and should be consulted for allowable preharvest interval.

**Mode of Action**

This product controls targeted insect larvae when they ingest or come in contact with it, by interfering with the insect’s ability to molt. It is effective on all larval or nymphal stages. It also reduces crop damage by repelling and deterring feeding of all stages of insects.

**Spray Equipment**

Use any suitable ground, aerial, or hand application equipment that allows for uniform coverage of the targeted treatment area.

**General Information**

- Broad Spectrum Insect Growth Regulator Insecticide
- Not for use in food-handling establishments.
- Shake well before using.
- Kills only immature stages (larvae or nymphs) of insects. Treated larvae may die as pupae.
- Make applications when pests first appear and are in their early larval stages. Repeat applications every 7 days as needed.
- Use in early to mid-morning or late afternoon.
- The pH of spray solution containing NEEMIX® 4.5 must be kept between 3 and 8. Use spray solutions within several hours of preparation for maximum effectiveness. Do not store diluted solution for later use.
- Do not apply to wet or otherwise stressed plants, or to newly transplanted material prior to root establishment.
- Do not apply to known spray sensitive plants without testing.
- NEEMIX® 4.5 has been found to be compatible when used in conjunction with most beneficial insects. Conduct a small trial to assure compatibility before using on a large scale.
- Use with care when applying near streams, ponds, lakes or bodies of water.
- NEEMIX® 4.5 when weather conditions favor drift or the likelihood of runoff is high.
- For best results, add a spreader-sticker or oil-based adjuvant (such as methylated seed oil) at the label rate.

This product may be pre-mixed in a supply tank with water, fertilizer or other appropriate agricultural chemicals. Agitation is necessary (see Mixing Directions). Crop injury or lack of effectiveness can result if uniform distribution is not achieved. When pest populations are high, use the higher label rates.
TANK MIXING
NEEMIX® 4.5 Insect Growth Regulator, has been found to be compatible with most commonly used fungicides, insecticides, and fertilizers. Check physical compatibility first by using the correct proportion of products in a small jar test. Then, test tank-mix combinations for phototoxicity on a sample of plants prior to use. This must be done with combinations used before as environmental conditions can alter the interaction between compounds. Due to the wide variation in climatic conditions, cultural practices, and other factors, the user assumes full responsibility for any crop damage or other liability resulting from the use of NEEMIX® 4.5 in a tank mix combination. Do not mix NEEMIX® 4.5 with oxidizing agents such as bleach, or strong acids and bases as they will destabilize the product.

DIRECTIONS FOR USE ON FIELD-GROWN FOOD CROPS

GENERAL DIRECTIONS:
Use care when applying near streams, ponds, lakes or other bodies of water. Do not apply NEEMIX® 4.5 when weather conditions favor drift or when the likelihood of runoff is high.

SPECIFIC CROPPEST DIRECTIONS:
Application Rate: Apply 0.25 – 1 pint (4 – 16 fl. oz.) of NEEMIX® 4.5 per acre using suitable ground or aerial application equipment, in a manner to obtain uniform and complete plant coverage. For agronomic crops apply using conventional ground application equipment in a minimum of 30 gallons of water and aerial application equipment in a minimum of 3 gallons of water. Avoid over-spraying to the point of excess runoff. Refer to the table below for application rates according to growing conditions. Use a preventative when pest pressure is low, or if used in conjunction with adulticides. Otherwise, use the high rate. The maximum application rate is 20 grams active ingredient or less per acre according to the tolerance exemption (40 CFR 180.1119).

Application Rates for Whirliges, Aphids, Leafminers, Worms, and Other Pests

<table>
<thead>
<tr>
<th>Pest</th>
<th>Rate of Neemix® 4.5 Per Acre*</th>
<th>Frequency</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Whirliges: Low Pressure</td>
<td>4 – 7 fl. oz.</td>
<td>4 – 10 days</td>
<td>Foliar application against nymphs</td>
</tr>
<tr>
<td>High Pressure</td>
<td>8 – 16 fl. oz.</td>
<td>3 – 7 days</td>
<td></td>
</tr>
<tr>
<td>Aphids</td>
<td>5 – 7 fl. oz.</td>
<td>7 – 10 days</td>
<td>Suppression of nymphs and adult feeding deterrence</td>
</tr>
<tr>
<td>Leafminers (Linomyza spp. and Citrus Leafminer Phyllocnistis citrella)</td>
<td>4 – 7 fl. oz.</td>
<td>14 – 21 days</td>
<td>Foliar application against larvae and nymphs</td>
</tr>
<tr>
<td>Lepidoptera larvae (caterpillars or moths) feeding on foliage or fruit</td>
<td>4 – 10 fl. oz.</td>
<td>7 – 10 days</td>
<td>Foliar application against larvae</td>
</tr>
<tr>
<td>Others (including): Borer, Leafhoppers, Leafrollers, Looper</td>
<td>7 – 16 fl. oz.</td>
<td>7 – 10 days</td>
<td>Foliar application against larvae or nymphs</td>
</tr>
</tbody>
</table>

*Apply in sufficient water to obtain adequate plant coverage, typically 30 – 100 gallons per acre by ground or 3 – 5 gallons per acre by air.

DIRECTIONS FOR USE IN GREENHOUSES (OR OTHER COVER) AND PLANT NURSERIES

For Use on Vegetables, Melons, Strawberries, and Other Food Crops Raised for transplanting to production Fields. For Use on Bearing and Nonbearing Fruit and Nut Trees, Grapevines, Caneberrys, and Other Small Fruits. Apply NEEMIX® 4.5 at the indicated rates in sufficient water to ensure adequate plant coverage. Use 1-2 gallons of spray solution per 1,000 square feet, or a minimum of 30 gallons of water per acre for conventional application equipment (3 gallons of water per acre for low/ultralow volume equipment).

Pest controlled by NEEMIX® 4.5 | Rate of Neemix® 4.5 per 100 gallons of water | Remarks |
<table>
<thead>
<tr>
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<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Aphids</td>
<td>10 – 16 fl. oz.</td>
<td>Foliar application for suppression and adult feeding deterrence.</td>
</tr>
<tr>
<td>Armyworms</td>
<td>4 – 16 fl. oz.</td>
<td>Foliar application against larvae.</td>
</tr>
<tr>
<td>Borer, including Peach Twig Borer, Peachtree Borer, and Squash Vine Borer</td>
<td>4 – 16 fl. oz.</td>
<td>Foliar application against young larva before boring or tun- neling in the plant.</td>
</tr>
<tr>
<td>Caterpillar, Looper, and other Lepidoptera Larvae (worms)</td>
<td>4 – 16 fl. oz. (Except as noted at right)</td>
<td>Foliar application against larvae feeding externally on leaves, fruits, other external plant parts.</td>
</tr>
<tr>
<td>Colorado Potato Beetle &amp; other leaf-feeding beetles</td>
<td>4 – 16 fl. oz.</td>
<td>Foliar application against leaf-feeding larvae.</td>
</tr>
<tr>
<td>Cutworms</td>
<td>5 – 16 fl. oz.</td>
<td>Foliar application against larvae feeding on leaves or stems.</td>
</tr>
<tr>
<td>Leaffoppers</td>
<td>10 – 16 fl. oz.</td>
<td>Foliar application against nymphs.</td>
</tr>
<tr>
<td>Leafminers: Linomyza spp. and Citrus Leafminer (Phyllocnistis citrella)</td>
<td>6 – 16 fl. oz.</td>
<td>Foliar application against larvae feeding. Mix with approved oil- based adjuvant for best results.</td>
</tr>
<tr>
<td>Lefloateers</td>
<td>4 – 16 fl. oz.</td>
<td>Foliar application against larvae.</td>
</tr>
<tr>
<td>Scares</td>
<td>6 – 16 fl. oz.</td>
<td>Foliar or stem application targeting caterpillar stages.</td>
</tr>
<tr>
<td>Whitelines</td>
<td>6 – 16 fl. oz.</td>
<td>Foliar application against nymphs. Spray should be directed to undersides of leaves.</td>
</tr>
</tbody>
</table>

*When using lower rates (less than 10 fl. oz.), combine NEEMIX® 4.5 with an approved adjuvant such as a non-phytotoxic crop oil, up to 5% for improved spray coverage and translaminar uptake. Always use sufficient spray volume to ensure good coverage of all plant parts. Treat early and target youngest larvae or nymphs for best control. Repeat applications every 7-10 days or as needed to control target pest.

DIRECTIONS FOR COMMERCIAL LAWS AND TURF

For use to control cutworms, armyworms, sod webworms, crickets, chinch bugs, leaffoppers, and grasshoppers. Apply at first sign of pest presence or damage to turf. Do not apply if rain is forecast within the next 24 hours.

Apply 1 quart – 3 gallons of NEEMIX® 4.5 per acre (0.75 – 9 fluid ounces per 1,000 square feet) using enough spray volume to obtain thorough coverage and penetration of the turf canopy. Use 2 – 5 gallons of diluted material per 1,000 square feet, or 50 – 100 gallons of diluted material per acre. The treated area may be lightly irrigated for 3 – 5 minutes after application if desired to increase penetration of the turf surface. Do not water turf again within 24 hours after application. Reapply as needed to maintain control of turf damage. Be sure to treat under shrubs and plants bordering houses or other structures.

Subsurface-Feeding Insects: Mow and irrigate turf prior to application. The treated area may be lightly irrigated for 3 – 5 minutes after application if desired to increase penetration of the turf surface. Do not water turf again for 2 days after application. Reapply as needed to maintain control of turf damage. Be sure to treat under shrubs and plants bordering houses or other structures.

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

PESTICIDE STORAGE: Do not store above 100°F or below -20°F for extended periods of time. Keep containers tightly closed when not in use.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Non-refillable container. Do not re-use or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank, then pour 10 gallons after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour remaining into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY
Certis USA, L.L.C. warrants that the material contained herein conforms to the description on the label and is reasonably fit for the purposes referred to in the directions for use. Timing and method of application, the weather, growing conditions, pests, scouting conditions, crops, the insect or disease problem, nature of soil, the insecticidal, herbicidal or fungicidal activity of the product, the compatibility with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. To the extent consistent with applicable law, buyer assumes all risks of use, storage or handling of this material without regard to directions given herein. NO OTHER EXPRESS OR IMPLIED WARRANTY OF THE FITNESS OR MERCHANTABILITY IS MADE.

INSECTS AND OTHER PESTS CONTROLLED BY NEEMIX® 4.5

<table>
<thead>
<tr>
<th>Aphids, such as:</th>
<th>Apple Aphid, Green Apple Aphid, Cabbage Aphid, Cotton Aphid</th>
<th>Filbert Aphid, Potato Aphid, Wooly Apple Aphid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Endosulfan</td>
<td>Colorado Potato Beetle, European Corn Borer, and Squash Vine Borer</td>
<td>Peanut Weevil, Potato Flea Beetle, Strawberry Beetles</td>
</tr>
<tr>
<td>Leafhoppers:</td>
<td>Colorado Potato Beetle, European Corn Borer, and Squash Vine Borer</td>
<td>Mexican Bean Beetle, Wireworms</td>
</tr>
<tr>
<td>Leafminers:</td>
<td>Colorado Potato Beetle, European Corn Borer, and Squash Vine Borer</td>
<td>Mexican Bean Beetle, Wireworms</td>
</tr>
<tr>
<td>Leafrollers and Lepidoptera Larvae (worms)</td>
<td>Colorado Potato Beetle, European Corn Borer, and Squash Vine Borer</td>
<td>Mexican Bean Beetle, Wireworms</td>
</tr>
<tr>
<td>Scares</td>
<td>Colorado Potato Beetle, European Corn Borer, and Squash Vine Borer</td>
<td>Mexican Bean Beetle, Wireworms</td>
</tr>
<tr>
<td>Whitelines</td>
<td>Colorado Potato Beetle, European Corn Borer, and Squash Vine Borer</td>
<td>Mexican Bean Beetle, Wireworms</td>
</tr>
<tr>
<td>Borer, including: Peach Tree Borer, Peachtree Borer, and Squash Vine Borer</td>
<td>Colorado Potato Beetle, European Corn Borer, and Squash Vine Borer</td>
<td>Mexican Bean Beetle, Wireworms</td>
</tr>
<tr>
<td>Beetles, such as:</td>
<td>Colorado Potato Beetle, European Corn Borer, and Squash Vine Borer</td>
<td>Mexican Bean Beetle, Wireworms</td>
</tr>
<tr>
<td>Cankerworms, such as:</td>
<td>Colorado Potato Beetle, European Corn Borer, and Squash Vine Borer</td>
<td>Mexican Bean Beetle, Wireworms</td>
</tr>
</tbody>
</table>

(continued)
INSECTS AND OTHER PESTS CONTROLLED BY NEEMIX® 4.5 (continued)

CROPS ON WHICH NEEMIX® 4.5 CAN BE USED (continued)

Herbs and Spices, such as:
- Allspice (Chives) - Lemongrass - Rue
- Angelica (Cilantro) - Lovage - Saffron
- Anise (Cinnamon) - Mace - Sage
- Anatto (Clove) - Marigold - Savory
- Balm (Copaiba) - Marigold - Spearmint
- Basil (Costmary) - Mint - Sweet Basil
- Borage (Cumino) - Mustard Seed - Sweet Bay
- Burnet (Curry Leaf) - Nasturtium - Tarragon
- Camomile (Dill) - Nutmeg - Tarragon
- Caper Buds (Fennel) - Pernyroyal - Thyme
- Caraway (Fenugreek) - Pepper - Vanilla
- Cardamon (Horshound) - Poppy Seed - Wintergreen
- Cassia (Hysoop) - Poppy Seed - Woodruff
- Catnip (Juniper Berry) - Rosemary - Wormwood

Leafy Vegetables, such as:
- Alfalfa (Coapeas) - Lupins (all types) - Peanuts
- Beans (all types) - Edamame - Peas (all types) - Soybean
- Chickpea (Garbanzo) - Lentils

Pome Fruits, such as:
- Apple - Jujube - Mayhaw - Pear
- Crabapple - Loquat - Plum
- Cherry - Prune

Root and Tuber Crops, such as:
- Beet (all types) - Daishen (Iaro) - Parsnip - Sweet Potato
- Carrot - Ginger - Potato - Tumeric
- Cassava - Ginseng - Radish - Tumip
- Celeriac - Horseradish - Rutabaga - Yam
- Chervil - Japanese radish - Salisly - Yam bean
- Daikon - Jicama - Sugarbeet

Small Fruits and Berries, such as:
- Blackberry (all types) - Dew Berry - Huckleberry - Raspberry
- Blueberry - Elderberry - Loganberry - Strawberry
- Boysenberry - Gooseberry - Olives - Youngberry
- Currant - Grapes (all types) - Olives - Ollaberry

Stone Fruits, such as:
- Apricot - Nectarine - Plum - Prune
- Apricum - Peach - Plumcot - Prune
- Cherry

Tree Nuts, such as:
- Almond - Cashew - Filberts (Hazelnuts) - Pecan
- Beech Nut - Chestnut - Hickory Nuts - Pistachio
- Brazil Nut - Chinquapin - Macadamia - Walnuts

Tropical and Subtropical Fruits, such as:
- Abiu - Durian - Malanga - Passion Fruit
- Avocado - Guava - Mango - Plantain
- Brazilian Nut - Longan - Mangosteen - Starfruit
- Banana - Lychee - Papaya - Sugar Apple
- Date

Turfgrass, such as:
- Annual Bluegrass - Bermuda grass - Perennial Ryegrass - Wheatgrass
- Annual Ryegrass - Centipede Grass - St. Augustine Grass - Zoysia Grass
- Bentgrass - Fescue - Seashore Paspalum

Miscellaneous Crops, such as:
- Artichoke - Edible flowers - Mushrooms (all types) - Sugarcane
- Asparagus - Feijoa - Palm - Tamarillo
- Birdseed - Figs - Pawpaw - Tea
- Canna - Horse - Persimmon - Tobacco
- Coffee - Guajiale - Pineapple - Waterchrest
- Corn (all types) - Kiwi - Pomegranate - Watercress

Chemigation Bulletin

GENERAL INFORMATION:
Apply this product only through drip ( trickle; sprinkler (solid set, lateral move, end tow, sidebore, center pivot, or hand move); flood (basin, furrow; or border 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, 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.

Public water system means a system for the provision to the public of piped water for human consumption. If this system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, discharge the water from the public water system into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank at least twice the inside diameter of the fill pipe.
The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection. The pesticide injection pipeline must 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.

FLOOD (BASIN), FURROW AND BORDER CHEMIGATION:
1. 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 of water source contamination from backflow.
2. Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:
   a. The system must contain a functional check valve, vacuum relief valve, and low pressure drain valve appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
   b. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
   c. 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.
   d. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
   e. 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.
   f. Systems must use a metering pump, such as a positive displacement injection pump (i.e., diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
   g. Systems must use a metering pump such as a positive displacement injection pump (i.e., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
   h. The system must contain functional pressure switches which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
   i. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
   j. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

SPRINKLER CHEMIGATION:
1. 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 backflow.
2. The pesticide injection pipeline must also contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. 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.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. 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.
6. 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 backflow.
7. Systems must use a metering pump such as a positive displacement injection pump (i.e., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
8. The system must contain functional pressure switches which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
9. Systems must use a metering pump such as a positive displacement injection pump (i.e., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
10. Dilute the product in water following the label mixing directions. It may be premixed in a supply tank with water, fertilizer, or other appropriate tank-mixed agricultural chemicals. Agitation is necessary. Apply to moderately moist soils. Use volumes that thoroughly wet the soil but that do not cause significant runoff or excessive drip from pots. Application should be continuous in sufficient water to apply the application rate evenly to the entire treated area.
11. Do not apply when wind speed favors drift beyond the area intended for treatment.