



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

December 19, 2018

Karen E. Warkentien
Director of Regulatory Affairs
Certis USA LLC
9145 Guilford Road, Suite 175
Columbia, MD 21046

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – To Add Peanuts and Blueberries, Add Summer Diseases of Pome Fruit, Add Certain Pests of Cucurbits (*Alternaria* Leaf Spot and Target Spot), Add a Pest of Leafy Vegetables (White Rust), and Make Other Minor Revisions
Product Name: BmJ WG
EPA Registration Number: 70051-119
Application Date: 09/18/2018
OPP Decision Number: 544808

Dear Ms. Warkentien:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims

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made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Alex Boukedes by phone at (703) 347-0305 or via email at boukedes.alexandra@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'JKausch', with a long horizontal flourish extending to the right.

Jeannine Kausch, Product Manager 92
Microbial Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure: Stamped Label

BmJ WG

BIOLOGICAL PLANT ACTIVATOR

{Alternate Brand Names: LifeGard WG}

To Reduce Occurrence and Severity of Plant Disease on Listed [Food] Crops [and] [Tobacco] Grown Outdoors or Grown Under Cover in Greenhouses, Shadehouses, or Other Cover



FOR ORGANIC PRODUCTION



CAN BE USED IN ORGANIC PRODUCTION



ACTIVE INGREDIENT:

Bacillus mycooides isolate J* 40.0%

OTHER INGREDIENTS: 60.0%

TOTAL 100.0%

* Equivalent to a minimum of 30 billion (3x10¹⁰) viable spores/g of product.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

[See [side][back][inside][other] panel for [additional] [first aid] [and] [precautionary] statements.]

[Refer to inside of label booklet for additional precautionary information and Directions for Use including First Aid and Storage and Disposal.]

MANUFACTURED BY:

Certis USA LLC
9145 Guilford Road, Suite 175
Columbia, MD 21046

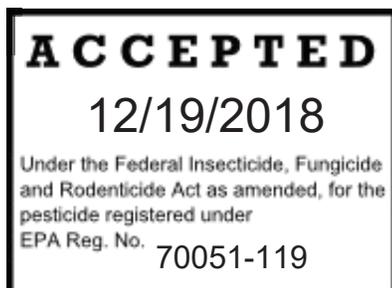
EPA Reg. No. 70051-119

EPA Est. No. 70051-CA-001

Lot Number:



Net Weight:



FIRST AID

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 further treatment advice.

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

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. [Hot Line Number: 1-800-255-3924.]

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Caution. Harmful if inhaled. Causes moderate eye irritation. Avoid breathing dust or spray mist. Avoid contact with eyes or clothing. Wear protective eyewear. 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.

Personal Protective Equipment

Applicators and other handlers must wear a long-sleeved shirt and long pants, socks, shoes, waterproof gloves, and protective eyewear, and use a NIOSH-approved particulate respirator with any N, R, or P filter with NIOSH approval number prefix TC-84A; or a NIOSH-approved powered air purifying respirator with an HE filter with NIOSH approval number prefix TC-21C. (Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.)

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should 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.

Engineering controls

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR §170.240(d)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

ENVIRONMENTAL HAZARDS

For Terrestrial Uses: Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. These use directions must be in the possession of the user at the time of pesticide application. 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 State or Tribal agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

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

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

PPE required for early entry to treated areas (that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water) is:

- Coveralls
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

BIOLOGICAL ACTIVITY

BmJ WG contains a biological disease control agent (*Bacillus mycooides* isolate J, or BmJ) that reduces the occurrence and severity of plant disease by triggering the plant's natural defense mechanisms against pathogens. BmJ itself has no direct effect on plant pathogens, but preventative applications (before infection or appearance of disease symptoms) can reduce the incidence and severity of subsequent disease. BmJ WG should be tank mixed with other registered products with curative activity if disease is present at the time of application. BmJ WG is most effective when used in combination or alternation with fungicides having other modes of action, registered for the control of labeled diseases, which may themselves be rendered more effective due to the elevated state of plant resistance to pathogens.

Mixing procedures:

BmJ WG is a wettable granular (WG) formulation that must be mixed with water and applied as a foliar spray. Mix the specified amount of BmJ WG in clean water with sufficient agitation to maintain a uniform suspension in the spray or mixing tank.

Prepare only the amount of spray mix that is required for the immediate operation. Do not allow the mixture to stand overnight in the spray tank.

Application timing:

BmJ WG should be applied preventatively, before disease is observed in the field. Initial triggering of plant defense response occurs within minutes of application, but 3 – 5 days are required to attain maximum level of protection, which lasts up to 18 days after application.

Apply to healthy, actively growing plants. Do not apply to plants that are stressed due to drought, excessive moisture, excessively hot or cold temperatures, herbicide injury, or other environmental stress.

BmJ WG is exempt from the requirement for residue tolerance and can be applied up to the day of harvest. **Preharvest Interval (PHI) = 0 days.**

Application method:

Ground applications: BmJ WG can be applied in most commonly-used ground application equipment, such as tractor-mounted boom, airblast, high clearance, backpack, and other pressurized sprayers; hose-end or hand-held sprayers; and foggers or mist blowers. Apply in sufficient volume of water to provide uniform coverage.

Aerial applications: BmJ WG can be applied by fixed or rotary winged aircraft in a minimum of 5 gallons of water per acre. Standard precautions should be taken to minimize spray drift.

Chemigation: BmJ WG can be applied to the crop canopy through overhead sprinkler systems by injecting the specified rate (see below) at the very end of the irrigation period. Injection should occur only within the minimum time required to ensure complete flushing of the product from the system and onto the crop canopy. Keep supply tank agitated during application. See “Chemigation Instructions” below for additional information about application of BmJ WG through sprinkler irrigation systems. **Do not apply BmJ WG through any other type of irrigation system.**

FOR PROTECTION AGAINST DISEASE CAUSED BY FUNGI, OOMYCETES, OR BACTERIA IN CROPS GROWN OUTDOORS OR IN GREENHOUSES, SHADE-HOUSES, OR OTHER COVER:

Application rate: Apply BmJ WG at a concentration of **4.5 ounces (128 grams) per 100 gallons of water**. If using dry measure rather than weight, the volume of 4.5 ounces of BmJ WG is approximately $\frac{3}{4}$ cup.

The amount of BmJ WG applied per acre will depend on the finished spray volume (gallons per acre or GPA) required to adequately cover the crop. Lower volume (≤ 20 GPA) may be sufficient for uniform coverage of newly emerged or transplanted annual crops, or smaller crops such as leaf lettuce or spinach. Mature annual crops and those with large canopies (including trees) may require higher volumes (≥ 50 GPA) if using ground spray equipment.

Do not apply less than 1 ounce or more than 4.5 ounces of BmJ WG per acre.

Rate Table: This table can be used to determine the amount of BmJ WG required for different spray volumes to attain the same concentration as 4.5 oz/100 gallons:

Volume of water (GPA):	≤ 20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	100
Rate in dry oz/ Acre:	1 oz	1 $\frac{1}{4}$ oz	1 $\frac{1}{3}$ oz	1 $\frac{1}{2}$ oz	1 $\frac{3}{4}$ oz	2 oz	2 $\frac{1}{4}$ oz	2 $\frac{1}{2}$ oz	2 $\frac{2}{3}$ oz	3 oz	3 $\frac{1}{4}$ oz	3 $\frac{1}{3}$ oz	3 $\frac{1}{2}$ oz	3 $\frac{3}{4}$ oz	4 oz	4 $\frac{1}{2}$ oz
Approx. dry measure:	2 $\frac{1}{2}$ tbsp	3 tbsp	3 $\frac{1}{2}$ tbsp	$\frac{1}{4}$ cup	5 tbsp	$\frac{1}{3}$ cup	6 tbsp	6 $\frac{1}{2}$ tbsp	7 tbsp	$\frac{1}{2}$ cup	9 tbsp		10 tbsp	$\frac{2}{3}$ cup	$\frac{3}{4}$ cup	

Crop	Target disease/pathogen (bacteria & fungi)	Additional information
Almond:	<i>Alternaria</i> leaf spot (<i>Alternaria alternata</i>)	Begin applications before first symptoms appear, when environmental conditions (such as leaf wetness) favor infection. Consult your State Extension Service for advice on disease monitoring and timing of applications for <i>Alternaria</i> management. Apply in sufficient water to achieve complete coverage of the tree canopy.
Blueberry:*	Mummyberry (<i>Monilinia vacciniae-corymbosi</i>)	Begin as a preventative spray. Repeat every 7-14 days as part of a rotational program with fungicides labeled for this use.

{ } Symbolizes explanatory text to the reviewer
[] Indicates optional text

Crop	Target disease/pathogen (bacteria & fungi)	Additional information
Carrot:	<i>Alternaria</i> leaf blight (<i>Alternaria dauci</i>)	Begin applications soon after plant emergence and before disease develops. Repeat at 7-14 day intervals as long as conditions favor disease development.
Citrus: Orange Lemon Lime Grapefruit Tangelo Tangerine (Mandarin) Pummelo	Citrus canker (<i>Xanthomonas axonopodis</i> pv. <i>citri</i> and <i>Xanthomonas axonopodis</i> pv. <i>aurantifolii</i>)	To reduce infection of new foliage, apply at spring flush, before symptoms appear. Make subsequent applications at 2-4 week intervals, preferably in an alternating program with copper or other products labeled for this use.
Cole Crops: Broccoli Brussels sprouts Cabbage Cauliflower Kohlrabi and other <i>Brassica</i> vegetables (including those grown for seed production)	Downy mildew (<i>Peronospora</i> (<i>Halyoperonospora</i>) species)	<i>For direct seeded crops:</i> Apply any time following emergence of first true leaf. <i>For transplants:</i> Begin applications immediately before or after transplanting. Transplants may be treated in the greenhouse or nursery prior to transplanting in the field. <i>For seed crops:</i> Begin applications at first sign of flowering. For all of the above, repeat applications at 7 – 14 day intervals as needed to prevent or reduce disease infection.

Crop	Target disease/pathogen (bacteria & fungi)	Additional information
<p>Cucurbits: Cucumbers Gourds (all types) Melons (Cantaloupe, Muskmelon, Honeydew, Crenshaws, and all other Melons) Squash (all types) Watermelon</p>	<p>Anthracnose (<i>Colletotrichum lagenarium</i> <i>Colletotrichum orbiculare</i> (=<i>Glomerella cingulata</i> var. <i>orbiculare</i>)) Powdery mildew (<i>Sphaerotheca fuliginea</i> (=<i>Podosphaera xanthii</i>)) (<i>Erysiphe cichoracearum</i> (=<i>Golovinomyces cichoracearum</i>)) Downy mildew (<i>Peronospora</i> species) Gummy stem blight (<i>Didymella bryoniae</i>) <i>Alternaria</i> leaf spot (<i>Alternaria cucumerina</i>) Target spot* (<i>Corynespora cassiicola</i>)</p>	<p><i>For direct seeded crops:</i> Apply any time following emergence of first true leaf. <i>For transplants:</i> Begin applications immediately before or after transplanting. Transplants may be treated in the greenhouse or nursery prior to transplanting in the field. For all of the above, repeat applications at 7-14 day intervals as needed to prevent or reduce disease infection.</p>
<p>Fruiting Vegetables: Tomato Peppers (all types) Eggplant Tomatillo Okra</p>	<p>Bacterial leaf spot (<i>Xanthomonas</i> species) Bacterial speck (<i>Pseudomonas syringae</i> pv. <i>Tomato</i>) Early blight (<i>Alternaria solani</i>) Gray mold (<i>Botrytis cinerea</i>) Late blight (<i>Phytophthora infestans</i>)</p>	<p><i>For direct seeded crops:</i> Apply any time following emergence of first true leaf. <i>For transplants:</i> Begin applications immediately before or after transplanting. Transplants may be treated in the greenhouse or nursery prior to transplanting in the field. <i>For bacterial leaf spot, early blight, gray mold, and late blight:</i> Repeat applications at 7-day intervals. <i>For bacterial speck:</i> Repeat applications at 7-14 day intervals. Use the 7-day interval under high disease pressure.</p>

Crop	Target disease/pathogen (bacteria & fungi)	Additional information
Grapes:	Downy mildew (<i>Plasmopara viticola</i>)	<p>Make first applications 2 – 3 weeks before bloom.</p> <p>Repeat applications at 7-21 day intervals as part of a rotational program with fungicides labeled for this use.</p> <p>Continue applications until 2-4 weeks after fruit set.</p> <p>Applications can be made up to and including the day of harvest if necessary to maintain disease control.</p>
	Powdery mildew (<i>Uncinula necator</i>)	<p>Begin as a preventative spray.</p> <p>Repeat every 7-21 days as part of a rotational program with fungicides labeled for this use.</p>

Crop	Target disease/pathogen (bacteria & fungi)	Additional information
<p>Leafy Vegetables (excluding <i>Brassica</i>): Amaranth Arugula Cardoon Celery (including Chinese) Celtuce Chervil Chrysanthemum (edible-leaved and garland) Corn salad Cress (garden and upland) Dandelion Dock (sorrel) Endive (escarole) Fennel (Florence (finocchio)) Lettuce (head and leaf, including baby leaf and spring mix) Orach Parsley Purslane (garden and winter) Radicchio (red chicory) Rhubarb Spinach (including New Zealand and vine) Swiss chard</p>	<p>Downy mildew (<i>Bremia lactucae</i>) (<i>Peronospora</i> species) Powdery mildew (<i>Erysiphe cichoracearum</i>) Leaf spots (<i>Cladosporium</i> and <i>Stemphylium</i> spp.) White rust* (<i>Albugo occidentalis</i>)</p>	<p>Begin applications at first true leaf or after thinning. Make preventative applications every 7-14 days as needed to maintain control.</p>
<p>Legume Vegetables: Succulent or Dried Beans Peas Lentils Chickpeas (Garbanzo) Soybeans</p>	<p>White mold (<i>Sclerotinia sclerotiorum</i> and <i>Sclerotinia trifolium</i>)</p>	<p>Apply in an alternating or tank mix program with labeled fungicides as part of a disease management program. Mix only with fungicides having label instructions that do not prohibit such mixtures.</p>

Crop	Target disease/pathogen (bacteria & fungi)	Additional information
Peanuts:*	Late leaf spot (<i>Cercosporidium personatum</i>) Southern blight (<i>Sclerotium rolfsii</i>)	Start applications at least 5 days prior to an anticipated infection event. Repeat applications at 7- to 21-day intervals as needed to reduce disease infection. Rotate or mix with other fungicides if disease pressure is high.
Pecan:	Pecan scab (<i>Cladosporium caryigenum</i>)	Apply in sufficient water to attain good coverage of the tree canopy.
Pome Fruit: Apple Pear Quince Loquat Crabapple	Fire blight (<i>Erwinia amylovora</i>)	Begin applications when green tissue is present, prior to infection period. If no pre-bloom applications have been made, then combine applications with other standard bloom sprays targeting fire blight.
	Flyspeck* (<i>Zygophiala jamaicensis</i>) Glomorella leaf spot, bitter rot* (<i>Colletotrichum gloeosporioides</i> species complex) Sooty blotch disease complex*	For summer disease control, apply starting at petal fall through the cover sprays on a 10- to 14-day schedule. Apply in an alternating or tank-mix program with labeled fungicides as part of a disease management program
Potatoes: (for consumption or processing) <i>See separate section below for seed potatoes.</i>	Early blight (<i>Alternaria solani</i>) Late blight (<i>Phytophthora infestans</i>) White mold (<i>Sclerotinia sclerotiorum</i>)	Apply in an alternating or tank mix program with labeled fungicides as part of a disease management program. Mix only with fungicides having label instructions that do not prohibit such mixtures.
Sugar beet and Garden (table) beet:	Cercospora leaf spot (<i>Cercospora beticola</i>)	Apply at 7- to 14-day intervals. For sugar beets, use in rotation with fungicides labeled for this use, as part of a resistance management strategy.

Crop	Target disease/pathogen (bacteria & fungi)	Additional information
Tobacco: (burley, binder, flue-cured, and dark)	Blue mold (<i>Peronospora tabacinum</i>)	Make preventive applications on a 7- to 14-day schedule whenever conditions favor disease development.

* Not for use in California.

TO REDUCE INFECTION BY POTATO VIRUS Y (PVY) IN POTATOES GROWN FOR SEED:

Mix the specified amount (listed below) of BmJ WG in clean water with sufficient agitation to maintain a uniform suspension in the spray or mixing tank.

Apply as a foliar spray in sufficient water to provide thorough and uniform coverage of the crop canopy.

Make the first application within 60-65 days after planting. Repeat application at 14-day intervals as long as aphid vectors are present and conditions are favorable for infection. BmJ WG may be applied up to five (5) times per crop cycle.

BmJ WG may be tank mixed or applied in rotation with chemical fungicides and insecticides used as part of standard pest management practices. Best results may occur when BmJ WG is used in conjunction with a “no gap” insecticide program for control of aphid vectors of PVY. Observe the most restrictive of the labeling limitations and precautions of all products used in mixtures. BmJ WG can be tank mixed with petroleum-based (paraffinic) oils used for aphid control, up to a maximum concentration of 2% oil (by volume) in the final spray mix. Effectiveness of BmJ WG may be reduced at oil concentrations higher than 2%.

Ground application rate: Apply 2 oz (60 grams) of BmJ WG in 15 to 30 gallons of water per acre.

Aerial application rate: Apply 1 oz (30 grams) of BmJ WG in 5 gallons of water per acre.

TO REDUCE INFECTION BY TOBACCO MOSAIC VIRUS (TMV) AND CUCUMBER MOSAIC VIRUS (CMV) IN TOMATOES GROWN OUTDOORS OR IN GREENHOUSES, SHADEHOUSES, OR OTHER COVER:

Mix BmJ WG at a rate of **4.5 ounces (128 grams) per 100 gallons of water** with sufficient agitation to maintain a uniform suspension in the spray or mixing tank. Refer to the **Rate Table** in the **FUNGI, OOCYTES, OR BACTERIA** section to determine the amount of BmJ WG required for different spray volumes.

Apply as a foliar spray in sufficient water to provide thorough and uniform coverage of the crop canopy.

For direct seeded tomatoes: Apply any time following emergence of first true leaf.

For transplants: Begin applications immediately before or after transplanting. Transplants may be treated in the greenhouse or nursery prior to transplanting in the field.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a dry area inaccessible to children. Store in original container only. Keep container closed when not in use. Store at temperatures below 77°F (25°C).

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: 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, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY

Certis USA LLC 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 disease problem, condition 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 material not in strict accordance with directions given herein. NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY IS MADE.

CHEMIGATION INSTRUCTIONS

Precautions:

Apply this product only through overhead sprinkler irrigation systems (including impact or microsprinklers, overhead boom, or solid set, including mist-type systems) or with hand-held calibrated irrigation equipment (such as a hand-held wand with injector). 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 chemigation:

“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.

1. 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, 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 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.
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 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 or, in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
5. 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.

6. Do not apply when wind speed favors drift beyond the area intended for treatment.
7. Remove scale, pesticide residues, and other foreign matter from the chemical supply tank and injector system and flush with clean water before use. Failure to provide a clean tank, free of scale or residues may reduce effectiveness of this product.
8. 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. Application should be continuous in sufficient water to apply the specified 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 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 that 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. Application should be continuous in sufficient water to apply the specified rate evenly to the entire treated area.
8. Do not apply when wind speed favors drift beyond the area intended for treatment.

Optional Text {may or may not appear}

- Front Panel Bursts
 -  FOR ORGANIC PRODUCTION
 -  CAN BE USED IN ORGANIC PRODUCTION
 - To Reduce Occurrence and Severity of Plant Disease on Listed [Food] Crops [and] [Tobacco] Grown Outdoors or Grown Under Cover in Greenhouses, Shadehouses, or Other Cover
- Referral Statements
 - See [side][back][right][left][inside][other] panel for [additional] [[precautionary] [and] [first aid] statements] [[use] directions [for use]]
 - See [attached] [booklet] [book] for [additional] [[precautionary] [and] [first aid] statements] [[use] directions [for use]]
 - Refer to [inside of] label booklet for [additional] [precautionary] [first aid] information [and] [[Directions] for Use] [including] [First Aid] [and] [Storage and Disposal]
 - Peel [back] [book] [booklet] [label] [here] [▶] [→] {may be accompanied by an arrow or other indicator}
- Hotline Number Text {may be used in place of the current “Hot Line Number 1-800-255-3924”}
 - In the event of a medical or chemical emergency,  contact North America 1-800-255-3924 or Worldwide Intl. +01-813-248-0585.
- PRN 97-4 Access Numbers/Website References
 - [Visit us at:] [company website address]
 - [Product] Questions[?] [company phone number]
 - Comments[?]: [company phone number and/or website address]
- Other Miscellaneous Items
 - Barcodes/SKUs
 - Label revision numbers
 - Allow the insertion of “this product” in place of the product name everywhere it appears in the directions for use.
 - Allow the use of equivalent units of measures (e.g., “1½ “ in place of “1.5”) and appropriate equivalent abbreviations (e.g., “1 Tbsp per gal” or similar in place of “1 tablespoon per gallon”) throughout the directions for use.