INSECT GROWTH REGULATOR

Neemix® 4.5

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 0.34 lb. of azadirachtin per US gallon

KEEP OUT OF REACH OF CHILDREN

CAUTION
Si usted no entiende la etiqueta, busque a alguien para que se le 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.

CAN BE USED IN ORGANIC PRODUCTION

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.

PHYSICAL AND CHEMICAL HAZARDS
This product may be hazardous to fish and aquatic invertebrates. For terrestrial uses: Do not apply to wilted or otherwise stressed plants, or to newly transplanted material prior to root establishment. Conduct a small trial to assure compatibility before using on a large scale. Do not apply to known spray sensitive plants without testing. Do not apply near streams, ponds, lakes or bodies of water. Agitation is necessary (see Mixing Directions). Crop injury or lack of effectiveness can result if uniform distribution is not achieved.

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.

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 or as needed.
- Botanical Insecticide Concentrate.
- Spraying directly onto the pest and a longer duration of leaf wetting increases effectiveness. Apply 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 what or otherwise stressed plants, or to newly transplanted material prior to root establishment.
- Do not apply toknown 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.
- Do not apply 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.
NEEMIX® 4.5 Insect Growth Regulator, has been found to be compatible with most commonly used fungicides, insecticides, and herbicides. Check physical compatibility first by using the correct proportion of products in a small jar test. Then, last 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, you may experience some crop damage or other disability resulting from the use of NEEMIX® 4.5 in a tank mix combination. Do not mix NEEMIX® 4.5 with soil or liquid agents such as latex, or strong acids and bases as they will deactivate 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 excessive runoff. Refer to the table below for application rates against selected pests. Use the low rate as a preventative when past pressure is low, or if used in conjunction with adulticides products. Otherwise, use the high rate. The maximum application rate is 25 grams active ingredient per 100 acres per spray application.

<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>Whiteflies</td>
<td>Low Pressure</td>
<td>4 – 7 fl. oz.</td>
<td>4 – 10 days</td>
</tr>
<tr>
<td>High Pressure</td>
<td>6 – 16 fl. oz.</td>
<td>3 – 7 days</td>
<td>Foliar application against nymphs</td>
</tr>
<tr>
<td>Aphids</td>
<td></td>
<td>5 – 7 fl. oz.</td>
<td>7 – 10 days</td>
</tr>
<tr>
<td>Leafformers</td>
<td></td>
<td>4 – 7 fl. oz.</td>
<td>14 – 21 days</td>
</tr>
<tr>
<td>Leaffolders</td>
<td>Larval or mature</td>
<td>4 – 10 fl. oz.</td>
<td>7 – 10 days</td>
</tr>
<tr>
<td>Others (including):</td>
<td>Borer, Leaffolders, Loopers</td>
<td>7 – 16 fl. oz.</td>
<td>7 – 10 days</td>
</tr>
</tbody>
</table>

*Apply where in sufficient water to obtain adequate plant coverage, typically 30 – 100 gallons per acre for conventional application or 30 – 100 gallons per acre for low volume, micro mist application.

Application Rates for Whiteflies, Aphids, Leafformers, Worms, and Other Pests

For use to control white grubs (Japanese beetles, European chafers, dung beetles, June beetles, green June beetles, May beetles, annual white grubs, grab beetles, southern masked chafers, etc.) and crane fly larvae (leatherjackets):
- For white grubs, 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. Use 50 – 100 gallons of diluted material per acre, or 2 – 5 gallons of diluted material per 1,000 square feet for 1,000 square feet of turf. Post-emergent applications as necessary, repeat treatment in late spring, summer, and fall to control possible second generation.

For best results, apply when nymphs are small, in the early spring. If necessary, reapply at 1 – 2 week intervals.

For use to control mole crickets:
- 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. Use 2 – 5 gallons of diluted material per 1,000 square feet, or 50 – 100 gallons of diluted material per acre. Repeat as necessary.

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, Cranberries, 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 or 2 – 5 gallons of water per acre for low volume application.

<table>
<thead>
<tr>
<th>Pest controlled by Neemix® 4.5</th>
<th>Rate of Neemix® 4.5 per 100 gallons of water*</th>
<th>Remarks</th>
</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</td>
<td>4 – 16 fl. oz.</td>
<td>Foliar application against young larvae before boring or tunnelling in the plant</td>
</tr>
<tr>
<td>Caterpillars, Loopers, 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, or 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>4 – 16 fl. oz.</td>
<td>Foliar application against larvae on leaves of ornamentals</td>
</tr>
<tr>
<td>Leaffaters</td>
<td></td>
<td>10 – 16 fl. oz.</td>
</tr>
<tr>
<td>Leafformers</td>
<td></td>
<td>6 – 16 fl. oz.</td>
</tr>
<tr>
<td>Leafrollers</td>
<td></td>
<td>6 – 16 fl. oz.</td>
</tr>
<tr>
<td>Scale</td>
<td></td>
<td>6 – 16 fl. oz.</td>
</tr>
<tr>
<td>Whiteflies</td>
<td></td>
<td>6 – 16 fl. oz.</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-ionic surfactant, up to 1% for improved spray coverage and transmittance of active ingredients. Always use sufficient spray volume to ensure good coverage of all plant parts. Treat early and target young larvae or nymphs, for best control. Repeat applications every 7-10 days or as needed to maintain control.

DIRECTIONS FOR COMMERCIAL LAWNS AND TURF

Surface-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 within 24 hours after application. Do not mow again within 3 days after application.

For use to control white grubs (Japanese beetles, European chafers, dung beetles, June beetles, green June beetles, May beetles, annual white grubs, grab beetles, southern masked chafers, etc.) and crane fly larvae (leatherjackets):
- For white grubs, make application soon after adults emerge in spring (1 – 3 weeks after first sign of adults). Leatherjackets should be targeted as young larval stage while feeding near the soil surface.
- 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. Use 50 – 100 gallons of diluted material per acre, or 2 – 5 gallons of diluted material per 1,000 square feet for 1,000 square feet of turf. Post-emergent applications as necessary, repeat treatment in late spring, summer, and fall to control possible second generation.

For best results, apply when nymphs are small, in the early spring. If necessary, reapply at 1 – 2 week intervals.

For use to control mole crickets:
- 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. Use 2 – 5 gallons of diluted material per 1,000 square feet, or 50 – 100 gallons of diluted material per acre. Repeat as necessary.

SPRAY 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: Washout 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 reuse 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 and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate 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, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY
Certified U.S.L.L. 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, weather, watering practices, nature of soil, the insect problem, conditions of the crop, incompatibility 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 product in strict accordance with the 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

Aphids, such as:
- Apple Aphid
- Blackmargined Aphid
- Cabbage Aphid
- Cotton Aphid

Beetle Larvae, Weevil Larvae, and Grubs, such as:
- Black Beetles
- Blue Grass Beetle
- Cucumber Beetle
- May Beetle
- Mint Root Borer
- Mint Root Borer
- Multicolored Asian Beetle
- Multicolored Asian Beetle
- Peachtree Borer
- Potato Aphid
- Red Aphid
- Strawberry Beetle
- Strawberry Weevil
- Strawberry Root Weevil
- Strawberry Root Weevil
- Tomato Fruitworm
- Waxworms

Borers, such as:
- Mint Root Borer
- European Corn Borer
- Peach Twig Borer
- Spanish Corn Borer
- Squash borer
- Squash borer

Bugs, such as:
- Chinch Bug
- Lygus Bug
- Milkbug
- Milkbug
- Squash Bugs

Cankerworms, such as:
- Elm Spanworm
- Fall Cankerworm
- Linden Looper
- Spring Cankerworm

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

Armypawns, Bullworms, Budworms, Caterpillars, Fruitworms, Loopers, Webworms, and Other
Worms (Lepidoptera larvae), such as:

- Armyworms
- Armypawns
- Beet Armypawn
- Borer (see list above)
- Borer (see list above)
- Cabbage Looper
- Cabbage Lothierfly
- Cherry Fruitworm
- Corn Earworm
- Cucurbit Earworm
- Cutworm
- Fallow Armyworm
- Grapefruitworm
- Grape Leafylother
- Grapeleaf skeletonizer
- Hickory Shuckworm
- Chafers, such as: European Chafers, Northern Masked Chafers, Rose Chafer, and Southern
Masked Chafers
- Crickets, such as: Mole Cricket and Mormon Cricket
- Cutworms, such as: Black Cutworm, Citrus Cutworm, Climbing Cutworm, Western Bean
Cutworm, and
- Crickets, such as: Mole Cricket and Mormon Cricket
- Sawflies
- such as: Asian Citrus Psyllid, Pear Psylla, Potato Psyllid, Tomato Psyllid
- Psyllids,
- such as: Grape Phylloxera, Pecan Leaf Phylloxera, Pecan Stem Phylloxera
- Nematodes
- such as:
- Leaffolders and Leaftiers
- Cutworms,
- such as: Black Cutworm, Citrus Cutworm, Climbing Cutworm, Western Bean Cutworm, and
- Cutworms,
- such as: Black Cutworm, Citrus Cutworm, Climbing Cutworm, Western Bean Cutworm, and
- Cabbage, such as: Fall Webworm, Garden Webworm, Lesser Webworm, and Sod Webworm
- Cabbage, such as: Fall Webworm, Garden Webworm, Lesser Webworm, and Sod Webworm
- Cabbage
- Cabbage Lothierfly
- Cabbage, such as:
- Cabbage, such as:
- Citrus Fruits,
- such as:
- Crops on Which Neemix® 4.5 Can Be Used (continued)

Crops on Which Neemix® 4.5 Can Be Used (continued)

- Herbs and Spices, such as:
- Grasses
- Ornamental Grasses, such as:
- Forage Crops, such as:
- Wheatbergs
- Crops on Which Neemix® 4.5 Can Be Used (continued)

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- Herbs and Spices, such as:
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- Ornamental Grasses, such as:
- Forage Crops, such as:
- Wheatbergs

Chemigation Bulletin

GENERAL INFORMATION:

Apply this product only through drip (trickle); sprinkler (solid set, lateral move, end tow, side roll, 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 manu-
facturers 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 su-
prevision of the responsible person, shall shut the system down and make necessary adjustments
should the need arise.

Private water system means a system for the provision of 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 the year.

Chemigation systems connected to public water systems must contain a functional, reduced pressure
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.

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 manu-
facturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a
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Chemigation systems connected to public water systems must contain a functional, reduced pressure
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 pump.

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.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no 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 speed favors drift beyond the area intended for treatment.

**DRIP TRICKLE 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 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. 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.
7. 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.

**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. 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.
7. 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.

**FLOOD (BASIN), PIVOT 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 the backflow if water flow stops.
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 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.
3. 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. Application should be continuous in sufficient water to apply the application rate evenly to the entire treated area.