

NEMA PRO

Application Sheet

ACTIVE INGREDIENT

Paecilomyces lilacinus	5%
Other Ingredients	95%
Total.....	100%

*Contains at least 5.0×10^8 colony forming units per gram dry weight

KEEP AWAY FROM CHILDREN CAUTION

GENERAL INFORMATION

NEMA PRO is a water dispersible granule formulation containing spores of a soil fungus that parasitizes many species of plant-parasitic nematodes. NEMA PRO is intended for use as part of an Integrated Pest Management (IPM) system. When used as part of a complete pest management program, NEMA PRO reduces crop damage by plant-parasitic nematodes.

FOR CONTROL OF CROP DAMAGE CAUSED BY THE FOLLOWING PESTS:

- Awl nematodes (Dolichodorus species)
- Burrowing nematode (Radopholus similis)
- Citrus nematode (Tylenchulus semipenetrans)
- Cyst nematodes (Heterodera and Globodera species)
- False root-knot nematodes (Nacobus species)
- Lance nematodes (Hoplolaimus species)
- Lesion nematodes (Pratylenchus species)
- Reniform nematode (Rotylenchulus reniformis)
- Ring nematodes (Criconemoides, Criconemella and Mesocriconema species)
- Root-knot nematodes (Meloidogyne species)
- Spiral nematodes (Helicotylenchus and Rotylenchus species)
- Stem nematode (Ditylenchus)

- dipsaci) (Trichodorus and Paratrichodorus species)
- Sting nematode (Belonolaimus longicaudatus) • Stunt nematodes
- Stubby root nematodes (Tylenchorhynchus species)

INTEGRATED PEST MANAGEMENT (IPM)

For disease resistance management, TRIANUM V Foliar Fungicide can be integrated into an overall disease and pest management strategy whenever fungicide use is necessary. Follow practices known to reduce disease development. Consult local agricultural authorities for specific IPM strategies developed for your crop(s) and location. Be sure use of this product conforms to resistance management strategies, which may include rotating and/or tank-mixing with other products with different modes of action.

MIXING DIRECTIONS

- Determine the total volume of water needed for application according to the application tables below.
- Fill the spray tank to approximately 3/4 (three-fourths) of the desired volume with clean water and begin agitation.
- Add the specified amount of NEMA PRO to the tank (consult application tables below). Do not allow spray mixture to stand overnight or for longer than 24 hours. Finish filling the tank to the desired volume that provides maximum coverage.
- Maintain agitation throughout the mixing and application process.

TANK MIXING

- Application efficiency may be enhanced by inclusion of a soil wetting agent to help the spores penetrate soil into the root zone.
- Do NOT mix NEMA PRO with chlorothalonil, mancozeb, triazole or strobilurin fungicides.
- Do not mix with strong acids, bases or other caustic materials. Maintain a neutral or slightly acidic pH (6-7) in the spray tank.
- Mix NEMA PRO only with products for which such mixing is permitted by the label for that product. Test the physical compatibility of unfamiliar mixtures by combining small amounts of the products in the intended proportions and mix order before actual use ("jar test"). Observe the most restrictive of the labeling limitations and precautions of all products used in mixtures.
- For information on which adjuvants and pesticides can be mixed with NEMA PRO without harming the beneficial fungus it contains, contact your Technical Sales Representative or the Manufacturer.
- For preparation of a tank mix, add the other products first. If the other products are likely to cause foaming, however, add them after filling up the tank to the desired volume of water. Then add NEMA PRO.

APPLICATION RATES FOR SELECTED CROPS

CROPS	APPL Time	APPLICATION INSTRUCTION
<p>Fruiting vegetables</p> <p>Tomato, Tomatillo, Peppers (all types) and Eggplant</p> <p>Leafy vegetables</p> <p>Arugula, Head and Leaf Lettuce, Spinach (all types), Celery(all types), Corn salad , Cress (all types), Endive, Radicchio and Rhubarb</p> <p>Brassica Vegetables (Cole Crops)</p> <p>Broccpoil Cabbage Broccpoil Cauliflower Brussel Sprouts Collards Kale Mustard Greens Kohlrabi and other brassica</p> <p>Cucurbit vegetables,</p> <p>Watermelon, Cantaloupe, Muskmelon (including Honeydew Melon and other melons), Cucumbers</p>	<p>Application to field soils before planting or transplanting</p>	<p>Apply at the rate of 7.5-10 kgs per hectare, Applications can be made by the following methods:</p> <ul style="list-style-type: none"> • Drenching, drip (trickle) or sprinkler application (see "Instructions for NEMA PRO Application through Irrigation Systems"). To enhance penetration of spores into the root zone, consider mixing NEMA PRO with a soil wetting agent. • Surface spray on moist soil with 40 – 100 gallons water per acre followed by incorporation using light tillage. • Surface spray with 20 – 40 gallons water per acre followed by overhead irrigation. Use enough irrigation water to wet the soil into the root zone. • Direct injection to anticipated root depth using shank or other soil injection equipment. Apply with 30 – 40 gallons water per acre. <p>Pre-plant applications may be either broadcast over an entire field or concentrated (banded) into planting rows.</p> <p>Apply when soil temperature at 4-inch depth is 15 °C or higher. Bioactivity of NEMA PRO is greatest at soil temperatures between 20 °C and 32 °C.</p> <p>Apply to nematode-infested (non-fumigated) soil up to 14 days before planting or transplanting.</p> <p>Follow up with applications on the field soil at or after planting or transplanting (see third section below).</p> <p>If the soil has been fumigated recently (within 2 weeks), make the initial NEMA PRO application to transplants just before transplanting into the field, as described in the section that follows.</p> <p>Alternatively, apply NEMA PRO to fumigated soil at or after planting or transplanting (see third section below).</p>
	<p>Application to transplants just before transplanting into the field</p>	<p>Apply at the rate of 7.5-10 kgs per hectare, mix with of water, and apply as a drench spray to soil or other growth media in transplant flats, pots or other rooting containers.</p> <p>Follow the application with sufficient additional water (such as by drenching or overhead irrigation) to saturate the soil or rooting medium. As needed, follow up with applications at 4- to 6-week intervals at or after transplanting, as described in the section that follows.</p>
	<p>Application to field soils at or after planting or transplanting</p>	<p>Apply at the rate of 7.5-10 kgs per hectare by one of the following methods:</p> <ul style="list-style-type: none"> • Drip (trickle) application (see "Instructions for NEMA PRO Application through Irrigation Systems"). • Banded spray 4" to 6" wide, in-furrow at planting (over or under the seed line). <p>Apply sufficient water during or immediately after applications to thoroughly wet the soil into the root zone.</p> <p>NEMA PRO can also be mixed with water and injected directly into the rooting zone using a shank or other injection equipment, preferably on both sides of the plant row.</p> <p>Repeat applications at 4- to 6-week intervals as needed to control plant-parasitic nematode populations during the crop period.To enhance penetration of spores into the root zone, consider mixing NEMA PRO with a soil wetting agent.</p>

CROPS	APPL Time	APPLICATION INSTRUCTION
<p>Root / Tuber vegetables,</p> <p>Beets (except Sugar Beet), Carrot, Cassava, Ginger, Horseradish, Parsnips, Radish, Rutabaga, Taro, Yams and Turnip</p> <p>Onions, Garlic and other Bulb Vegetables</p> <p>Strawberry, Artichoke, Pineapple Tobacco, Herb & spice crops</p> <p>Indoor- or outdoor-grown cut flowers and ornamental bulb</p>	<p>Application to field soils before planting or transplanting</p>	<p>Apply at the rate of 7.5-10 kgs per hectare, Applications can be made by the following methods:</p> <ul style="list-style-type: none"> • Drenching, drip (trickle) or sprinkler application (see "Instructions for NEMA PRO Application through Irrigation Systems"). To enhance penetration of spores into the root zone, consider mixing NEMA PRO with a soil wetting agent. • Surface spray on moist soil with 40 – 100 gallons water per acre followed by incorporation using light tillage. • Surface spray with 20 – 40 gallons water per acre followed by overhead irrigation. Use enough irrigation water to wet the soil into the root zone. • Direct injection to anticipated root depth using shank or other soil injection equipment. Apply with 30 – 40 gallons water per acre. <p>Pre-plant applications may be either broadcast over an entire field or concentrated (banded) into planting rows.</p> <p>Apply when soil temperature at 4-inch depth is 15 °C or higher. Bioactivity of NEMA PRO is greatest at soil temperatures between 20 °C and 32 °C.</p> <p>Apply to nematode-infested (non-fumigated) soil up to 14 days before planting or transplanting.</p> <p>Follow up with applications on the field soil at planting or transplanting (see third section below).</p> <p>If the soil has been fumigated recently (within 2 weeks), make the initial NEMA PRO application to transplants just before transplanting into the field, as described in the section that follows . Alternatively, apply NEMA PRO to fumigated soil at planting or transplanting (see third section below).</p>
	<p>Application to transplants just before transplanting into the field</p>	<p>Apply at the rate of 7.5-10 kgs per hectare, mix with of water, and apply as a drench spray to soil or other growth media in transplant flats, pots or other rooting containers.</p> <p>Follow the application with sufficient additional water (such as by drenching or overhead irrigation) to saturate the soil or rooting medium.</p>
	<p>Application to field soils at or after planting or transplanting</p>	<p>Apply at the rate of 7.5-10 kgs per hectare by one of the following methods:</p> <ul style="list-style-type: none"> • Drip (trickle) application (see "Instructions for NEMA PRO Application through Irrigation Systems"). • Banded spray 4" to 6" wide, in-furrow at planting (over or under the seed line). <p>Apply sufficient water during or immediately after applications to thoroughly wet the soil into the root zone.</p> <p>NEMA PRO can also be mixed with water and injected directly into the rooting zone using a shank or other injection equipment, preferably on both sides of the plant row.</p>

CROPS	APPL Time	APPLICATION INSTRUCTION
<p>Grapevines (Wine Grapes, Table Grapes and Raisins)</p> <p>Berries, Blackberries, Blueberries, Cranberry*, Currants, Elderberry, Gooseberry, Huckleberry, Loganberry, Lingonberry and Raspberries</p> <p>Citrus fruits Pome fruits, Apple, Loquat, Pear and Quince</p> <p>Stone fruits, Apricot, Cherries, Nectarine, Peach, Plums and Plumcot</p> <p>Tree nuts, Almond, Beech Nut, Cashew, Chestnut, Hazelnut, Macadamia Nut, Pecan and Walnut</p> <p>Avocado, Coffee, Pistachio, Pomegranate</p> <p>*For Cranberries: Do not apply when bog or field is flooded</p>	<p>For multiple trees, bushes, or vines (full or partial orchard or vineyard application)</p>	<p>Apply at the rate of 7.5-10 kgs per hectare by one of the following methods:</p> <ul style="list-style-type: none"> • Drip (trickle) application (see "Instructions for NEMA PRO Application through Irrigation Systems"). • Micro-irrigation application (see "Instructions for NEMA PRO Application through Irrigation Systems"). Apply through micro-irrigation only when the irrigation is soil directed, the heights of the nozzles are below the canopy and irrigation water does not come into contact with aboveground harvestable food commodities. DO NOT use mist sprayers, which produce small droplets likely to drift. • Injection with 30 – 40 gallons water per acre directly into the root zone using a shank or other injection equipment. • Soil-directed spray with 30 – 100 gallons per acre from stem to drip line (outer reaches of the branches or vines), ensuring foliage and aboveground harvestable food commodities are not contacted by the spray. <p>Apply sufficient water during or immediately after application to thoroughly wet the soil into the root zone. Alternatively, applications can be made before or during rainfall to assist in movement to the roots.</p> <p>Repeat applications every 2-4 months or during root flush, as needed.</p>
<p>Tree nuts, Almond, Beech Nut, Cashew, Chestnut, Hazelnut, Macadamia Nut, Pecan and Walnut</p> <p>Avocado, Coffee, Pistachio, Pomegranate</p> <p>*For Cranberries: Do not apply when bog or field is flooded</p>	<p>For individual trees, bushes, or vines</p>	<p>Apply at the rate of 7.5-10 kgs per hectare, and apply as a drench or spray to the soil from stem to drip line (outer reaches of the branches or vines), ensuring foliage and aboveground harvestable food commodities are not contacted by the spray.</p> <p>Five gallons of mix will treat up to 500 square feet of soil, or the area under approximately 5 mature trees or vines.</p> <p>Apply sufficient water during or immediately after application to thoroughly wet the soil into the root zone. Alternatively, applications can be made before or during rainfall to assist in movement to the roots.</p> <p>Repeat applications every 2-4 months or during root flush, as needed.</p>

CROPS	APPL Time	APPLICATION INSTRUCTION
Peanut* (Choose the most appropriate treatment method to fit your operation and management!)	Pre-plant incorporation prior to bed forming	Apply at the rate of 7.5-10 kgs per hectare, minimum of 20 gallons of water per acre to moist soil (if soil is not moist, apply prior to rainfall or pre-plant irrigation) prior to bed forming. Follow up with a pre-pegging application as described below.
	Pre-planting bed treatment	Apply at the rate of 7.5-10 kgs per hectare in a 6- to 8-inch band on top of the row (on double row peanuts in a 14- to 16-inch band) and incorporate thoroughly into the top 6 to 8 inches of moist soil (if soil is not moist, apply prior to rainfall or pre-plant irrigation). Follow up with a pre-pegging application as described below.
	In-furrow application	Apply at the rate of 7.5-10 kgs per hectare, minimum 20 gallons of water per acre into the seed furrow and cover with soil. If possible, apply prior to an at-planting irrigation. NEMA PRO may be applied in conjunction with liquid peanut inoculants. Follow up with a pre-pegging application as described below
	At minimum tillage: Post-plant irrigation or rainfall drench	Apply at the rate of 7.5-10 kgs per hectare, minimum 20 gallons of water per acre to moist soil. Water in the product immediately after planting. Follow up with a pre-pegging application as described below
	Post-planting (Pre-pegging) drench	Apply at the rate of 7.5-10 kgs per hectare, minimum 20 gallons of water per acre to moist soil. Spray prior to rainfall or irrigation, prior to pegging, and at the base of the plants. The application is only to be soil directed.
Potato / Sweet potato (Choose the most appropriate treatment method to fit your operation and management!)	Pre-planting application	Apply at the rate of 7.5-10 kgs per hectare to potatoes / sweet potatoes planted in 42- to 48-inch rows. Apply in a 14-inch banded or broadcast spray of 20 – 40 gallons water per acre while forming the rows / planting hills and incorporate thoroughly into the top 4-10 inches of moist soil. Can be applied up to 21 days prior to potato / sweet potato transplant.
	Drench at transplanting	Apply at the rate of 7.5-10 kgs per hectare Disperse product entirely in a supply tank and add it to transplant water. Apply with at least 30 gallons transplant water per acre.
Sugar beet	In-furrow application at planting	Apply at the rate of 7.5-10 kgs per hectare, minimum of 20 gallons of water per acre into the seed furrow and cover with soil

CROPS	APPL Time	APPLICATION INSTRUCTION
Cotton* (Choose the most appropriate treatment method to fit your operation and management!)	Pre-plant incorporation prior to bed forming	Apply at the rate of 7.5-10 kgs per hectare, minimum of 20 gallons of water per acre to moist soil, apply prior to rainfall or pre-plant irrigation) soil prior to bed forming. Follow up with a post-emergent drench as described below.
	In-furrow treatment	Apply at the rate of 7.5-10 kgs per hectare, minimum 20 gallons of water per acre into furrow prior to planting cotton. Apply into the seed furrow and cover with soil. If possible, apply prior to an at-planting irrigation. Follow up with a post-emergent drench as described below
	At minimum tillage: Post-plant irrigation or rainfall drench	Apply at the rate of 7.5-10 kgs per hectare, minimum 20 gallons of water per acre to moist soil and water in the product immediately after planting. Apply sufficient water during or immediately after application to thoroughly wet the soil into the root zone. Alternatively, applications can be made before or during rainfall to assist in movement to the roots. Follow up with a post-emergent drench as described below
	Post-emergence application at the 6th to 7th true leaf stage	Apply at the rate of 7.5-10 kgs per hectare, minimum 20 gallons of water per acre to cotton using shank or other soil injection equipment. Apply when cotton is in the 6th to 7th true leaf stage of growth by placing into the soil alongside the seed furrow. Application equipment can have either one or two coulters and knives per row. Apply sufficient water during or immediately after application to thoroughly wet the soil into the root zone. Alternatively, applications can be made before or during rainfall to assist in movement to the roots. This treatment will extend the suppression of nematode populations when applied during the growing season and after the pre-plant application of a soil fumigant, at-plant application of a contact nematicide or use of a seed treatment nematicide.
Banana and Plantain	At planting	For 250 plants: Apply at the rate of 7.5-10 kgs per hectare and apply as a drench or coarse spray in the planting hole just before placing the plant in the hole and then around the base of each plant immediately after planting. Use conventional ground application equipment, backpack sprayers or hand-held dippers for these soil-directed applications. Water in with standard (quantity and equipment) irrigation to wet the soil into the root zone, or apply before rainfall.
	Established plants, every 4 months	For 250 plants: Apply at the rate of 7.5-10 kgs per hectare, Apply suspension in a 6-inch radius to the soil around daughter suckers using conventional ground application equipment or backpack sprayers. Alternatively, apply through micro-irrigation (see "Instructions for NEMA PRO Application through Irrigation Systems"). Apply through micro-irrigation only when the irrigation is soil directed, the heights of the nozzles are below the canopy and irrigation water does not come into contact with aboveground harvestable food commodities. DO NOT use mist sprayers, which produce small droplets likely to drift. Water in with standard (quantity and equipment) irrigation to wet the soil into the root zone, or apply before rainfall

CROPS	APPL Time	APPLICATION INSTRUCTION
Potato / Sweet potato (Choose the most appropriate treatment method to fit your operation and management!)	Pre-planting application	Apply at the rate of 7.5-10 kgs per hectare to potatoes / sweet potatoes planted in 42- to 48-inch rows. Apply in a 14-inch banded or broadcast spray of 20 – 40 gallons water per acre while forming the rows / planting hills and incorporate thoroughly into the top 4-10 inches of moist soil. Can be applied up to 21 days prior to potato / sweet potato transplant.
	Drench at transplanting	Apply at the rate of 7.5-10 kgs per hectare. Disperse product entirely in a supply tank and add it to transplant water. Apply with at least 30 gallons transplant water per acre.
Turf*	Established turf, every 2 months	Apply at the rate of 7.5-10 kgs per hectare using conventional ground application equipment; follow immediately (while leaves are still wet from application) by overhead irrigation, drenching the product into the root zone with sufficient water. Alternatively, apply the product through an overhead irrigation system. If irrigation is not available, apply the product suspension prior to or during rainfall.

INSTRUCTIONS FOR NEMA PRO APPLICATION THROUGH IRRIGATION SYSTEMS

Application through Drip (Trickle) or Sprinkler Irrigation:

Apply NEMA PRO only through sprinkler, including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or handmove, and drip (trickle), including micro-irrigation, systems and either before planting or to the planted crop/use site at the appropriate rates indicated in the previous table. If applied in this manner, irrigate with enough water to saturate the soil to the depth of the root zone. Addition of an approved soil wetting agent at the manufacturer’s specified mixrate may enhance penetration of spores to the rooting zone. For information on which adjuvants and pesticides can be mixed with NEMA RPO without harming the beneficial fungus it contains, contact your Technical Sales Representative or the Manufacturer.

Do not apply NEMA RPO through any irrigation systems other than those specified above.

Crop injury or lack of effectiveness can result from non-uniform distribution of treated water.

If you have questions about calibration of your irrigation system, you should contact, 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 pesticide application 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.

Pesticide Application Using Public Water Systems:

- 1) 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 the year.
- 2) Pesticide application systems connected to public water systems must contain a functional, reduced-pressure zone, back flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- 3) The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 4) 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.
- 5) 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.
- 6) 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.
- 7) Do not apply when wind speed favors drift beyond the area intended for treatment.
- 8) Apply the entire treatment during the first 1/3 of the total irrigation.
- 9) NEMA PRO in the supply tank to a concentration appropriate to cover the area to be treated.

- 10) Agitation is required for mixing and maintaining the suspension of the spores of the active agent in the injection solution. Apply all NEMA RPO within 24 hours after mixing with water.

Pesticide Application Using Drip (Trickle) Irrigation:

- 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 back flow.
- 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 (e.g., diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- 7) Apply the entire treatment during the first 1/3 of the total irrigation.
- 8) Mix NEMA PRO in the supply tank to a concentration appropriate to cover the area to be treated.
- 9) Agitation is required for mixing and maintaining the suspension of the spores of the active agent in the injection solution. Apply all NEMA PRO within 24 hours after mixing with water.

Pesticide Application Using Sprinkler Irrigation:

- 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 back flow.
- 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 (e.g., diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- 7) Do not apply when wind speed favors drift beyond the area intended for treatment.
- 8) Apply the entire treatment during the first 1/3 of the total irrigation.
- 9) Mix NEMA PRO in the supply tank to a concentration appropriate to cover the area to be treated.
- 10) Agitation is required for mixing and maintaining the suspension of the spores of the active agent in the injection solution. Apply all NEMA PRO within 24 hours after mixing with water.

Pesticide Application Using Micro-irrigation:

- 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 back flow.
- 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 (e.g., diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- 7) Apply only when the irrigation is soil directed, the heights of the nozzles are below the canopy and irrigation water does not come into contact with aboveground harvestable food commodities.
- 8) Apply the entire treatment during the first 1/3 of the total irrigation.
- 9) Mix NEMA PRO in the supply tank to a concentration appropriate to cover the area to be treated.
- 10) Agitation is required for mixing and maintaining the suspension of the spores of the active agent in the injection solution. Apply all NEMA PRO within 24 hours after mixing with water.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Store in a cool, dry place, out of direct sunlight, and away from heat sources for up to 18 months. Keep from overheating.

PESTICIDE 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 HANDLING

Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration. Do not burn, unless allowed by state and local ordinances. If burned, stay out of smoke. If outer box is contaminated, dispose of it in the same manner as required for the bag

WARRANTY

Tangsons Biotech warrants that the material contained herein conforms to the description on the label and is reasonably fit for the purpose referred to in the directions for use. Timing and method of application, weather, watering practices,



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nature of soil, the disease problem, condition of the crop, incompatibility with 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 not in strict accordance with directions given herein. NO OTHER EXPRESS OR IMPLIED WARRANTY OF THE FITNESS OR MERCHANTABILITY IS MADE.