

U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs

Biopesticides and Pollution Prevention Division (7511P) 1200 Pennsylvania Ave., N.W.

Washington, D.C. 20460

NOTICE OF PESTICIDE:

X Registration
Reregistration
(under FIFRA, as amended)

EPA Reg. Number:	Date of Issuance:
92144-4	6/18/2020
Term of Issuance:	
Unconditional	

Name of Pesticide Product:

Forticept EP#3

Name and Address of Registrant (include ZIP Code):

Lidan, Inc. 30 Wall Street, 8th Floor New York, NY 10005

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product, always refer to the above EPA Registration Number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA or the Act).

Registration is in no way to be construed as an endorsement or recommendation of this product by the U.S. Environmental Protection Agency (EPA). In order to protect health and the environment, the Administrator, on his or her motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under the Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

- 1. Submit and/or cite all data required for registration or registration review of your product when the EPA requires all registrants of similar products to submit such data.
- 2. Submit Storage Stability and Corrosion Characteristics (Guidelines 830.6317 and 830.6320) data as these data requirements are not satisfied. A one-year study is required to satisfy these data requirements. You have 18 months from the date of this registration to provide these data to the EPA.

•	Date:
andrew . Buycelow	6/18/2020
Andrew Bryceland, Team Leader	
Biochemical Pesticides Branch	
Biopesticides and Pollution Prevention Division (7511P)	
Office of Pesticide Programs	

EPA Form 8570-6

Signature of Approving Official:

- 3. Make the following labeling change before you release this product for shipment: Revise the EPA Registration Number to read, "EPA Reg. No. 92144-4".
- 4. Submit one (1) copy of the final printed labeling for the record before you release this product for shipment.

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 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 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 false or misleading statements or claims substantially differing from the EPA-approved 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. A stamped copy of the labeling is enclosed for your records. Please also note that the record for this product currently contains the following acceptable Confidential Statement of Formula (CSF):

• Basic CSF dated 4/16/19

If you have any questions, please contact Chris Pfeifer of my team by phone at 703-308-0031 or via email at pfeifer.chris@epa.gov.

Sincerely,

Andrew Bryceland, Team Leader Biochemical Pesticides Branch Biopesticides and Pollution Prevention Division (7511P)

Office of Pesticide Programs

Note to reviewer: language in brackets [] is optional

MASTER LABEL

ACCEPTED

06/18/2020

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 92144-4

ForticeptTM EP #3

Alternate Brand Names:

Sublabel A: Agricultural Crops

Sublabel B: Turf & Professional Landscape Use

Sublabel C: Home & Garden Use

EPA Registration No.: (file symbol 92144-U)

Sublabel A: Agricultural Crops

ForticeptTM EP #3

A botanical based product to protect against certain fungal and bacterial diseases.

Active ingredient: Thyme oil	1.00 %
Other ingredients:	99.00 %
Total	100.00 %

KEEP OUT OF REACH OF CHILDREN CAUTION

	FIRST AID			
IF SWALLOWED:	Call 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 the poison control center or			
	doctor. Do not give anything by mouth to an unconscious person.			
IF ON SKIN OR	Take off contaminated clothing. Rinse skin immediately with plenty			
CLOTHING:	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 by 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 15-20			
	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 if going for treatmen				

Net Contents: 1 pint, 1 quart, 1 gallon, 2.5 gallon, 5 gallon, 55 gallon drum, 275 gallon tote EPA Registration No. 92144-U

EPA Est. No. 93544-GA-1, 67441-IL-1, 082521-GA-1, 92957-MI-1, 70299-NV-2, 70299-NV-1

Lidan, Inc., 30 Wall Street, 8th Floor, New York, NY 10005-2205

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Avoid contact with skin, eyes, or clothing. Wear goggles or safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Waterproof gloves
- Protective eyewear

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

USER SAFETY RECOMMENDATIONS

- User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- User should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.
- Wash the outside of gloves before removing.

ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, 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.

(Use the following additional statement for containers that hold 5 gallons or more: Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.)

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 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 exemptions pertaining to the statements on this label about personal protective equipment (PPE) and the restricted-entry interval (REI). 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 0 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

GENERAL INFORMATION

ForticeptTM EP #3 is formulated with thyme oil, a botanical extract. ForticeptTM EP #3's proprietary formulation stabilizes the thyme oil, reducing its volatility, improving contact time with plant surfaces, and improving efficacy against target fungal and bacterial pathogens. The product is for bacterial and fungal disease control on ornamental plants, turf, and edible crops. ForticeptTM EP #3 applied to actively growing plants (see DIRECTIONS FOR USE) will reduce or control incidence of bacterial and fungal disease and improve plant health. Plant health benefits often result in greater yields and improved crop quality at harvest, especially when crops are stressed by pathogens or environmental conditions. Use ForticeptTM EP #3 as a curative application when disease is evident but preventative application is recommended when conditions favor development of bacterial or fungal disease. Apply prior to disease infestation to protect the growing leaf tissue. See specific information for diseases controlled and use rates on ornamental plants, turf, and edible crops.

MODE OF ACTION

Thyme oil extracted from *Thymus* spp. plant material is a powerful antifungal and antibacterial agent. The extract, when applied to growing crops, controls fungal and bacterial disease organisms by membrane disruption. ForticeptTM EP #3 is an improved efficacy formulation using a proprietary stabilization technology to reduce the volatility of the the botanical active, increasing contact time with target disease organisms to reduce or control both bacterial and fungal diseases.

The control of diseases is not systemic, but provides some translaminar protection. Repeat foliar applications at 7 - 14-day intervals to maintain disease control and to protect new plant growth.

Use ForticeptTM EP #3 as a preventative or curative treatment.

MIXING AND APPLICATION INSTRUCTIONS - SHAKE WELL PRIOR TO USE -

ForticeptTM EP #3 is an emulsifiable concentrate containing oil extracted from *Thymus* spp. Use 100-mesh nozzle screens or larger.

See CHEMIGATION section for chemigation use directions. See PRE-PLANT DIP section for pre-plant dip use directions. See SEED TREATMENT section for seed treatment use directions. See SOIL TREATMENT section for soil application use directions.

Use higher water volumes with larger sized crops and extensive foliage to secure thorough coverage.

ForticeptTM EP #3 alone: Add ½ of the required amount of water to the mix tank. With the agitator running, add the ForticeptTM EP #3 to the mix tank. Continue agitation while adding the remainder of the water. Begin application of the solution after the ForticeptTM EP #3 has completely dispersed into the mix water. Maintain agitation until all the mixture has been applied.

ForticeptTM EP #3 + tank-mixtures: Add ½ - ¾ of the required amount of water to the mix tank. Start the agitation before adding any tank mix partners. In general, tank-mix partners should be added in this order: wettable powders, dry flowable formulations, liquid flowable formulations, and emulsifiable formulations such as ForticeptTM EP #3. Always allow each tank-mix partner to become completely dispersed before adding the next component. Maintain continuous agitation until all components have been dispersed and throughout the application process. After all components are completely dispersed add the remainder of the water. ForticeptTM EP #3 cannot be mixed with another product with a prohibition against mixing. Use of the tank mix must be in accordance with the more

restrictive label limitations and precautions. Do not pre-mix ForticeptTM EP #3 with any other tank mix component prior to adding to the spray tank.

Compatibility: Do not combine ForticeptTM EP #3 in the spray tank with pesticides, adjuvants, or fertilizers if there has been no previous experience or use of the combination to show it is physically compatible, effective, and non-injurious under your use conditions.

ForticeptTM EP #3 is compatible with many commonly used pesticides, fertilizers, adjuvants, and surfactants, but has not been evaluated with all potential combinations. To ensure compatibility of the tank mix combinations, evaluate prior to use as follows: Using a suitable container, add the proportional amounts of product to water. Add wettable powders first, then water dispersible granules, then liquid flowables, and lastly, emulsifiable concentrates. Mix thoroughly and let stand for at least five minutes. If the combination stays mixed or can be remixed, it is physically compatible. Test the mix on a small portion of the crop to be treated to ensure that a phytotoxic response will not occur as a result of the application.

CHEMIGATION USE DIRECTIONS

Apply ForticeptTM EP #3 at 1 gallon per acre according to the instructions below unless specified differently in the SELECTED CROPS section.

CHEMIGATION

General Requirements -

- 1) Apply this product only through a drip system or sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, hand move, flood (basin), furrow, border or drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation system.
- 2) Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
- 3) If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
- 4) 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.
- 5) 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.

Specific Requirements for Chemigation Systems Connected to 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) 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.
- 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.
- 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.

Specific Requirements for 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.
- 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 filled with a system interlock.
- 7) Do not apply when wind speed favors drift beyond the area intended for treatment.

Specific Requirements for 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 for water source contamination from backflow if water flow stops.
- 2) The 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 (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Specific Requirements for 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.
- 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.

Application Instructions for All Types of Chemigation -

- Remove scale, pesticide residues, and other foreign matter from the chemical supply tank and entire injector system. Flush with clean water. Failure to provide a clean tank, void of scale or residues may cause product to lose effectiveness or strength.
- 2) Determine the treatment rates as indicated in the directions for use and make proper dilutions. Product can be applied continuously or at any time during the water application.
- Prepare a solution in the chemical tank by filling the tank with the required water and then adding product as required.

PRE-PLANT DIP USE DIRECTIONS

ForticeptTM EP #3 can be applied as a pre-plant dip for improved plant health and suppression of certain soil-borne diseases. Apply ForticeptTM EP #3 at (96-192 ounces) (3-6 quarts) product per 10 gallons of water as a pre-plant dip immediately prior to transplanting, unless specified differently in the SELECTED CROPS section.

SOIL TREATMENT USE DIRECTIONS

ForticeptTM EP #3 can be applied by soil drench, in-furrow spray, or soil injection to improve plant health and to protect against certain soil-borne diseases.

In general, ForticeptTM EP #3 can be applied by the following methods, unless specified differently in the SELECTED CROPS section:

Soil Drench Applications:

Apply ForticeptTM EP #3 at a concentration of 12 gallons per 100 gallons of water, and at a sufficient rate to thoroughly soak the growing media and root zone. Make an initial application of ForticeptTM EP #3 during or shortly after transplant to reduce transplant shock, suppress soil-borne diseases and improve root growth. Multiple drench applications can be made on a 10 -14 day interval.

Shanked-In and Injected Applications:

ForticeptTM EP #3 can be shanked-in or injected into the soil alone, or with most types of liquid nutrients.

In-Furrow Applications:

At planting, apply ForticeptTM EP #3 as an in-furrow spray at the rate of 1 gallon per acre or 8.8 fluid ounces per 1000 feet of row according to the chart below. Apply ForticeptTM EP #3 in 5 - 15 gallons of water so as the spray is directed into the seed furrow just before the seeds are covered.

Rate			In-Furrow App Product per	plication Rates Acre (fl. oz.)		
	30" Rows	32" Rows	34" Rows	36" Rows	38" Rows	40" Rows
26.4 fl. oz. per 1000 ft. row	153.2	144.0	135.2	128.0	121.2	114.8

30" = 17,424 row ft./acre, 32" = 16,315 row ft./acre, 34" = 15,374 row ft./acre, 36" = 14,520 row ft./acre, 38" = 13,754 row ft./acre, 40" = 13,068 row ft./acre.

APPLICATION RATES FOR SELECTED CROPS

ForticeptTM EP #3 used as specified will improve plant health and reduce or control incidence of the bacterial and fungal diseases listed below.

ForticeptTM EP #3 is exempt from tolerances and may be applied as directed to any food or non-food crop up to and including the day of harvest at a rate not exceeding 720 fl. oz. (7.2 oz. active ingredient) per acre per application.

The use rate for ForticeptTM EP #3 applied alone, tank mixed, or as an alternate spray is 3 gallons per 29-159 gallons of water (0.625%-3.3% v/v dilution of ForticeptTM EP #3) applied at a spray volume of 15 - 100 gallons per acre. Use higher water volumes with larger sized crops and extensive foliage in order to secure thorough coverage. See specific application instructions pertaining to each crop for additional details.

For greenhouse application on the crops and diseases listed, the use rate for ForticeptTM EP #3 applied alone, tank mixed, or as an alternate spray is 3 gallons in 29-119 gallons of water (0.833%-3.3% v/v dilution of ForticeptTM EP #3) sprayed until just before point of runoff. Repeat at 7-14-day intervals as needed. See specific application instructions for each crop for additional details.

Сгор	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Artichoke	Powdery Mildew (Erysiphe cichoracearum) (Leveillula taurica) Ramularia Leaf Spot (Ramularia cynarae)	Foliar (Ground) Chemigation	3 gallons per 29-159 gallons of water (0.625%- 3.3% v/v dilution) 3 gallons per 29-159 gallons of water (0.625%- 3.3% v/v dilution)	Apply at a spray volume sufficient to ensure thorough coverage to the point of runoff - generally 15-25 gallons per acre. Apply this product preventatively or when the first disease symptoms are visible and reapply every 7 - 14-days. For chemigation applications for improved plant growth and suppression of soil-borne diseases, apply this product through drip irrigation immediately after transplant and at 14-day intervals or begin 14 days after transplant when soil drench applications are used.
Asparagus	Botrytis Blight (Botrytis cinerea) Rust (Puccinia aspargi)	Foliar (Ground)	3 gallons per 29-159 gallons of water (0.625%- 3.3% v/v dilution)	Apply at a spray volume sufficient to ensure thorough coverage to the point of runoff - generally 15-25 gallons per acre. Apply this product preventatively or when the first disease symptoms are visible and reapply every 7 - 14-days.

Crop	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Bushberries and Caneberries Blueberry Blackberry (all varieties) Cranberry Currant Elderberry Gooseberry Huckleberry Juneberry Ligonberry Raspberry (red and black) Salal and other berry crops	Mummy Berry (Monilinia vaccinii- corymbosi), Alternaria Fruit Rot (Alternaria spp.) Anthracnose Fruit Rot (Colletotrichum acutatum) Bacterial Canker (Pseudomonas syringae) Botrytis Blight (Botrytis cinerea) Leaf Rust (Pucciniastrum vaccinii) Leaf Spot and Blotch (Mycosphaerella spp.) (Septoria spp.) Phomopsis Leaf Spot, Twig Blight, and Fruit Rot (Phomopsis spp.) Powdery Mildew (Microsphaera alni) Spur Blight (Didymella spp.) (Phoma spp.)	Foliar (Ground)	3 gallons per 29-159 gallons of water (0.625%-3.3% v/v dilution)	Apply at a spray volume sufficient to ensure thorough coverage to the point of runoff - generally 15-25 gallons per acre. Apply this product preventatively or when the first disease symptoms are visible and reapply every 7 - 14-days. Mummy Berry – Initiate application at bud break stage of development. Apply this product preventatively and repeat on a 7 - 10-day interval or as needed. For best performance, tank mix this product with other registered fungicides for Mummy Berry control. Botrytis Blight – Apply this product preventatively when the first disease symptoms are visible and reapply every 7 - 14-days. Bacterial Canker – Apply this product prior to Fall rains and repeat applications during dormancy before Spring growth. This product can be tank mixed with another registered fungicide for improved control of bacterial canker. Anthracnose Fruit Rot and Alternaria Fruit Rot on blueberries – Initiate applications on a 7 - 10- day.

Crop	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Bulb Vegetables Onion (Bulb and Green) Garlic Leek Shallot and other bulb vegetable crops	Botrytis Leaf Blight (Botrytis squamosa) Botrytis Neck Rot (Botrytis spp.) Downy Mildew (Peronospora spp.) Onion Downy Mildew (Peronospora destructor) Onion Purple Blotch (Alternaria porri) Powdery Mildew (Erysiphe spp.) Rust (Puccinia porri) Stemphyllium Leaf Blight (Stemphylium vesicarium)	Foliar	3 gallons per 29-159 gallons of water (0.625%- 3.3% v/v dilution)	Apply at a spray volume sufficient to ensure thorough coverage to the point of runoff - generally 15-25 gallons per acre. Apply this product preventatively or when the first disease symptoms are visible and reapply every 7 - 14-days.
	Fusarium spp. Pythium spp. Rhizoctonia spp.	Soil Drench	12 gallons per 100 gallons of water (3.84% v/v dilution)	For soil drench applications, apply this product at a concentration of 12 gallons per 100 gallons of water, and at a sufficient rate to thoroughly soak the growing media and root zone. Make an initial application of this product during or shortly after transplant to reduce transplant shock, suppress soil-borne diseases and improve root growth. Multiple drench applications can be made on a 10 - 14 day interval.

In-Furrow	3 gallons per acre or 26.4 fluid ounces per 1000 feet of row.	For in-furrow applications, at planting apply this product as an in-furrow spray at the rate of 1 gallon per acre or 26.4 fluid ounces per 1000 feet of row according to the chart in the SOIL TREATMENT USE DIRECTIONS section. Apply this product in 5 - 15 gallons of water so as the spray is directed into the seed furrow just before the seeds are covered.
Chemigation	3 gallons per 29-159 gallons of water (0.625%- 3.3% v/v dilution)	For chemigation applications, apply this product through irrigation at the rate of 1-4 quarts per acre immediately after transplant and at 14-day intervals or begin 14 days after transplant when plant dip or soil drench applications are used.
Plant Dip	3-6 quarts (96-192 oz.) per 10 gallons water (2.4-4.8% v/v dilution)	For plant dip applications for improved plant growth and suppression of soilborne diseases, apply this product as a pre-plant dip immediately prior to transplanting.

Сгор	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Cereal Grains Barley Buckwheat Grain Amaranth Milo Oat Millets Rice Rye Sorghum Triticale Wheat and other cereal grain crops	Powdery Mildew (Erysiphe graminis) Bacterial Blight and Streak (Xanthomonas spp.) Brown Rot, Leaf Spots & Smuts (Ceratobasidium spp.) (Cercospora spp.) (Cochliobolus spp.) (Drechslera spp.)	Foliar (Ground)	3 gallons per 29-159 gallons of water (0.625%- 3.3% v/v dilution)	For ground applications to optimize disease control and to maximize yields, apply this product in 15 - 40 gallons of water per acre. It is important to apply this product at the flag leaf stage to maximize yield. Apply this product preventatively or when the first disease symptoms appear. Repeat applications in 7 - 14-day intervals depending upon crop growth and disease pressure. When the plants are under high disease pressure, tank mix this product with another fungicide for more effective control.

Smut (Tilletia barclayana)		(Tilletia	Foliar (Aerial)	3 gallons per 5-15 gallons of water (6.25-16.67% v/v dilution)	For aerial applications, apply this product in a minimum of 5 gallons water per acre. It is important to apply this product at the flag leaf stage to maximize yield. Apply this product preventatively or when the first disease symptoms appear. Repeat applications in 7 - 14-day intervals depending upon crop growth and disease pressure. When the plants are under high disease pressure, tank mix this product with another registered fungicide for more effective control.
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Crop	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Citrus Crops Orange Grapefruit Lemon Tangelo Tangerine Pummelo and other citrus crops	Bacterial Canker (Xanthomonas spp.) Alternaria Brown Spot (Alternaria alternata) Bacterial Blast (Pseudomonas syringae) Black Spot	Foliar (Ground)	3 gallons per 29-159 gallons of water (0.625%- 3.3% v/v dilution)	For ground applications, apply this product preventatively in 50-150 gallons of water per acre. For improved performance, use this product in a tank mix or rotational program with other registered fungicides. Repeat applications at 7 - 14-day intervals. Avoid excessive amounts of water that result in the runoff of spray material.
	(Guignardia citricarpa) (Phyllosticta citricarpa) Greasy Spot (Mycosphaerella citri)	Foliar (Aerial)	3 gallons per 5-15 gallons of water (6.25-16.67% v/v dilution)	For aerial applications, apply this product in a minimum of 5 gallons water per acre. For improved performance, use this product in a tank mix or rotational program with other registered fungicides.

Melanose (Diaporthe citri)		Repeat applications at 7 - 14-day intervals.
Postbloom Fruit Drop (Colletotrichum acutatum)		
Scab (Elsinoe australis) (Elsinoe fawcetti)		

Сгор	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Cole Crops (Brassicas) Broccoli Broccoli Rabe Brussels Sprouts Cabbage Chinese Broccoli	Powdery Mildew (Erysiphe cruciferarum) (Erysiphe polygoni) Alternaria Leaf Spot (Alternaria spp.) Downy Mildew (Peronospora parasitica) Pin Rot Complex	Foliar (Ground)	3 gallons per 29-159 gallons of water (0.625%-3.3% v/v dilution)	Apply at a spray volume sufficient to ensure thorough coverage to the point of runoff - generally 15-25 gallons per acre. Apply this product preventatively or when the first disease symptoms are visible and reapply every 7 - 14-days.
Chinese Cabbage (Bok Choy) Chinese Cabbage (Napa) Chinese Mustard Cabbage(Gai Choy) Cauliflower Cavalo Collards Kale Kohlrabi Mizuna Mustard Greens Mustard Spinach Rape Greens Turnip and other cole crops	Alternaria/Xanthomonas) Xanthomonas Leaf Spot (Xanthomonas campestris)	Foliar (Aerial)	3 gallons per 5- 15 gallons of water (6.25- 16.67% v/v dilution)	For aerial applications, apply this product in a minimum of 5 gallons water per acre. For improved performance, use this product in a tank mix or rotational program with other registered fungicides. Repeat applications at 7 - 14-day intervals.

Crop	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Corn Sweet Corn Field Corn Popcorn Silage Corn Seed Corn and other corn crops (includes crops grown for seed)	Anthracnose Leaf Blight (Colletotrichum graminicola) Eye Spot (Aureobasidium zeae) Gray leafspot (Cercospora zeae-maydis)	Foliar (Ground)	3 gallons per 29-159 gallons of water (0.625%-3.3% v/v dilution)	For ground applications to optimize disease control and to maximize yields, apply this product preventatively in 15 - 40 gallons of water per acre prior to disease development using sufficient volume for thorough coverage. Consult your local Extension Specialist or Crop Consultant regarding the optimum timing of fungicide applications.
	Rusts (Puccinia spp.) Northern Leaf Blight (Exserohilum turcicum) Northern Leaf Spot (Cochiliobus carbonum) Southern Leaf Blight (Cochliobolus heterostrophus)	Foliar (Aerial)	3 gallons per 5- 15 gallons of water (6.25- 16.67% v/v dilution)	For aerial applications, apply this product in a minimum of 5 gallons water per acre. For improved performance, use this product in a tank mix or rotational program with other registered fungicides. Repeat applications at 7 - 14-day intervals.

Crop	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Cotton	Alternaria Leaf Spot, Boll Rot (Alternaria spp.) Anthracnose, Boll Rot	Foliar (Ground)	3 gallons per 29-159 gallons of water (0.625%- 3.3% v/v dilution)	For ground applications for foliar and Boll Rot disease control, apply this product preventatively in 15 gallons of water per acre prior to disease development using sufficient volume for thorough coverage.

Ascochyta Blight, Boll Rot (Ascochya spp.) Cereospora Blight and Leaf Spot (Cereospora spp.) Diplodia Boll Rot (Diplodia spp.) Hard Lock, Boll Rot (Phoma spp.) Leaf Spot (Corpospora cassicola) Phoma Blight, Boll Rot (Phoma spp.) Rust (Puccinia spp.) Eusarium spp. Time Turrow Stemphyllium Leaf Spot (Stemphyllium Spp.) Stemphyllium Leaf Spot (Stemphyllium Spp.) Fusarium spp. In-Furrow Pythium spp. Fusarium spp. For in-furrow applications, at planting apply this product as an in-furrow spray at the rate of a gallons per acre or 26-4 fluid ounces per 1000 feet of row according to the chart in the SOIL TREATMENT USE DIRECTIONS section. Apply this product in 5 - 15 gallons of water so as the spray is directed into the seed furrow yust before	(Glomeria spp.)			Repeat applications at 7 - 14-day
Rof (Ascachyta spp.) Cercospora Blight and Leaf Spot (Cercospora spp.) Diplodia Boll Rot (Diplodia spp.) Hard Lock, Boll Rot (Corynespora cassicola) Phoma Blight, Boll Rot (Phoma spp.) Rust (Puccinia spp.) Stemphyllium Leaf Spot (Stemphyllium spp.) For improved performance, use this product in a tank mix or rotational program with other registered fungicides. Repeat applications at 7 - 14-day intervals. For improved performance, use this product in a tank mix or rotational program with other registered fungicides. Repeat applications at 7 - 14-day intervals. For improved performance, use this product in a tank mix or rotational program with other registered fungicides. Repeat applications at 7 - 14-day intervals. For imfurow applications, at 7 - 14-day intervals. For in-furrow applications, at planting apply this product as a planting apply this products as or according to the chart in the SOIL TREATMENT USE DIRECTIONS section. Apply this product in 5 - 15 gallons of water (6.25-16.67% v/v dilution) For aerial applications, apply this product in a tank mix or rotational program with other registered fungicides. For improved performance, use this product in a tank mix or rotational product in 5 - 14-day intervals.	Ascochyta			
Cercospora Blight and Leaf Spot (Cercospora spp.) Diplodia Boll Rot (Diplodia spp.) Hard Lock, Boll Rot (Fusarium spp.) Leaf Spot (Corynespora cassicola) Phoma Blight, Boll Rot (Phoma spp.) Rust (Puccinia spp.) (Phykopsora spp.) Stemphyllium Leaf Spot (Stemphyllium spp.) Fusarium spp. Fusarium spp. Fusarium spp. Pythium spp. Pythium spp. Rhizoctonia spp. Rhizoctonia spp. Perticillium For improved performance, use this product in a tank mix or rotational program with other registered fungicides. Repeat applications at 7 - 14-day intervals. For improved performance, use this product in a tank mix or rotational program with other registered fungicides. Repeat applications at 7 - 14-day intervals. For improved performance, use this product in a tank mix or rotational program with other registered fungicides. Repeat applications at 7 - 14-day intervals. For improved performance, use this product in a tank mix or rotational program with other registered fungicides. Repeat applications at 7 - 14-day intervals. For improved performance, use this product in a tank mix or rotational program with other registered fungicides. Repeat applications at 7 - 14-day intervals.	Rot (Ascochyta		of water (6.25-16.67% v/v	
Rot (Diplodia spp.) Hard Lock, Boll Rot (Fusarium spp.) Leaf Spot (Corynespora cassicola) Phoma Blight, Boll Rot (Phoma spp.) Rust (Puccinia spp.) (Phykopsora spp.) Stemphyllium Leaf Spot (Stemphyllium spp.) Fusarium spp. Fusarium spp. Phytophthora spp.) Pythium spp. Pythium spp. Rhizoctonia spp. Pythium spp. Rhizoctonia spp. Pythium spp. Rhizoctonia spp. Rhizoctonia spp. Rhizoctonia spp. Pythium spp. Rhizoctonia spp. Pythium spp. Rhizoctonia spp. Rhizoctonia spp. Pythium spp. Rhizoctonia spp. Rick Provincia spp. Rust Provincia s	Blight and Leaf Spot (Cercospora			this product in a tank mix or rotational program with other
Boll Rot (Fusarium spp.) Leaf Spot (Corynespora cassicola) Phoma Blight, Boll Rot (Phoma spp.) Rust (Puccinia spp.) (Phykopsora spp.) Stemphyllium Leaf Spot (Stemphyllium spp.) Fusarium spp. In-Furrow Pythium spp. Pythium spp. Pythium spp. Rhizoctonia spp. Pythium spp. Pythium spp. Rhizoctonia spp. Pythium spp. Pythium spp. Pythium spp. Rhizoctonia spp. Pythium spp. Rhizoctonia spp. Pythium spp. Rhizoctonia spp. Pythium spp. Rhizoctonia spp. Pythium spp. Rhizoctonia spp. Pythium spp. Rhizoctonia spp. Pythium spp. Rhizoctonia spp. Pythium spp. Rhizoctonia spp. Pythium spp. Rhizoctonia spp. Pythium spp. Rhizoctonia spp. Pythium spp. Rhizoctonia spp. Pythium spp. Rhizoctonia spp. Pythium spp. Rhizoctonia spp. Pythium spp. Pythium spp. Rhizoctonia spp. Pythium sp	Rot			Repeat applications at 7 - 14-day intervals.
(Corynespora cassicola) Phoma Blight, Boll Rot (Phoma spp.) Rust (Puccinia spp.) (Phykopsora spp.) Stemphyllium Leaf Spot (Stemphyllium spp.) Fusarium spp. In-Furrow 3 gallons per acre or 26.4 fluid ounces per 1000 feet of row. Pythium spp. Pythium spp. Pythium spp. Rhizoctonia spp. Rhizoctonia spp. Verticillium	Boll Rot			
Boll Rot (Phoma spp.) Rust (Puccinia spp.) (Phykopsora spp.) (Phykopsora spp.) Stemphyllium Leaf Spot (Stemphyllium spp.) Fusarium spp. In-Furrow 3 gallons per acre or 26.4 fluid ounces per 1000 feet of row. Phytophthora spp. Pythium spp. Rhizoctonia spp. Rhizoctonia spp. Rhizoctonia spp. Verticillium	(Corynespora			
(Puccinia spp.) (Phykopsora spp.) (Phykopsora spp.) (Stemphyllium Leaf Spot (Stemphyllium spp.) Fusarium spp. In-Furrow 3 gallons per acre or 26.4 fluid ounces per 1000 feet of row. spp. Pythium spp. Pythium spp. Rhizoctonia spp. Rhizoctonia spp. Verticillium In-Furrow 3 gallons per acre or 26.4 fluid ounces per 1000 feet of row according to the chart in the SOIL TREATMENT USE DIRECTIONS section. Apply this product in 5 - 15 gallons of water so as the spray is directed into the seed furrow just before	Boll Rot			
Leaf Spot (Stemphyllium spp.) Fusarium spp. In-Furrow 3 gallons per acre or 26.4 fluid ounces per 1000 feet of row. Pythium spp. Pythium spp. Phizoctonia spp. Rhizoctonia spp. Verticillium For in-furrow applications, at planting apply this product as an in-furrow spray at the rate of 3 gallons per acre or 26.4 fluid ounces per 1000 feet of row according to the chart in the SOIL TREATMENT USE DIRECTIONS section. Apply this product in 5 - 15 gallons of water so as the spray is directed into the seed furrow just before	(Puccinia spp.) (Phykopsora			
fluid ounces per 1000 feet of row. fluid ounces per 1000 feet of row. planting apply this product as an in-furrow spray at the rate of 3 gallons per acre or 26.4 fluid ounces per 1000 feet of row according to the chart in the SOIL TREATMENT USE DIRECTIONS section. Apply this product in 5 - 15 gallons of water so as the spray is directed into the seed furrow just before	Leaf Spot (Stemphyllium			
Phytophthoraof row.in-furrow spray at the rate of 3spp.gallons per acre or 26.4 fluidPythium spp.according to the chart in theRhizoctoniaDIRECTIONS section. Applyspp.this product in 5 - 15 gallons ofVerticilliumwater so as the spray is directedin-furrow spray at the rate of 3gallons per acre or 26.4 fluidounces per 1000 feet of rowaccording to the chart in theSOIL TREATMENT USEDIRECTIONS section. Applythis product in 5 - 15 gallons ofwater so as the spray is directedinto the seed furrow just before	Fusarium spp.	In-Furrow		
Pythium spp. Rhizoctonia spp. Rhizoctonia spp. Werticillium according to the chart in the SOIL TREATMENT USE DIRECTIONS section. Apply this product in 5 - 15 gallons of water so as the spray is directed into the seed furrow just before				in-furrow spray at the rate of 3 gallons per acre or 26.4 fluid
spp. this product in 5 - 15 gallons of water so as the spray is directed into the seed furrow just before				according to the chart in the SOIL TREATMENT USE
Verticillium into the seed furrow just before				this product in 5 - 15 gallons of
spp. the seeds are covered.				into the seed furrow just before

Сгор	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Cucurbits Includes all types and hybrids of: Chayote Chinese waxgourd Cucumber Citron melon Gherkin Pumpkin Watermelon Edible Gourd: Chinese okra Cucuzza Hyotan Mormordica spp.: Balsam apple Balsam pear Bitter melon Chinese cucumber Muskmelon: Cantaloupe Casaba Crenshaw melon Golden pershaw melon Honeydew melon Honey balls Mango melon	Powdery Mildew (Erysiphe cichoracearum) (Sphaerotheca fuliginea) Anthracnose (Colletotrichum lagenarium) Alternaria Blight (Alternaria cucumerina) Cercospora Leaf Spot (Cercospora citrulina) Damping-off (Fusarium spp.) (Pythium spp.) (Phytophthora sp.) (Rhizoctonia solani) Downy Mildew (Pseudoperonospora cubensis) Gummy Stem Blight (Didymella bryoniae) Phytophthora Blight (Phytophthora capsici)	Foliar (Ground) Foliar (Aerial)	3 gallons per 29-159 gallons of water (0.625%- 3.3% v/v dilution) 3 gallons per 5-15 gallons of water (6.25-16.67% v/v dilution)	Apply at a spray volume sufficient to ensure thorough coverage to the point of runoff - generally 15-25 gallons per acre. Apply this product preventatively or when the first disease symptoms are visible and reapply every 7 - 14-days. For aerial applications, apply this product in a minimum of 5 gallons water per acre. For improved performance, use this product in a tank mix or rotational program with other registered fungicides. Repeat applications at 7 - 14-day intervals.
Persian melon Pineapple melon Santa Claus melon Snake melon Summer Squash: Crookneck squash Scallop squash	Fusarium spp. Phytophthora spp. Pythium spp. Rhizoctonia spp. Verticillium spp.	Soil Drench	12 gallons per 100 gallons of water (3.84% v/v dilution)	For soil drench applications, apply this product at a concentration of 12 gallons per 100 gallons of water, and at a sufficient rate to thoroughly soak the growing media and root zone. Make an initial application of this product during or shortly after transplant to reduce transplant shock, suppress soil-borne diseases and improve root growth. Multiple drench

Straightneck squash Vegetable marrow Zucchini			applications can be made on a 10 - 14 day interval.
Winter Squash: Acorn squash Butternut squash Calabaza Hubbard squash Spaghetti squash and other cucurbit crops	In-Furrow	3 gallons per acre or 26.4 fluid ounces per 1000 feet of row.	For in-furrow applications, at planting apply this product as an in-furrow spray at the rate of 3 gallons per acre or 26.4 fluid ounces per 1000 feet of row according to the chart in the SOIL TREATMENT USE DIRECTIONS section. Apply this product in 5 - 15 gallons of water so as the spray is directed into the seed furrow just before the seeds are covered.
	Plant Dip	3-6 quarts (96-192 oz.) per 10 gallons water (2.4-4.8% v/v dilution)	For plant dip applications for improved plant growth and suppression of soil-borne diseases, apply this product as a pre-plant dip immediately prior to transplanting.
	Chemigation	3 gallons per 29-159 gallons of water (0.625%- 3.3% v/v dilution)	For chemigation applications for improved plant growth and suppression of soil-borne diseases, apply this product through drip irrigation immediately after transplant and at 14-day intervals or begin 14 days after transplant when soil drench applications are used.

Crop	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Fruiting	Bacterial Blight	Foliar	3 gallons per	For ground applications, apply this
Vegetables	(Xanthomonas spp.)	(Ground)	29-159	product preventatively in 25 - 100
			gallons of	gallons of water per acre. Increase
Tomato	Bacterial Spot		water	water volume as plant size increases.
Pepper	(Xanthomonas spp.)		(0.625%-	
Eggplant			3.3% v/v	Repeat applications at 7 - 10-day
Ground Cherry	Bacterial Speck		dilution)	intervals.
Okra	(Pseudomonas		ŕ	
Tomatillo	syringae)			Tank mix this product with other
and other				registered fungicides for improved
fruiting	Black Mold			disease control under heavy pressure.
vegetable crops				3 1

(Alternaria alternata) Damping-off (Fusarium spp.) (Pythium spp.) (Rhizoctonia solani) Early Blight (Alternaria solani) Gray Mold (Botrytis cinerea) Late Blight(Phytophthora infestans) Phytophthora Blight (Phytophthora capsici) Powdery Mildew (Erysiphe spp.) (Leveillula taurica) (Oidopsis taurica) (Sphaerotheca spp.) Target Spot (Corynespora cassiicola)	Foliar (Aerial)	3 gallons per 5-15 gallons of water (6.25-16.67% v/v dilution)	Phytophthora Blight - Apply this product in combination with labeled rates of a copper fungicide or with another fungicide labeled for Phytophthora Blight control. For aerial applications, apply this product in a minimum of 10 gallons of water per acre. Repeat applications at 7 - 10-day intervals. Tank mix this product with other registered fungicides for improved disease control under heavy pressure. Phytophthora Blight - Apply this product in combination with labeled rates of a copper fungicide.
Fusarium spp. Phytophthora spp. Pythium spp. Rhizoctonia spp. Verticillium spp.	Soil Drench	12 gallons per 100 gallons of water (3.84% v/v dilution)	For soil drench applications, apply this product at a concentration of 12 gallons per 100 gallons of water, and at a sufficient rate to thoroughly soak the growing media and root zone. Make an initial application of this product during or shortly after transplant to reduce transplant shock, suppress soil-borne diseases and improve root growth. Multiple drench applications can be made on a 10 - 14 day interval.
	In-Furrow	3 gallons per acre or 26.4 fluid ounces per 1000 feet of row.	For in-furrow applications, at planting apply this product as an in-furrow spray at the rate of 3 gallons per acre or 26.4 fluid ounces per 1000 feet of row according to the chart in the SOIL TREATMENT USE DIRECTIONS section. Apply this product in 5 - 15 gallons of water so as the spray is

			directed into the seed furrow just before the seeds are covered.
	Plant Dip	3-6 quarts (96-192 oz.) per 10 gallons water (2.4-4.8% v/v dilution)	For plant dip applications for improved plant growth and suppression of soil-borne diseases, apply this product as a pre-plant dip immediately prior to transplanting.
	Chemigation	3 gallons per 29-159 gallons of water (0.625%- 3.3% v/v dilution)	For chemigation applications for improved plant growth and suppression of soil-borne diseases, apply this product through drip irrigation immediately after transplant and at 14-day intervals or begin 14 days after transplant when soil drench applications are used.

Crop	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Grape	Powdery Mildew (Uncinula necator) Angular Leaf Spot (Mycosphaerella angulata) Anthracnose (Elsinoe ampelina) Botrytis Bunch Rot (Botrytis cinerea) Black Rot (Guignardia bidwellii) Downy Mildew (Plasmopara viticola) Eutypa (Eutypa lata) Leaf Blight (Pseudocercospora vitis)	Foliar	3 gallons per 29-159 gallons of water (0.625%-3.3% v/v dilution)	Apply at a spray volume sufficient to ensure thorough coverage to the point of runoff - generally 15-25 gallons per acre. Apply this product preventatively or when the first disease symptoms are visible and reapply every 7 - 14-days.

Phomopsis Fruit Rot (Phomopsis viticola) Ripe Rot (Colletotrichum gloeosporioides) Sour Rot (Alternaria tenuis) (Aspergillus spp.) (Botrytis cinerea) (Cladosporium herbarum) (Penicillium spp.) (Rhizopus arrhizus)			
Phytophthora spp. Verticillium spp.	Plant Dip	2-6 quarts (96- 192 oz.) per 10 gallons water (2.4- 4.8% v/v dilution)	For plant dip applications for improved plant growth and suppression of soilborne diseases, apply this product as a pre-plant dip immediately prior to transplanting.

Crop	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Grass Seed	Powdery Mildew (Erysiphe graminis) (Oidium spp.) (Podosphaera spp.) (Sphaerotheca spp.) Rust (Puccinia spp.)	Foliar (Ground) Foliar (Aerial)	3 gallons per 29-159 gallons of water (0.625%-3.3% v/v dilution) 3 gallons per 5-15 gallons of water (6.25- 16.67% v/v dilution)	Apply at a spray volume sufficient to ensure thorough coverage to the point of runoff - generally 15-25 gallons per acre. Apply this product preventatively or when the first disease symptoms are visible and reapply every 7 - 14-days. For aerial applications, apply this product in a minimum of 5 gallons water per acre. For improved performance, use this product in a tank mix or rotational program with other registered fungicides. Repeat applications at 7 - 14-day intervals.

Crop	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Hops	Downy Mildew (Pseudoperonospora humuli) Powdery Mildew (Sphaerotheca macularis)	Foliar	3 gallons per 29-159 gallons of water (0.625%-3.3% v/v dilution)	Apply this product preventatively when disease symptoms are first visible or when environmental conditions are conducive to rapid disease development. Continue sprays at 7-day intervals or as needed. Minimum spray volumes for hop growth stages are as follows: Emergence to Training: Apply this product using a minimum spray volume of 20 gallons per acre. Coverage will vary with the size of the vines and the type of spray equipment. Apply adequate spray volume to achieve complete spray coverage. Training to Wire-Touch: Apply this product using a minimum spray volume of 50 gallons per acre. Coverage will vary with the size of the vines and the type of spray equipment. Apply adequate spray volume to achieve complete spray coverage. Wire-Touch through Harvest: Apply this product using a minimum of 100 gallons of water per acre. Higher water volumes may be necessary to achieve thorough coverage after side arms develop. Apply adequate spray volume to achieve complete spray coverage. Use the higher rates when moderate to high disease pressure is present or expected.
Crop	Target Disease	Application Method	Product Use Rate per Application	Application Instructions

Leafy Vegetable Crops	Downy Mildew (Bremia lactuca)	Foliar (Ground)	3 gallons per 29-159 gallons	Apply at a spray volume sufficient to ensure thorough coverage to the point
Сторь	(Peronospora	(Grown)	of water	of runoff - generally 15-25 gallons
Arugula	spp.)		(0.625%-3.3%	per acre.
Beet			v/v dilution)	1
Celery	Bacterial		,	Apply this product preventatively or
Chervil	Blight/Rot			when the first disease symptoms are
Cilantro	(Xanthomonas			visible and reapply every 7 - 14-days.
Corn Salad	spp.)			
Cress		Foliar	3 gallons per	For aerial applications, apply this
Dandelion	Cercospora	(Aerial)	5-15 gallons	product in a minimum of 5 gallons
Dock	leafspot		of water (6.25-	water per acre.
Edible	(Cercospora spp.)		16.67% v/v	
Chrysanthemum			dilution)	For improved performance, use this
Endive	Late Blight			product in a tank mix or rotational
Fennel	(Septoria apiicola)			program with other registered
Garden Peas				fungicides.
Head Lettuce	Pink Rot			
Leaf Lettuce	(Sclerotinia			Repeat applications at 7 - 14-day
Parsley	sclerotiorum)			intervals.
Purslane				
Radicchio	Powdery Mildew			
Rhubarb	(Erysiphe			
Spinach	cichoracearum)			
Swiss Chard				
Watercress	Sclerotinia Head			
and other leafy	and Leaf Drop			
vegetable crops	(Sclerotinia minor)			
	(Sclerotinia			
	sclerotiorum)			
	White Rust			
	(Albugo			
	occidentalis)			

Сгор	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Legumes/Vegetables (not including soybeans and peanuts) Chick Peas Dry Beans Garbanzo Beans Green Beans Lentils Lima Beans Peas	Bacterial Blight (Xanthomonas campestris) Gray Mold (Botrytis cinerea) Pythium (aerial blight phase) (Pythium spp.) Powdery Mildew	Foliar	3 gallons per 29-159 gallons of water (0.625%-3.3% v/v dilution)	Apply at a spray volume sufficient to ensure thorough coverage to the point of runoff - generally 15-25 gallons per acre. Apply this product preventatively or when the first disease symptoms are visible and reapply every 7 - 14-days.

Shell Beans Snap Beans Split Peas and other legume crops (including those grown for seed or oil production)	(Erysiphe spp.) Rust (Puccinia spp.) (Uromyces appendiculatus) White Mold (Sclerotinia sclerotiorum)			
	Fusarium spp. Phytophthora spp. Pythium spp. Rhizoctonia spp.	In-Furrow	3 gallons per acre or 26.4 fluid ounces per 1000 feet of row.	For in-furrow applications, at planting apply this product as an in-furrow spray at the rate of 3 gallons per acre or 26.4 fluid ounces per 1000 feet of row according to the chart in the SOIL TREATMENT USE DIRECTIONS section. Apply this product in 5 - 15 gallons of water so as the spray is directed into the seed furrow just before the seeds are covered.

Crop	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Mint and Other Herbs/Spices Angelica Balm Basil Borage Burnet Chamomile Catnip Chervil Chive Clary Coriander Costmary Cilantro Curry Dillweed Horehound Hyssop Lavender Lemongrass Lovage Marjoram	Downy Mildew (Peronospora spp.) Powdery Mildew (Erysiphe spp.) Rust (Puccinia menthae)	Foliar (Ground) Foliar (Aerial)	3 gallons per 29-159 gallons of water (0.625%-3.3% v/v dilution) 3 gallons per 5-15 gallons of water (6.25- 16.67% v/v dilution)	Apply at a spray volume sufficient to ensure thorough coverage to the point of runoff - generally 15-25 gallons per acre. Apply this product preventatively or when the first disease symptoms are visible and reapply every 7 - 14-days. For aerial applications, apply this product in a minimum of 5 gallons water per acre. For improved performance, use this product in a tank mix or rotational program with other registered fungicides. Repeat applications at 7 - 14-day intervals.

Nasturtium		
Parsley (dried)		
Peppermint		
Rosemary		
Sage		
Savory (summer		
and winter)		
Sweet Bay		
Tansy		
Tarragon		
Thyme		
Wintergreen		
Woodruff		
Wormwood		
and other		
herbs/spices		

Crop	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Oil Seed Crops (not including cotton, peanut, or soybean) Canola Castor Flax Industrial Hemp	Bacterial Pustule (Xanthomonas spp.) Bacterial Speck (Pseudomonas syringe pv. glycinea) Brown Spot	Foliar (Ground)	3 gallons per 29-159 gallons of water (0.625%-3.3% v/v dilution)	Apply at a spray volume sufficient to ensure thorough coverage to the point of runoff - generally 15-50 gallons per acre. Apply this product preventatively or when the first disease symptoms are visible and reapply every 7 - 14-days.
Rapeseed Safflower Sesame Sunflower And other oilseed crops	(Septoria glycines) Cercospora Leaf Spot (Cercospora spp.) Downy Mildew (Peronospora mansherica) Pod and Stem Blight (Diaporthe phaseolorum var. sojae) (Phomopsis longicola) White Mold/Sclerotinia Stem Rot	Foliar (Aerial)	3 gallons per 5-15 gallons of water (6.25- 16.67% v/v dilution)	For aerial applications, apply this product in a minimum of 5 gallons water per acre. For improved performance, use this product in a tank mix or rotational program with other registered fungicides. Repeat applications at 7 - 14-day intervals.

(Sclerotinia sclerotiorum)		

Crop	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Olive	Olive Knot (Pseudomonas savastanoi)	Foliar	3 gallons per 29-159 gallons of water (0.625%-3.3% v/v dilution)	For ground applications, apply this product preventatively in 50-150 gallons of water per acre. For improved performance, use this product in a tank mix or rotational program with other registered fungicides. Repeat applications at 7 - 14-day intervals. Avoid excessive amounts of water that result in the runoff of spray material.

Crop	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Peanut	Aspergillus Crown Rot (Aspergillus niger) Damping-off (Aspergillus flavus) (Fusarium spp.) (Pythium spp.) (Rhizoctonia spp.) Early Leaf Spot (Cercospora arachidicola) Late Leaf Spot	Foliar	3 gallons per 29-159 gallons of water (0.625%-3.3% v/v dilution)	Apply at a spray volume sufficient to ensure thorough coverage to the point of runoff - generally 15-25 gallons per acre. Apply this product preventatively or when the first disease symptoms are visible and reapply every 7 - 14-days.

Crabapple Loquat Oriental Pear Pear Quince Mayhaw and other pome fruit crops	Alternaria Blotch (Alternaria mali) Apple Scab (Venturia inaequalis) Bitter Rot		(0.625%-3.3% v/v dilution)	For improved performance, use this product in a tank mix or rotational program with other registered fungicides. Repeat applications at 7 - 14-day intervals.
Pome Fruits Apple	Powdery Mildew (Podosphaera leucotricha)	Foliar	3 gallons per 29-159 gallons of water	For ground applications, apply this product preventatively in 50-100 gallons of water per acre.
Crop	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
	Verticillium spp. White Mold (Sclerotium rolfsii)	In-Furrow	3 gallons per acre or 26.4 fluid ounces per 1000 feet of row.	For in-furrow applications, at planting apply this product as an in-furrow spray at the rate of 3 gallons per acre or 26.4 fluid ounces per 1000 feet of row according to the chart in the SOIL TREATMENT USE DIRECTIONS section. Apply this product in 5 - 15 gallons of water so as the spray is directed into the seed furrow just before the seeds are covered.
	(Cerosporidium personatum) Rhizoctonia Foliar Blight, Peg, and Root Rot (Rhizoctonia solani) White Mold (Sclerotium rolfsii) Aspergillus Crown Rot (Aspergillus niger) Fusarium spp. Phytophthora spp. Pythium spp. Rhizoctonia spp.	Soil Drench	12 gallons per 100 gallons of water (3.84% v/v dilution)	For soil drench applications, apply this product at a concentration of 12 gallons per 100 gallons of water, and at a sufficient rate to thoroughly soak the growing media and root zone. Make an initial application of this product during or shortly after transplant to reduce transplant shock, suppress soil-borne diseases and improve root growth. Multiple drench applications can be made on a 10 - 14 day interval.

(Colletotrichum spp.)			Avoid excessive amounts of water that result in the runoff of spray material.
Black Rot/Frogeye Leaf Spot (Botryosphaeria obtusa)			
Bot Rot (Botryosphaeria dothidea)			
Brooks Spot (Mycosphaerella pomi)			
Bull's Eye Rot (Neofabraea spp.)			
Cedar-Apple Rust (Gymnosporangium juniperi-virginianae)			
Fire Blight (Erwinia amylovora)			
Flyspeck (Zygophiala jamaicensis)			
Scab (Venturia spp.)			
Sooty Blotch (Geastrumia polystigmati) (Leptodontium elatius) (Peltaster fructicola)			
White Rot (Botryosphaeria dothidea)			
Phytophthora spp. Pythium spp.	Plant Dip (bare root)	3-6 quarts (96- 192 oz.) per 10 gallons water (2.4- 4.8% v/v dilution)	For plant dip applications for improved plant growth and suppression of soilborne diseases, apply this product as a pre-plant dip immediately prior to transplanting.

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Crop	Target Disease	Application	Application

		Method	Product Use Rate per Application	Instructions
Root, Tuber and Corm Crops Potato Beet Carrot Cassava Ginger Ginseng Horseradish Radish Sweet Potato Turnip and other root crops (including those for seed production)	Bacterial Leaf Blight (Xanthomonas campestris) Black Root Rot / Black Crown Rot (Alternaria spp.) Downy Mildew (Peronospora spp.) Early Blight (Alternaria solani) Gray Mold (Botrytis spp.) Late Blight (Phytophthora infestans) Powdery Mildew (Erysiphe spp.) White Mold (Sclerotinia sclerotiorum)	Foliar	3 gallons per 29-159 gallons of water (0.625%- 3.3% v/v dilution)	Apply at a spray volume sufficient to ensure thorough coverage to the point of runoff - generally 15-25 gallons per acre. Apply this product preventatively or when the first disease symptoms are visible and reapply every 7 - 14-days.
	Clubroot (Plasmodiophora brassicae) Common Scab (Streptomyces scabies) Fusarium spp. Phytophthora spp.	Soil Drench	12 gallons per 100 gallons of water (3.84% v/v dilution)	For soil drench applications, apply this product at a concentration of 12 gallons per 100 gallons of water, and at a sufficient rate to thoroughly soak the growing media and root zone. Make an initial application of this product during or shortly after transplant to reduce transplant shock, suppress soil-borne diseases and improve root growth. Multiple drench applications can be made on a 10 - 14 day interval.

Pythium spp. Rhizoctonia spp. Verticillium spp.	In-Furrow	3 gallons per acre or 26.4 fluid ounces per 1000 feet of row.	For in-furrow applications, at planting apply this product as an in-furrow spray at the rate of 3 gallons per acre or 26.4 fluid ounces per 1000 feet of row according to the chart in the SOIL TREATMENT USE DIRECTIONS section. Apply this product in 5 - 15 gallons of water so as the spray is directed into the seed furrow just before the seeds are covered.
	Seed Piece Dip	3-6 quarts (96-192 oz.) per 10 gallons water (2.4-4.8% v/v dilution)	For seed piece dip applications for improved plant growth and suppression of soil-borne diseases, apply this product as a pre-plant dip to transplants or seed pieces immediately prior to transplanting.
	Chemigation	3 gallons per 29-159 gallons of water (0.625%- 3.3% v/v dilution)	For chemigation applications for improved plant growth and suppression of soil-borne diseases, apply this product through drip irrigation immediately after transplant and at 14-day intervals or begin 14 days after transplant when soil drench applications are used.

Crop	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Soybean	Aerial Web Blight (Rhizoctonia solani) Alternaria Leafspot (Alternaria spp.) Anthracnose (Colletotrichum	Foliar (Ground)	3 gallons per 29-159 gallons of water (0.625%-3.3% v/v dilution)	Apply at a spray volume sufficient to ensure thorough coverage to the point of runoff - generally 15-25 gallons per acre. Apply this product preventatively or when the first disease symptoms are visible and reapply every 7 - 14-days.
	truncatum) Asian Soybean Rust (Phakopsora pachyrhizi) Brown Spot (Septoria glycines)	Foliar (Aerial)	3 gallons per 5-15 gallons of water (6.25- 16.67% v/v dilution)	For aerial applications, apply this product in a minimum of 5 gallons water per acre. For improved performance, use this product in a tank mix or rotational program with other registered fungicides.

Cercospora Blight (Cercospora kikuchii) Frog-eyed Leaf Spot (Cercospora sojina) Pod and Stem Blight (Diaporthe spp.) Septoria Brown Spot (Septoria glycines) White Mold (Sclerotinia sclerotiorum)			Repeat applications at 7 - 14-day intervals.
Fusarium spp. Phytophthora spp. Pythium spp. Rhizoctonia spp.	In-Furrow	3 gallons per acre or 26.4 fluid ounces per 1000 feet of row.	For in-furrow applications, at planting apply this product as an in-furrow spray at the rate of 3 gallons per acre or 26.4 fluid ounces per 1000 feet of row according to the chart in the SOIL TREATMENT USE DIRECTIONS section. Apply this product in 5 - 15 gallons of water so as the spray is directed into the seed furrow just before the seeds are covered.

Сгор	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Stone Fruits Apricot Cherry (sweet and tart) Nectarine Peach Plum Plumcot Prune and other stone fruit crops	Alternaria Spot/Fruit Rot (Alternaria alternata) Anthracnose (Colletotrichum spp.) Bacterial Canker (Pseudomonas spp.)	Foliar	3 gallons per 29-159 gallons of water (0.625%-3.3% v/v dilution)	For ground applications, apply this product preventatively in 50-150 gallons of water per acre. For improved performance, use this product in a tank mix or rotational program with other registered fungicides. Repeat applications at 7 - 14-day intervals. Avoid excessive amounts of water that result in the runoff of spray material.

Bacterial Spot		
(Xanthomonas		
pruni)		
Brown Rot		
Blossom Blight		
(Monilinia laxa)		
Brown Rot Fruit		
Rot		
(Monilinia		
fruticola)		
Cercospora Leaf		
Spot		
(Cercospora spp.)		
Cherry Leaf Spot		
(Blumeriella		
jaapii)		
Gray Mold		
(Botrytis cinerea)		
Powdery Mildew		
(Podosphaera		
(r outospriner a		
spp.)		
(Sphaerotheca		
pannosa)		
,		
Rust		
(Tranzschelia		
discolor)		
Rusty Spot		
(Podosphaera		
leucotricha)		
<u> </u>		
Scab		
(Cladosporium		
carpophilum)		
Shot Hole		
(Wilsonomyces		
carpophilus)		
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Fusarium spp. Phytophthora spp. Pythium spp. Rhizoctonia spp. Verticillium spp.	Plant Dip (bare root)	3-6 quarts (96- 192 oz.) per 10 gallons water (2.4- 4.8% v/v dilution)	For plant dip applications for improved plant growth and suppression of soilborne diseases, apply this product as a pre-plant dip immediately prior to transplanting.
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Сгор	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Strawberry	Anthracnose (Collectotrichum spp.) Suppression only Botrytis (Botrytis cinerea) Leaf Spot (Mycosphaerella fragariae) Phomopsis Leaf Blight (Phomopsis obscurans) Powdery Mildew (Sphaerotheca macularis)	Foliar	3 gallons per 29-159 gallons of water (0.625%-3.3% v/v dilution)	Apply at a spray volume sufficient to ensure thorough coverage to the point of runoff - generally 15-25 gallons per acre. Apply this product preventatively or when the first disease symptoms are visible and reapply every 7 - 14-days.
	Black Root Rot (Rhizoctonia spp.) (Pythium spp.) (Fusarium spp.) (Cylindrocarpon spp.)	Plant Dip	3-6 quarts (96- 192 oz.) per 10 gallons water (2.4- 4.8% v/v dilution)	For plant dip applications for improved plant growth and suppression of soil-borne diseases, apply this product as a pre-plant dip immediately prior to transplanting.
	Colletotrichum Crown Rot (Colletotrichum spp.) Phytophthora Root Rot and Crown Rot	Soil Drench	12 gallons per 100 gallons of water (3.84% v/v dilution)	For soil drench applications, apply this product at a concentration of 12 gallons per 100 gallons of water, and at a sufficient rate to thoroughly soak the growing media and root zone. Make an initial application of this product during or shortly after transplant to reduce transplant shock,

(Phytophthora spp.) Verticillium Wilt (Verticillium spp.)			suppress soil-borne diseases and improve root growth. Multiple drench applications can be made on a 10 - 14 day interval.
Fusarium spp. Pythium spp. Phytophthora spp. Rhizoctonia spp. Verticillium spp.	Chemigation	3 gallons per 29-159 gallons of water (0.625%-3.3% v/v dilution)	For chemigation applications for improved plant growth and suppression of soil-borne diseases, apply this product through drip irrigation immediately after transplant and at 14-day intervals or begin 14 days after transplant when soil drench applications are used.

Сгор	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Sugar Beets (includes crop for seed production)	Powdery Mildew (Erysiphe betae) (Erysiphe polygoni) Leaf Spot (Cercospora beticola) Ramularia (Ramularia spp.) Rust (Uromyces betae)	Foliar	3 gallons per 29-159 gallons of water (0.625%-3.3% v/v dilution)	Apply at a spray volume sufficient to ensure thorough coverage to the point of runoff - generally 15-25 gallons per acre. Apply this product preventatively or when the first disease symptoms are visible and reapply every 7 - 14-days.

Crop	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Sugarcane	Brown Rust (Puccinia melanocephela) Orange Rust (Puccinia kuehnii)	Foliar (Ground)	3 gallons per 29-159 gallons of water (0.625%-3.3% v/v dilution)	Apply at a spray volume sufficient to ensure thorough coverage to the point of runoff - generally 15-25 gallons per acre. Apply this product preventatively or when the first disease symptoms are visible and reapply every 7 - 14-days.

	Foliar (Aerial)	3 gallons per 5-15 gallons of water (6.25- 16.67% v/v dilution)	For aerial applications, apply this product in a minimum of 5 gallons water per acre. For improved performance, use this product in a tank mix or rotational program with other registered fungicides. Repeat applications at 7 - 14-day intervals.
Fusarium spp. Phytophthora spp. Pythium spp. Rhizoctonia spp.	In-Furrow	3 gallons per acre or 26.4 fluid ounces per 1000 feet of row.	For in-furrow applications, at planting apply this product as an in-furrow spray at the rate of 3 gallons per acre or 26.4 fluid ounces per 1000 feet of row according to the chart in the SOIL TREATMENT USE DIRECTIONS section. Apply this product in 5 - 15 gallons of water so as the spray is directed into the seed furrow just before the seeds are covered.

Crop	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Tobacco	Blue Mold (Peronospora tabacina)	Foliar	3 gallons per 29-159 gallons of water (0.625%-3.3% v/v dilution)	Apply at a spray volume sufficient to ensure thorough coverage to the point of runoff - generally 15-40 gallons per acre. Apply this product preventatively or when the first disease symptoms are visible and reapply every 7 - 14-days.
	Fusarium spp. Phytophthora spp. Pythium spp. Rhizoctonia spp. Verticillium spp.	Plant Dip	3-6 quarts (96- 192 oz.) per 10 gallons water (2.4- 4.8% v/v dilution)	For plant dip applications for improved plant growth and suppression of soilborne diseases, apply this product as a pre-plant dip immediately prior to transplanting.

Сгор	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Tree Nut Crops Walnut (Black and English) Almond Beech nut Brazil nut Butternut Cashew Chestnut Chinquapin Filbert Hickory nut Macadamia nut Pecan Pistachio and other tree nut crops	Walnut Blight (Xanthomonas campestris) Alternaria Late Blight Alternaria Leaf Spot (Alternaria spp.) Anthracnose (Collectotrichum spp.) (Gnomonia leptostyla) Bacterial Canker (Erwinia nigrifluens) (Pseudomonas syringae) Botryosphaeria Blight (Botryosphaeria dothidea) Brown Rot (Monilinia spp.) Eastern Filbert Blight (Anisogramma anomala) Green Fruit Rot (Botrytis cinerea) Leaf Rust (Tranzschelia discolor) Scab (Cladosporium carpophilum) (Sphaceloma perseae) Shot Hole	Foliar (Ground) Foliar (Aerial)	3 gallons per 29-159 gallons of water (0.625%-3.3% v/v dilution) 3 gallons per 5-15 gallons of water (6.25-16.67% v/v dilution)	For ground applications, apply this product preventatively in 50-150 gallons of water per acre. For improved performance, use this product in a tank mix or rotational program with other registered fungicides. Repeat applications at 7 - 14-day intervals. Avoid excessive amounts of water that result in the runoff of spray material. For aerial applications, apply this product in a minimum of 5 gallons water per acre. For improved performance, use this product in a tank mix or rotational program with other registered fungicides. Repeat applications at 7 - 14-day intervals.

(Wilsonomyces carpophilus)			
Fusarium spp. Phytophthora spp. Pythium spp. Rhizoctonia spp. Verticillium spp.	Plant Dip (bare root)	3-6 quarts (96- 192 oz.) per 10 gallons water (2.4- 4.8% v/v dilution)	For plant dip applications for improved plant growth and suppression of soilborne diseases, apply this product as a pre-plant dip immediately prior to transplanting.

Tropical Fruits Anthracnose (Colletotrichum gloeosporioides) Banana Kiwi Mango Papaya Plantain Pineapple Pomegranate and other tropical fruit crops Botrytis Fruit Rot (Botrytis cinerea) Scab (Elsinoe mangiferae) Sigatoka (Mycosphaerella fijiensis) Apply at a spray volume sufficient to ensure thorough coverage to the point of runoff - generally 15-150 gallons of water (0.625%-3.3% v/v dilution) Apply this product preventatively or when the first disease symptoms are visible and reapply every 7 - 14-days. For aerial applications, apply this product in a minimum of 5 gallons of water (6.25-16.67% v/v dilution) For aerial applications, apply this product in a tank mix or rotational program with other registered fungicides. Repeat applications at 7 - 14-day intervals.	Сгор	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
	Avocado Banana Kiwi Mango Papaya Plantain Pineapple Pomegranate and other tropical fruit	(Colletotrichum gloeosporioides) Bacterial Blight (Pseudomonas syringae) (Pseudomonas viridiflava) Bacterial Canker (Xanthomonas campestris) Botrytis Fruit Rot (Botrytis cinerea) Scab (Elsinoe mangiferae) Sigatoka (Mycosphaerella	(Ground) Foliar	29-159 gallons of water (0.625%-3.3% v/v dilution) 3 gallons per 5-15 gallons of water (6.25- 16.67% v/v	ensure thorough coverage to the point of runoff - generally 15-150 gallons per acre. Apply this product preventatively or when the first disease symptoms are visible and reapply every 7 - 14-days. For aerial applications, apply this product in a minimum of 5 gallons water per acre. For improved performance, use this product in a tank mix or rotational program with other registered fungicides. Repeat applications at 7 - 14-day

Fusarium spp.	Plant Dip	3-6 quarts (96-	For plant dip applications for
Phytophthora spp.		192 oz.) per 10 gallons water (2.4-	improved plant growth and suppression of soil-borne diseases, apply this product as a pre-plant dip
Pythium spp.		4.8% v/v	immediately prior to transplanting.
Rhizoctonia spp.		dilution)	
Verticillium spp.			

ForticeptTM EP #3 Disease Control Concentrate has a **pre-harvest interval (PHI)** of **0 days**. Do not enter or allow worker entry into treated areas during the **restricted-entry interval (REI)** of **0 hours**.

INTEGRATED PEST MANAGEMENT (IPM)

Many conventional fungicides have been tested in an IPM regime with ForticeptTM EP #3 Disease Control Concentrate with very satisfactory results. One of the major objectives of IPM has been to reduce the probability of disease resistance development to a particular active ingredient.

The alternate use of (1-2 sprays) followed by a conventional, registered fungicide (1-2 sprays) has been successfully used in many crops. In addition, the use of tank mixes with a conventional fungicide has also been successful.

Follow label instructions of the particular registered product: Do not exceed amounts or treatment intervals on the label.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry place. Avoid freezing.

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 (under 5 gallons): 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 ¼ 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. Do not burn unless allowed by state and local ordinances.

Container Handling (over 5 gallons): Non-refillable container. Do not reuse or refill this container Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ½ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinances.



Lidan, Inc. is a member of the Ag Container Recycling Council.

Visit http://www.acrecycle.org/contact.html for information on how to arrange pick-up of this empty pesticide container.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, plant injury, other property damage, as well as other unintended consequences may result because of factors beyond the control of Lidan, Inc. Those factors include, but are not limited to, weather conditions, presence of other materials or the manner of use or application. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Lidan, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. To the extent consistent with applicable law, Lidan, Inc. disclaims any liability whatsoever for special, incidental, or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid, or at Lidan Inc's election, the replacement of product.

Label date:

Made in the U.S.A.

ForticeptTM is a trademark of Lidan, Inc. Lidan, Inc.'s name and logo are registered trademarks of Lidan, Inc. © **Lidan, Inc.** 30 Wall Street, 8th Floor New York, NY 10005-2205 1-212-709-8133

Sublabel B: Turf & Professional Landscape Use

ForticeptTM EP #3

A botanical based product to protect against certain fungal and bacterial diseases.

Active ingredient: Thyme oil1	%
Other ingredients:99	%
Total	%

KEEP OUT OF REACH OF CHILDREN CAUTION

DIDGE AID						
	FIRST AID					
IF SWALLOWED:	Call 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 the poison control center or					
	doctor. Do not give anything by mouth to an unconscious person.					
IF ON SKIN OR	Take off contaminated clothing. Rinse skin immediately with plenty					
CLOTHING:	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 by 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 15-20					
	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 conta	iner or label with you when calling a poison control center or doctor,					
or if going for treatmen						

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Net Contents: 1 pint, 1 quart, 1 gallon, 2.5 gallon, 5 gallon, 55 gallon drum, 275 gallon tote EPA Registration No. 92144-U

EPA Est. No. 93544-GA-1, 67441-IL-1, 082521-GA-1, 92957-MI-1, 70299-NV-2, 70299-NV-1

Lidan, Inc., 30 Wall Street, 8th Floor, New York, NY 10005-2205

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Avoid contact with skin, eyes, or clothing. Wear goggles or safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Waterproof gloves
- Protective eyewear

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

USER SAFETY RECOMMENDATIONS

- User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- User should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.
- Wash the outside of gloves before removing.

ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, 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.

(Use the following additional statement for containers that hold 5 gallons or more: Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.)

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 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 exemptions pertaining to the statements on this label about personal protective equipment (PPE) and the restricted-entry interval (REI). 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 0 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

GENERAL INFORMATION

ForticeptTM EP #3 is formulated with thyme oil, a botanical extract. ForticeptTM EP #3's proprietary formulation stabilizes the thyme oil, reducing its volatility, improving contact time with plant surfaces, and improving efficacy against target fungal and bacterial pathogens. The product is for bacterial and fungal disease control on ornamental plants, turf, and edible crops. ForticeptTM EP #3 applied to actively growing plants (see DIRECTIONS FOR USE) will reduce or control incidence of bacterial and fungal disease and improve plant health. Plant health benefits often result in greater yields and improved crop quality at harvest, especially when crops are stressed by pathogens or environmental conditions. Use ForticeptTM EP #3 as a curative application when disease is evident but preventative application is recommended when conditions favor development of bacterial or fungal disease. Apply prior to disease infestation to protect the growing leaf tissue. See specific information for diseases controlled and use rates on ornamental plants, turf, and edible crops.

MODE OF ACTION

Thyme oil extracted from *Thymus* spp. plant material is a powerful antifungal and antibacterial agent. The extract, when applied to growing crops, controls fungal and bacterial disease organisms by membrane disruption. ForticeptTM EP #3 is an improved efficacy formulation using a proprietary stabilization technology to reduce the volatility of the the botanical active, increasing contact time with target disease organisms to reduce or control both bacterial and fungal diseases.

The control of diseases is not systemic, but provides some translaminar protection. Repeat foliar applications at 7-14-day intervals to maintain disease control and to protect new plant growth.

Use ForticeptTM EP #3 as a preventative or curative treatment.

Сгор	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Ornamentals Herbaceous Ornamentals Flowering Plants	Anthracnose (Colletotrichum spp.) Bacteria	Foliar	3 gallons per 29-159 gallons of water (0.625%-3.3% v/v dilution)	Apply at a spray volume sufficient to ensure thorough coverage to the point of runoff - generally 15-150 gallons per acre.
Foliage Plants Bedding Plants	(Erwinia spp.) (Pseudomonas spp.) (Xanthomonas		v/v dilution)	Apply this product preventatively or when the first disease symptoms are visible and reapply every 7 - 14-days.
Woody Ornamentals Broadleaves, Shrubs and Trees Conifers, Shrubs and Trees	spp.) Black Spot of Rose (Diplocarpon rosae) Blossom Blight (Monilinia spp.)			Begin applications preventatively (before disease symptoms become visible) at the 4 to 6-leaf stage and treat at 7-14-day intervals as needed prior to sale or harvest. Spray until just before point of runoff.

Downy Mildew (Peronospora spp.) (Plasmopara viburni) Gray Mold (Botrytis cinerea) Leaf Spot (Alternaria spp.) (Cercospora spp.) (Entomosporium spp.) (Myrothecium spp.) (Septoria spp.) Powdery Mildew (Erysiphe spp.) (Oidium spp.) (Podosphaera spp.) (Sphaerotheca spp.) Rust (Puccinia spp.) Scab (Venturia spp.)			This product may be used to control certain diseases of container, bench, flat, plug, bed, or field-grown ornamentals in greenhouses, shadehouses, outdoor nurseries, retail nurseries, and other landscape areas.
Fusarium spp. Phytophthora spp. Pythium spp. Rhizoctonia spp. Verticillium spp.	Soil Drench	12 gallons per 100 gallons of water (3.84% v/v dilution)	For soil drench applications, apply this product at a concentration of 12 gallons per 100 gallons of water, and at a sufficient rate to thoroughly soak the growing media and root zone. Make an initial application of this product during or shortly after transplant to reduce transplant shock, suppress soil-borne diseases and improve root growth. Multiple drench applications can be made on a 10 - 14 day interval.
	Plant Dip	3-6 quarts (96- 192 oz.) per 10 gallons water (2.4- 4.8% v/v dilution)	For plant dip applications for improved plant growth and suppression of soil-borne diseases, apply this product as a pre-plant dip immediately prior to transplanting.
	Chemigation	3 gallons per 29-159 gallons	For chemigation applications for improved plant growth and

	of water (0.625%-3.3% v/v dilution)	suppression of soil-borne diseases, apply this product through drip irrigation immediately after transplant and at 14-day intervals or begin 14 days after transplant when soil drench applications are used.
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Crop	Target Disease	Application Method	Product Use Rate per Application (per 1,000 sq. ft.)	Product Use Rate per Application (per Acre)	Application Instructions
Bluegrass Bentgrass Bentgrass Bermudagrass Dichondra Fescue Orchardgrass Poa annua Ryegrass St. Augustine Zoysia mixtures and other grasses Ornamental Grasses	Anthracnose (Colletotrichum graminicola) Bentgrass/Bermudagrass Dead Spot (Ophiosphaerella EP #3stis) Bermudagrass Decline (Gaeumannomyces graminis var. graminis) Brown patch (Rhizoctonia solani) Copper Spot (Gloeocercospora sorghi) Dichondra Rust (Puccinia dichondorae) Dollar Spot (Lanzia spp.) (Moellerodiscus spp. formerly Sclerotinia homeocarpa) Fusarium Patch (Fusarium nivale) Gray Leaf Spot (Pyricularia grisea) Melting Out Leaf Spot (Bipolaris spp.) (Drechslera spp.)	Foliar	3 gallons per 29-159 gallons of water (0.625%-3.3% v/v dilution), applied at a rate of 1 gallon of spray solution per 1,000 square feet of turf, sod, or ornamental turf.	3 gallons per 29-159 gallons of water (0.625%-3.3% v/v dilution). Apply at a spray volume sufficient to ensure thorough coverage to the point of runoff - generally 15-50 gallons per acre.	Apply this product preventatively or when the first disease symptoms are visible and reapply every 7 - 14-days.

(Leptosphaeria korrae)		
Pink Patch		
(Limonomyces roseipellis)		
Powdery Mildew (Erysiphe graminis)		
Pythium Blight Pythium Root Rot		
(Pythium		
aphanidermatum)		
(Pythium spp.)		
Red Thread		
(Laetisaria fuciformis)		
Rust		
(Puccinia spp.)		
Rhizoctonia Large Patch		
(Rhizoctonia solani)		
Snowmold, Gray		
(Typhula spp.)		
Snowmold, Pink		
(Microdochium nivale)		
Southam Dlight		
Southern Blight (Sclerotium rolfsii)		
Spring Dead Spot (<i>Leptosphaeria korrae</i>)		
(Leptosphaeria		
narmari)		
(Ophiosphaerella herpotricha)		
(Gaeumannomyces		
graminis)		
Stripe Smut		
(Ustilago striiformis)		
(Urocystis EP #3pyri)		
Summer Bentgrass		
Decline		
Summer Patch		
Poa Patch		
(Magnaporthe poae)		
Take-All Patch		
(Gaeumannomyces		
graminis)		

Yellow Patch (Rhizoctonia cerealis)		
Yellow Tuft/Downy Mildew (Sclerophthora macrospora)		
Zoysia Patch (Rhizoctonia solani)		

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry place. Avoid freezing.

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 (under 5 gallons): 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 ¼ 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. Do not burn unless allowed by state and local ordinances.

Container Handling (over 5 gallons): Non-refillable container. Do not reuse or refill this container Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinances.

Lidan, Inc. is a member of the Ag Container Recycling Council. Visit http://www.acrecycle.org/contact.html for information on how to arrange pick-up of this empty pesticide container.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product.

Ineffectiveness, plant injury, other property damage, as well as other unintended consequences may result because of factors beyond the control of Lidan, Inc. Those factors include, but are not limited to, weather conditions, presence of other materials or the manner of use or application. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Lidan, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. To the extent consistent with applicable law, Lidan, Inc. disclaims any liability whatsoever for special, incidental, or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid, or at Lidan Inc's election, the replacement of product.

Sublabel C: Home & Garden Use

ForticeptTM EP #3

Alternate Brand Names: ForticeptTM Agro Disease Control Concentrate, ForticeptTM Agro Bactericide/Fungicide Concentrate, ForticeptTM Agro EC, ForticeptTM Agro Botanical Disease Control Concentrate, ForticeptTM HG, ForticeptTM Home & Garden Disease Control Concentrate

A botanical based product to protect against certain fungal and bacterial diseases.

Active ingredient: Tl	hyme oil2.5 ^c	%
Other ingredients:	97.5 9	%
Total	100 9	%

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID				
IF SWALLOWED:	Call 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.			
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 by 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 15-20 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 conta or if going for treatmer	niner or label with you when calling a poison control center or doctor, at.			

EPA Registration No. 92144-U EPA Est. No. 93544-GA-1, 67441-IL-1, 082521-GA-1, 92957-MI-1, 70299-NV-2, 70299-NV-1

Net Contents: 1 pint, 1 quart, 1 gallon

Lidan, Inc., 30 Wall Street, 8th Floor, New York, NY 10005-2205

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Avoid contact with skin, eyes, or clothing. Wear goggles or safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers should wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Waterproof gloves
- Protective eyewear

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

ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, 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.

GENERAL INFORMATION

ForticeptTM EP #3 is formulated with thyme oil, a botanical extract. ForticeptTM EP #3's proprietary formulation stabilizes the thyme oil, reducing its volatility, improving contact time with plant surfaces, and improving efficacy against target fungal and bacterial pathogens. The product is for bacterial and fungal disease control. It may be used on roses, vegetables, fruits, nuts, flowers, houseplants, foliage, trees, shrubs, lawns, turf, sod and ornamental turf [located in residential landscapes] [located in residential interiorscapes] [located in residential greenhouses]. ForticeptTM EP #3 applied to actively growing plants (see DIRECTIONS FOR USE) will reduce or control incidence of bacterial and fungal disease and improve plant health. Plant health benefits often result in greater yields and improved crop quality at harvest, especially when crops are stressed by pathogens or environmental conditions. Use ForticeptTM EP #3 as a curative application when disease is evident but preventative application is recommended when conditions favor development of bacterial or fungal disease. Apply prior to disease infestation to protect the growing leaf tissue. See specific information for diseases controlled and use rates on ornamental plants, turf, and edible crops.

[Forticept EP #3 [This product] can be applied up to and on the day of harvest.]

[Forticept EP #3 can be used on the day of harvest and on all fruits and vegetables used in canning or freezing.]

MODE OF ACTION

The oil extracted from *Thymus* spp. plant material is a powerful antifungal and antibacterial agent. The extract, when applied to growing crops, controls fungal and bacterial disease organisms by membrane disruption. ForticeptTM EP #3 is an improved efficacy formulation using a proprietary, patented stabilization technology to reduce the volatility of the the botanical active, increasing contact time with target disease organisms to reduce or control both bacterial and fungal diseases.

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 State or Tribal agency responsible for pesticide regulation.

WHEN TO USE

- For best results, treat prior to foliar disease development or at the first sign of foliar disease infection.
- Repeat at 7-day intervals or as needed.
- [Under conditions of high disease pressure,] [When environmental conditions favor rapid disease development (high humidity, excessive rain, extreme moisture condition, etc.), spray more often] [Alternate: shorten the spray interval].

BEFORE YOU USE

Read and follow these directions when using:

- Do not allow spray to drift from application site.
- [[For Pressurized Hand-Held Sprayer and Spray Trigger Bottle Use Only] Do not allow spray mixture to stand overnight or for prolonged periods.]

[FOR BEST RESULTS]

- [Shake Well Before Use.]
- [Spray to ensure thorough coverage.]
- [Repeat at 7-day intervals or as needed.]
- [Under conditions of high disease pressure,] [When environmental conditions favor rapid disease development (high humidity, excessive rain, extreme moisture condition, etc.), spray more often] [Alternate: shorten the spray interval].

[Specific Application Instructions in four groups as appropriate for the type of sprayer]

[Pressurized Hand-Held Sprayer and Spray Trigger Bottle] [Forticept EP #3 can be applied in commonly used pressurized hand-held sprayers and spray trigger bottles.] [Forticept EP #3 can be used with adjustable hose-end sprayer applicator.]

HOW TO USE [Alternate statement: APPLICATION INSTRUCTIONS]

Shake Well Before Use

Keep spray solution agitated during application.

[If using an adjustable hose-end sprayer applicator, fill reservoir and set output to 12 oz [24 tbls] per gallon of water.]

HOW MUCH TO USE

[For] Fruits, Vegetables, Nuts [(e. g. Apples/Pears, Broccoli, Carrot, Cherries, Cucurbits, Grapes, Leafy Vegetables, Onions/Garlic, Pepper, Tomato, and Walnuts)]:

Use 12 oz. [24 Tablespoons][1.5 cup] Forticept EP#3 per gallon of water. For quart-sized spray bottles, use 3 oz Forticept EP #3 and fill bottle to total spray volume [32 oz total].

Spray plants to run-off, covering both top and bottom surface of foliage to ensure thorough coverage.

[For] [Annual and Perennial] Ornamental Plants, Flowers, Flowering Plants, Bedding Plants, Tropical Foliage, Foliage, Trees and Shrubs:

Use 12 oz. [24 Tablespoons][1.5 cup] Forticept EP#3 per gallon of water. For quart-sized spray bottles, use 3 oz Forticept EP #3 and fill bottle to total spray volume.

Spray plants to run-off, covering both top and bottom surface of foliage to ensure thorough coverage.

[For] Lawns [, Turf, Sod and Ornamental Turf]:

Use 12 oz. [24 Tablespoons][1.5 cup] Forticept EP#3 per gallon of water. For quart-sized spray bottles, use 3 oz Forticept EP #3 and fill bottle to total spray volume.

Apply at a rate of 1 gallon of spray solution per 1,000 square feet of lawn [or Turf, Sod and Ornamental Turf].

[HOME and GARDEN] [VEGETABLE[S], FRUIT[S] AND NUT[S] PLANTS:] [Artichoke, Asparagus]

Berries (Blueberry, Blackberry, Raspberry, Loganberry, Huckleberry, Cranberry, Gooseberry, Elderberry, Currant, and other berries)

Brassica Leafy Vegetables (Broccoli, Cabbage, Cauliflower, Brussels Sprouts, Collards, Kale, Mustard Greens, Kohlrabi and other brassica leafy vegetables)

Bulb Vegetables (Onion, Garlic, Shallots and other bulb vegetables)

Citrus Fruit (Orange, Grapefruit, Lemon, Tangerine, Tangelo, Pummelo and other citrus fruit)

Cucurbit Vegetables (Cucumber, Cantaloupe, Melon, Muskmelon, Squash, Watermelon and other cucurbit vegetables)

Fruiting Vegetables (Pepper, Tomato, Eggplant and other fruiting vegetables)

Grape, Herbs and Spices, Hop

Leafy Vegetables (Lettuce, Celery, Spinach, Parsley, Radicchio and other leafy vegetables)

Legume Vegetables (Beans, Green Beans, Snap Beans, Shell Beans, Dry Beans, Garbanzo Beans, Lima Beans, Peas, Chick Peas, Split Peas, Lentils and other legume vegetables)

Mango, Mint, Olive, Papaya, Peanuts

Pome Fruit (Apple, Crabapple, Pear, Quince, Mayhaw and other pome fruit)

Root and Tuber Vegetables (Carrot, Potato, Sweet Potato, Beets, Ginger, Horseradish, Radish, Ginseng, Turnip and other root and tuber vegetables)

Stone Fruit (Apricot, Cherry, Nectarine, Peach, Plum, Prune and other stone fruit)

Strawberry, Sweet Corn, Tobacco, Watercress

Tree Nuts (Almond, Pistachio, Pecan, Walnut, Filberts, Chestnut, Cashew, Beechnut, Butternut and other tree nuts)]

[RESIDENTIAL] GREENHOUSE PLANTS:]

[Brassica Leafy Vegetables (Broccoli, Cabbage, Cauliflower, Brussels Sprouts, Collards, Kale, Mustard Greens, Kohlrabi and other brassica leafy vegetables)

Bulb Vegetables (Onion, Garlic, Shallots and other bulb vegetables)

Cucurbit Vegetables (Cucumber, Cantaloupe, Melon, Muskmelon, Squash, Watermelon and other cucurbit vegetables)

Fruiting Vegetables (Pepper, Tomato, Eggplant and other fruiting vegetables)

Herbs and Spices

Leafy Vegetables (Lettuce, Celery, Spinach, Parsley, Radicchio and other leafy vegetables)

Root and Tuber Vegetables (Carrot, Potato, Sweet Potato, Beets, Ginger, Horseradish, Radish, Ginseng, Turnip and other root and tuber vegetables)

Strawberry]

[ORNAMENTALS, TREES, FOLIAGE, SHRUBS, FLOWERS, FLOWERING PLANTS, BEDDING PLANTS, TROPICAL PLANTS:]

[Roses]

[Other Ornamentals, Trees, Shrubs, Foliage, Flowers, Flowering Plants, Tropical Plants, including any or all of the plants listed as evaluated for phytotoxicity as shown below:]

[PLANTS EVALUATED FOR PHYTOTOXICITY]

[Annual and Perennial Flowering Plants:]

[Alyssum	Asters	Azalea	Begonia	Calla Lily	
Chrysanthemum		Cyclamen	Dianthus	Dwarf Bee- Balm	
Easter Lily	Garden Phlox	Geraniums	Gerbera	Golden Star	
Hydrangea	Impatiens	Kalanchoe	Linaria	Lisianthus	Lobelia
Marigolds	Orchids	Pansies	Petunia	Poinsettia	Portulaca
Ranunculus	Roses	Salvia spp.	Snapdrago	Stock	
Verbena spp.	Vinca	Violas	ns Zinnias]		

[Tropical Foliage:]

[Aglaonema Dieffenbachia Dracaena spp. English Ivy

Hibiscus Leatherleaf Fern Spathiphyllum]

[Trees and Shrubs:]Crape MyrtleDogwood[Azalea BoxwoodIndianJapanese MapleGumpo AzaleaIndianJapanese MapleLigustrum japonicumLilacLoropetalum

Ligustrum japonicum Lilac Loropetalum Photinia Rhododendron Rosaceae spp. Soft Touch Holly

Spirea]

[ORNAMENTALS, TREES, FOLIAGE, SHRUBS, FLOWERS, FLOWERING PLANTS, BEDDING PLANTS, TROPICAL PLANTS:]

[Optional Statement: Some pesticides can cause phytotoxic effects, ranging from slight burning or browning of leaves to distorted leaves, fruit, flowers or stems. Damage symptoms may vary with the type of plant that has been treated. It is impossible to test all plants for phytotoxicity. To assure that the plants to be treated are

not sensitive to the treatment, apply a small amount of the highest application rate of the product to a few leaves or the above ground portion of a plant and check within 3 days for signs of phytotoxicity. Use product according to label directions.]

DISEASES CONTROLLED [OR SUPPRESSED][OR PREVENTED][BY FORTICEPT EP#1] [ON VEGETABLES, FRUITS, NUTS, ORNAMENTAL PLANTS, TREES, SHRUBS, FOLIAGE, FLOWERS, FLOWERING PLANTS, TROPICAL PLANTS] [Alternate: [ON PLANTS] [SITES]]

Anthracnose [(Colletotrichum spp.)] Bacteria [(Erwinia spp., Pseudomonas spp., Xanthomonas spp.)] Bacterial Leaf Blight [(Xanthomonas campestris)] Bacterial Speck [(Pseudomonas syringae pv. tomato)] Bacterial Spot [(Xanthomonas spp.)] suppression Bean Rust [(Uromyces appendiculatus)] - suppression Black Mold [(Alternaria alternata)] Black Rot/Black Crown Rot [(Alternaria spp.)] Black Spot [of Rose] [(Diplocarpon rosea)] Botrytis [(*Botrytis* spp.)] Botrytis Leaf Blight [(Botrytis squamosa)] Botrytis Neck Rot [(Botrytis spp.)] Downy Mildew [(Bremia lactucae, Peronospora spp., and Plasmopara viticola)] suppression Early Blight [(Alternaria solani)] – suppression Fire Blight [(Erwinia amylovora)] – suppression Gray Mold [(Botrytis cinerea)] Greasy Spot [(Mycosphaerella citri)] - suppression Late Blight [(*Phytophthora infestans*)] – suppression Leaf Spots [(Alternaria spp., Cercospora spp., Entomosporium spp., Helminthosporium spp., Myrothecium spp., Septoria spp.)] Onion Downy Mildew [(Peronospora destructor)] Onion Purple Blotch [(Alternaria porri)] Phytophthora spp. Pin Rot [(Alternaria/Xanthomonas complex)] - suppression Powdery Mildew [(Uncinula necator, Erysiphe spp., Sphaerotheca spp., Oidiopsis taurica, Leveillula taurica, Podosphaera leucotricha, Oidium spp., Podosphaera spp.)] Rust [(*Puccinia* spp.)] Scab [(Venturia spp.)] - suppression Sclerotinia Head and Leaf Drop [(Sclerotinia spp.)] Sour Rot Target Spot [(Corynespora cassiicola)] Walnut Blight [(Xanthomonas campestris)] White Mold [(Sclerotinia sclerotiorum)] – suppression

[FORTICEPT EP #3] [MAY BE USED ON LAWNS, TURF, SOD AND ORNAMENTAL TURF] [ALTERNATE STATEMENT: WHERE TO USE][ALTERNATE STATEMENT: USE SITE]

LAWNS [,TURF] [, SOD] [AND ORNAMENTAL TURF]:

Bluegrass, Bentgrass, Bermudagrass, Dichondra, Fescue, Orchardgrass, Annual Bluegrass (*Poaannua*), St. Augustine, Ryegrass, Zoysia, Mixtures and other grasses or ornamental turf.

DISEASES CONTROLLED [OR SUPPRESSED] [OR PREVENTED] [BY FORTICEPT EP #3] [ON LAWNS] [, SOD] [,TURF] [AND ORNAMENTAL TURF]

Lawn [and Turf], Sod]] Diseases:

Brown Patch [(Rhizoctonia solani)]

Dollar Spot [(Lanzia spp., Moellerodiscus spp., formerly Sclerotinia homeocarpa)]

Powdery Mildew [(Erysiphe graminis)]

Rust [(Puccinia spp.)]

Anthracnose [(Colletotrichum

graminicola)]

Red Thread [(Laetisaria fuciformis)]

Fairy Ring [(Various *Basidiomycetes*)]

Gray Snow Mold, Typhula Blight [(Typhula spp.)]

Pink Snow Mold, Fusarium Patch [(Microdochium nivale)]

Pythium Blight [[(Pythium aphanidermatum)] [(Pythium

spp.)]]

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container only. [Alternate: in an area inaccessible to children] [or Alternate: out of reach of children]. Keep container closed when not in use. Store at room temperature.

PESTICIDE DISPOSAL AND CONTAINER HANDLING:

Nonrefillable container. Do not reuse or refill this container.

If empty:

Place in trash or offer for recycling, if available.

If partly filled:

Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

IMPORTANT: READ BEFORE USE

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conditions, presence of other materials or the manner of use or application. All such risks shall be assumed by the user or buyer.

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LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid, or at Lidan Inc's election, the replacement of product.

Label date:

Made in the U.S.A.

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[LIDAN, INC. LOGO PLACEHOLDER]