



Mite-Phite ZM™

Agricultural Fungicide Mite Suppressant

Contains a minimum of
5.0% zinc (Zn) in solution
Contains a minimum of
2.0% manganese (Mn) in solution

**KEEP OUT OF THE
REACH OF CHILDREN**

DANGER-PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

SEE BACK PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS

- Net Wgt. 27.12 lbs / 2.5 gals
- Net Wgt. 27.12.5 lbs/ 250 gals

EPA REG. NO. 48222-14
EPA EST. NO. 48222-MN-001



Agro-K Corporation
8030 Main Street, N.E.
Minneapolis, MN 55432-1844 U.S.A.
(800) 328-2418 • (763) 780-4116
www.agro-k.com

ACTIVE INGREDIENTS:

Phosphorous Acid* 30%

OTHER INGREDIENTS: 70%

TOTAL 100%

*Contains 3.3 lbs./gallon of active ingredients of Phosphorous Acid.

FIRST AID STATEMENTS

IF IN EYES:	<ul style="list-style-type: none">• 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.
IF SWALLOWED:	<ul style="list-style-type: none">• 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 INHALED:	<ul style="list-style-type: none">• 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 ON SKIN OR CLOTHING:	<ul style="list-style-type: none">• 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.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

HOT LINE NUMBER	<ul style="list-style-type: none">• Have the container or label with you when calling a poison control center or doctor or going for treatment.• For medical emergencies, call the poison control center at 1-800-222-1222.• For general information on this product, call 1-800-328-2418 between the hours of 8AM-4PM CST, or contact the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 AM to 12 PM PST, or at http://npic.orst.edu.
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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Causes irreversible eye damage. Do not get in eyes or on clothing. May be fatal if inhaled. Do not breathe vapor or spray mist. Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wear long-sleeved shirt and long pants, shoes plus socks, protective goggles, waterproof or chemical resistant gloves, and a NIOSH approved respirator with an organic vapor (OV) cartridge with any combination N, R or P filter with NIOSH approval number prefix TC – 84A; or a NIOSH approved gas mask with an organic vapor canister with NIOSH approval number prefix TC – 14G; or a NIOSH approved powered air purifying respirator with organic vapor (OV) cartridge and combination HE filter with NIOSH approval number prefix TC – 23C). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or, using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants, shoes plus socks, waterproof or chemical resistant gloves, protective goggles, and a NIOSH approved respirator with an organic vapor (OV) cartridge with any combination N, R or P filter with NIOSH approval number prefix TC – 84A; or a NIOSH approved gas mask with an organic vapor canister with NIOSH approval number prefix TC – 14G; or a NIOSH approved powered air purifying respirator with organic vapor (OV) cartridge and combination HE filter with NIOSH approval number prefix TC – 23C). Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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

USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

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

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing.

As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label before using this product.

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 requirement specific to your State or Tribe, consult the State/Tribal agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48.

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 over long-sleeved shirt and long pants, socks, shoes, chemical resistant gloves and protective eyewear.

NON-AGRICULTURAL USE REQUIREMENTS

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

Do not enter treated areas without protective clothing until sprays have dried.

GENERAL APPLICATION INSTRUCTIONS

Apply Mite-Phite ZM by various application methods, including foliar sprays, trunk injection, soil drench, soil incorporation, and bare root dip. For foliar sprays, apply Mite-Phite ZM with sufficient water for adequate coverage of foliage, according to crop and growth stage. To insure good coverage, spray to wet with NO RUN-OFF. EXCESS SOLUTION CAN ACCUMULATE AT THE BOTTOM OF FRUIT AND LEAF MARGINS TO POTENTIALLY CAUSE MARKING.

MIXING INSTRUCTIONS

1. Fill the spray tank with 1/2 of the required volume of water
2. Add Mite-Phite ZM slowly to the tank and agitate by hydraulic or mechanical means.
3. Continue to fill the tank with water to the desired volume while agitating.
4. Continue agitation when applying.

For 1 gallon (3.785 liters) container sizes: this package can treat up to 34,848 sq. ft. at the maximum treatment rate. For 2 1/2 gallon (9.463 liters) container sizes: this package can treat up to 4 acres at the maximum treatment rate

LOW VOLUME AND ULTRA-LOW VOLUME APPLICATIONS

Label rates are written for conventional application equipment. For LV/ULV equipment, use per acre rate of Mite-Phite ZM and adjust amount of water to equipment needs. Always conduct a phytotoxicity test on a small area before applying to a large area in order to assess any potential risk to plants.

COMPATABILITY

Mixing Mite-Phite ZM with certain surfactants, foliar fertilizers or other pesticides may cause crop injury. Do not apply this product with fixed copper based fungicides.

Mite-Phite ZM is a slightly acidic buffer solution. Avoid mixing Mite-Phite ZM with strongly acidic or alkaline materials. Do not tank mix without first testing the mixture's compatibility nor apply it without assessing its safety to the crop (phytotoxicity). It is not possible to test all material combinations and environmental tank mix combinations. Always conduct a test with the intended tank mix on a small area prior to any large scale applications. To determine if a combination is phytotoxic to a specific crop, spray a small area of foliage and fruit, and then evaluate 3-7 days later for visual symptoms.

Test the compatibility of spray adjuvants (i.e. stickers, spreaders, wetting agents) with Mite-Phite ZM before use. Do not use acidifying type compatibility agents. Mite-Phite ZM can facilitate the movement of pesticides into the plant; therefore tank-mixes with other pesticides should be tested for compatibility, efficacy and plant safety prior to their use together. To determine the compatibility of Mite-Phite ZM with other products, use a jar compatibility test. Add the correct proportions of each product and the appropriate quantity of water to clean container, thoroughly mix, then let stand for 3-5 minutes. If the mixture remains in solution or can be remixed readily, the products are considered compatible.

CHEMIGATION DIRECTIONS FOR APPLICATIONS THROUGH SPRINKLER AND DRIP IRRIGATION SYSTEMS

Posting of areas to be chemigated is required when 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes or any public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive area. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other locations affording maximum visibility to sensitive areas. The printed side of the sign should face away from the treated area towards the sensitive area. The signs shall be printed in English. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to event deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color which sharply contrasts with their immediate background. At the top of the sign shall be the words KEEP OUT, followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word STOP. Below the symbol shall be the words PESTICIDES IN IRRIGATION WATER.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Apply this product only through microjet, drip, solid set and center pivot sprinkler irrigation systems. Do not apply this product through any other type of irrigation system.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.

A person knowledgeable of the chemigation system and responsible for its operation shall shut down and adjust the system as needed.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.

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.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

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.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

PREPARATION OF INJECTION EQUIPMENT:

Remove scale, pesticide residues and other foreign matter from the chemical tank and entire injector system. Flush with clean water.

APPLICATION INSTRUCTIONS:

Fill tank with 1/2 to 3/4 of desired amount of water. Start mechanical or hydraulic agitation. Add the required amount of Mite-Phite ZM, then the remaining volume of water. Set sprinkler to deliver 0.1 to 0.3 inch of water per acre. Start sprinkler and uniformly inject the solution of Mite-Phite ZM into the irrigation water line so as to deliver the desired rate per acre. Inject the Mite-Phite ZM solution with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. For other questions about calibration, contact State Extension Service specialists, equipment manufacturers or other experts.

NOTE:

For Microjet and Drip Irrigation Systems: Avoid further irrigation of the treated area for 24 to 48 hours after treatment with Mite-Phite ZM has been completed. For Solid Set and Center Pivot Irrigation Systems: Avoid further irrigation of the Mite-Phite ZM treated area until after the foliage has completely dried. This will help to prevent washing the chemical off the crop.

Maintain continuous agitation in mix tank during mixing and application to assure uniformity solution. Do not apply when wind speed favors drift, when system connection or fittings leak, when nozzles do not provide uniform distribution, or when lines containing the product must be dismantled or drained. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop may result from non-uniform distribution of chemigation water.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water.

FOR ALL CROPS:

Make applications prior to disease development in conjunction with good cultural management practices.

*Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, or suppression, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours). Do not apply when temperatures are at or above 90 degrees.

* Check with your local Extension Agent if you are unsure these conditions exist.

Apply Mite-Phite ZM to plants including:

Berry Crop Group: Blackberry (including bingberry, black satin berry, boysenberry, Cherokee blackberry, Chesterberry, Cheyenne blackberry, coryberry, darrowberry, dewberry, Dirksen thornless berry, Grapes (all types), Himalayaberry, hullberry, Lavacaberry, lowberry, Lucretiaberry, mammoth blackberry, marionberry, nectarberry, olallieberry, Oregon evergreen berry, phenomenalberry, rangeberry, ravenberry, rossberry, Shawnee blackberry, youngberry, and varieties and/or hybrids of these), Blueberry, Cane Berries, Cranberry, Currant, Elderberry, Gooseberry, Huckleberry, Loganberry, Raspberry (black and red) and Strawberry.

Disease	Application Method	Rate	Prevention Program	Control Program
Phytophthora Pythium Fusarium Rhizoctonia Xanthomonas campestris Anthracnose	Foliar or	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liters of water per hectare)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached. Do not apply Mite-Phite ZM at intervals less than 3 days.
	Aerial Application	1 to 3 quarts in a minimum of 3 gallons of water per acre. (2.5 to 7.5 liters in a minimum of 30 liters of water per hectare.)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached.
	Root Dip	2 quart/100 gallons of water, 2/3 fluid ounce/gallon of water. (5 liters/1000 liters of water)	Apply a pre-plant dip immediately prior to planting. (100 gallons is intended to treat the number of slips required to plant one acre).	
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5-10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7.5 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Mite-Phite ZM at intervals less than 3 days.	
Downy Mildew Powdery Mildew	Foliar or	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liters of water per hectare)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Mite-Phite ZM at intervals less than 3 days.	
	Aerial	1 to 3 quarts in a minimum of 10 gallons of water per acre. (2.5 to 7.5 liters in a minimum of 100 liters of water per hectare.)		
Mite suppression Carmen mite, Tetranychus cinnabarinus Cyclamen mite, Phytoneemus pallidus	Foliar	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liters of water per hectare)		
Lewis mite Eotetranychus lewisi Strawberry mite, T. turkestanii Twospotted mite, T. urticae		1		
* Check with your local Extension Agent if you are unsure these conditions exist				

Brassica Crop Group: Broccoli (all types), Brussels sprouts, Cabbage (all types), Cauliflower, Cavalo broccoli, Collards, Kale, Kohlrabi, Mizuna, Mustard greens, Mustard spinach and Rape greens.

Disease	Application Method	Rate	Prevention Program	Control Program
Phytophthora Pythium Fusarium Rhizoctonia Xanthomonas campestris Anthracnose	Foliar or	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liter of water per hectare)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached. Do not apply Mite-Phite ZM at intervals less than 3 days.
	Aerial Application	1 to 3 quarts in a minimum of 3 gallons of water per acre. (2.5 to 7.5 liters in a minimum of 30 liters of water per hectare.)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached.
	Root Dip	2 quart/100 gallons of water, 2/3 fluid ounce/gallon of water. (5 liters/1000 liters of water)	Apply a pre-plant dip immediately prior to planting. (100 gallons is intended to treat the number of slips required to plant one acre).	
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5-10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7.5 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Mite-Phite ZM at intervals less than 3 days.	
Downy Mildew Powdery Mildew	Foliar or	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liters of water per hectare)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Mite-Phite ZM at intervals less than 3 days.	
	Aerial	1 to 3 quarts in a minimum of 10 gallons of water per acre. (2.5 to 7.5 liters in a minimum of 100 liters of water per hectare.)		
* Check with your local Extension Agent if you are unsure these conditions exist				

Cereal Grains, Forage and Fiber Crop Group: Alfalfa, Barley, Buckwheat, Canola, Clover (all types), Com (all types), Cotton, Hay, Kudzu, Lespedeza, Lupin, Millet, Oats, Popcorn, Rice, Rye, Safflower, Sainfoin, Sorghum, Sunflower, Teosinte, Trefoil, Triticale, Vetch, Wheat and Wild rice.

Disease	Application Method	Rate	Prevention Program	Control Program
Phytophthora Pythium Fusarium Rhizoctonia Xanthomonas campestris Anthracnose	Foliar or	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liter of water per hectare)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached. Do not apply Mite-Phite ZM at intervals less than 3 days.
	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water per acre. (2.5 to 7.5 liters in a minimum of 100 liters of water per hectare.)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached.
	Root Dip	1 quart/100 gallons of water, 1/3 fluid ounce/gallon of water. (2.5 liters/1000 liters of water)	Apply a pre-plant dip immediately prior to planting. (100 gallons is intended to treat the number of slips required to plant one acre).	
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5-10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7.5 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Mite-Phite ZM at intervals less than 3 days.	
Downy Mildew Powdery Mildew	Foliar or	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liters of water per hectare)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not at intervals apply Mite-Phite ZM less than 3 days.	
	Aerial	1 to 3 quarts in a minimum of 10 gallons of water per acre. (2.5 to 7.5 liters in a minimum of 100 liters of water per hectare.)		
Corn Leaf Blight Exserohilum triticum	Foliar	Apply 1-3 quarts in 10-20 gallons of water (2 to 7.5 liters in 100-200 liters per hectare)	For suppression start sprays when conditions are conducive to disease development.	Continue on a 7 day interval as long as conditions remain favorable.
Mite suppression Banks grass mite, Oligonychus banks Brown wheat mite, Petrobia latens Twospotted mite, Tetranychus urticae	Foliar	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liter of water per hectare)		
* Check with your local Extension Agent if you are unsure these conditions exist				

Citrus Crop Group (Bearing and Non-Bearing) including: Avocado, Calamondin, Citrus hybrids, Grapefruit, Kumquat, Lemon, Lime, Mandarin, Orange (all types), Pummelo and Satsuma mandarin.

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Phytophthora Pythium Fusarium Rhizoctonia Xanthomonas campestris Anthracnose	Foliar or	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liter of water per hectare)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached.
	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water per acre. (2.5 to 7.5 liters in a minimum of 100 liters of water per hectare.)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached. Do not apply Mite-Phite ZM at intervals less than 3 days.
	Root Dip	1 quart/100 gallons of water, 1/3 fluid ounce/gallon of water. (2.5 liters/1000 liters of water)	Apply a pre-plant dip immediately prior to planting. (100 gallons is intended to treat the number of slips required to plant one acre).	
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5-10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7.5 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Mite-Phite ZM at intervals less than 3 days.	
Downy Mildew Powdery Mildew	Foliar or	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liters of water per hectare)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Mite-Phite ZM at intervals less than 3 days.	
	Aerial	1 to 3 quarts in a minimum of 10 gallons of water per acre. (5 to 7.5 liters in a minimum of 100 liters of water per hectare.)		
Mite suppression Avocado brown mite, Oligonychus punicea Broad mite, Polyphagotarsonemus latus Citrus bud mite, Eriophyes sheldoni Citrus flat mite, Brevipalpus citri Citrus red mite, Panonychus citri Persea mite, O. perseae Sixpotted mite, Eotetranychus sexmaculatus Texas citrus mite, Eutetranychus banksi Twospotted mite, Tetranychus urticae Yuma mite, Eotetranychus yumensis	Foliar	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liter of water per hectare)		

* Check with your local Extension Agent if you are unsure these conditions exist

Cucurbit Crop Group: Chayote, Chinese waxgourd, Citron melon, Cucumber (all types), Gherkin, Gourd, Muskmelon, Pumpkin, Squash (summer and winter) and Watermelon.

Disease	Application Method	Rate	Prevention Program	Control Program
Phytophthora Pythium Fusarium Rhizoctonia Xanthomonas campestris Anthracnose	Foliar or	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liter of water per hectare)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached. Do not apply Mite-Phite ZM at intervals less than 3 days.
	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water per acre. (2.5 to 7.5 liters in a minimum of 100 liters of water per hectare.)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached. Do not apply Mite-Phite ZM at intervals less than 3 days.
	Root Dip	1 quart/100 gallons of water, 1/3 fluid ounce/gallon of water (2.5 liters/1000 liters of water)	Apply a pre-plant dip immediately prior to planting. (100 gallons is intended to treat the number of slips required to plant one acre).	
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5-10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7.5 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Mite-Phite ZM at intervals less than 3 days.	
Downy Mildew Powdery Mildew	Foliar or	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liters of water per hectare)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Mite-Phite ZM at intervals less than 3 days.	
	Aerial	1 to 3 quarts in a minimum of 10 gallons of water per acre. (2.5 to 7.5 liters in a minimum of 100 liters of water per hectare.)		
Mite suppression Brown wheat mite, Petrobia latens* Carmine mite, Tetranychus cinnabarinus Desert spider mite, T. desertorum Pacific mite, T. pacificus Strawberry mite, T. turkestanii	Foliar	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liter of water per hectare)		
* Check with your local Extension Agent if you are unsure these conditions exist				

Herbs and Spices Crop Group: Allspice, Angelica, Anise, Annatto, Balm, Basil, Borage, Burnet, Camomile, Caper buds, Caraway, Cardamom, Cassia bark and buds, Catnip, Celery seed, Chervil, Chive, Cinnamon, Clary, Clove, Cocoa, Coriander, Costmary, Cilantro, Cumin, Curry, Dill, Fennel, Fenugreek, Grains of paradise, Hops, Horehound, Hyssop, Juniper berry, Lavender, Lemongrass, Lovage, Mace, Marigold, Marjoram, Mint, Mustard, Nasturtium, Nutmeg, Parsley, Pennyroyal, Pepper, Poppy seed, Rosemary, Rue, Saffron, Sage, Savory, Sweet bay, Tansy, Tarragon, Thyme, Vanilla, Wintergreen, Woodruff and Wormwood.

Disease	Application Method	Rate	Prevention Program	Control Program
Phytophthora Pythium Fusarium Rhizoctonia Xanthomonas campestris Anthracnose	Foliar or	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liter of water per hectare)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached. Do not apply Mite-Phite ZM at intervals less than 3 days.
	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water per acre. (2.5 to 7.5 liters in a minimum of 100 liters of water per hectare.)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached.
	Root Dip	1 quart/100 gallons of water, 1/3 fluid ounce/gallon of water. (2.5 liters/1000 liters of water)	Apply a pre-plant dip immediately prior to planting. (100 gallons is intended to treat the number of slips required to plant one acre).	
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5-10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7.5 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Mite-Phite ZM at intervals less than 3 days.	
Downy Mildew Powdery Mildew	Foliar or	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liters of water per hectare)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Mite-Phite ZM at intervals less than 3 days.	
	Aerial	1 to 3 quarts in a minimum of 10 gallons of water per acre. (2.5 to 7.5 liters in a minimum of 100 liters of water per hectare.)		
Mite suppression Twospotted mite, Tetranychus urticae	Foliar	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liter of water per hectare)		
* Check with your local Extension Agent if you are unsure these conditions exist				

Legume Vegetables Crop Group: Bean (all types), broad bean (fava bean), Chick pea (garbanzo bean), Guar, Jackbean, Lablab bean, Lentil, Pea (all types), Peanut, Pigeon pea, Soybean and Sword bean.

Disease	Application Method	Rate	Prevention Program	Control Program
Phytophthora Fusarium Xanthomonas campestris Anthracnose Early & Late Leaf Spot on Peanut Cercospora arachidicola and Cercospora personatum	Foliar or	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liter of water per hectare)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached. Do not apply Mite-Phite ZM at intervals less than 3 days.
	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water per acre. (2.5 to 7.5 liters in a minimum of 100 liters of water per hectare.)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached.
	Root Dip	1 quart/100 gallons of water, 1/3 fluid ounce/gallon of water. (2.5 liters/1000 liters of water)	Apply a pre-plant dip immediately prior to planting. (100 gallons is intended to treat the number of slips required to plant one acre).	
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5-10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7.5 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Mite-Phite ZM at intervals less than 3 days.	
Downy Mildew Powdery Mildew	Foliar or	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in a minimum of 200 liters of water per hectare)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Mite-Phite ZM at intervals less than 3 days.	
	Aerial	1 to 3 quarts in a minimum of 10 gallons of water per acre. (2.5 to 7.5 liters in a minimum of 100 liters of water per hectare.)		
Mite suppression Twospotted mite, Tetranychus urticae	Foliar	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liter of water per hectare)		
* Check with your local Extension Agent if you are unsure these conditions exist				

Pome Fruits Crop Group (Bearing and Non-Bearing) including: Apple, Crabapple, Loquat, Mayhaw, Papaya, Pear, and Quince.

Disease	Application Method	Rate	Prevention Program	Control Program
Phytophthora Pythium Fusarium Rhizoctonia Xanthomonas campestris	Foliar or	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liter of water per hectare)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached. Do not apply Mite-Phite ZM at intervals less than 3 days.
	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water per acre. (2.5 to 7.5 liters in a minimum of 100 liters of water per hectare.)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached.
	Root Dip	1 quart/100 gallons of water, 1/3 fluid ounce/gallon of water. (2.5 liters/1000 liters of water)	Apply a pre-plant dip immediately prior to planting. (100 gallons is intended to treat the number of slips required to plant one acre).	
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5-10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (2.5-7.5 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Mite-Phite ZM at intervals less than 3 days.	
	Trunk Injection	3 teaspoons per linear yard of canopy or 2 inch trunk diameter at breast height. (15 milliliter per meter of canopy. Inject directly into tree trunk.)	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions. Repeat 2-4 times per year until control is reached.	
Downy Mildew Powdery Mildew	Foliar or	1 to 3 quarts in a minimum of 20 gallons of water per acre (2.5 to 7.5 liters in minimum of 200 liters of water per hectare)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Mite-Phite ZM at intervals less than 3 days.	
	Aerial	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in a minimum of 100 liters of water per hectare.)		
Fire Blight (Erwinia amylovora)	Foliar (Suppression Only)	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liter of water per hectare)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after disease become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Suppression Program*: Apply higher rate at 2-3 week intervals until control is reached. Do not apply Mite-Phite ZM at intervals less than 3 days.
Mite suppression European red mite, Panonychus ulmi McDaniel mite, Tetranychus mcDanieli Pacific mite, T pacificus Twopspotted mite, T. urticae	Foliar	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liter of water per hectare)		
* Check with your local Extension Agent if you are unsure these conditions exist				

Stone Fruits Crop Group including: Apricot, Cherry, Nectarine, Olive, Peach, Plum, Plumcot and Prune.

Disease	Application Method	Rate	Prevention Program	Control Program
Phytophthora Blight Fusarium Rhizoctonia Xanthomonas campestris	Foliar or	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in a minimum of 200 liter of water per hectare)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached. Do not apply Mite-Phite ZM at intervals less than 3 days.
	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water per acre. (2.5 to 7.5 liters in a minimum of 100 liters of water per hectare.)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached. Do not apply Mite-Phite ZM at intervals less than 3 days.
	Root Dip	1 quart/100 gallons of water, 1/3 fluid ounce/gallon of water. (2.5 liters/1000 liters of water)	Apply a pre-plant dip immediately prior to planting. (100 gallons is intended to treat the number of slips required to plant one acre).	
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5-10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7.5 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Mite-Phite ZM at intervals less than 3 days.	
	Trunk Injection	3 teaspoons per linear yard of canopy or 2 inch trunk diameter at breast height. (15 milliliter per meter of canopy. Inject directly into tree trunk.)	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions. Repeat 2-4 times per year until control is reached.	
Downy Mildew Powdery Mildew	Foliar or	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liters of water per hectare)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Mite-Phite ZM at intervals less than 3 days.	
	Aerial	1 to 3 quarts in a minimum of 10 gallons of water per acre. (2.5 to 7.5 liters in a minimum of 100 liters of water per hectare.)		
Mite suppression Brown mite, Bryobia rubrioculus European red mite, Panonychus ulmi Peach silver mite, Aculus cornutus Pacific mite, Tetranychus pacificus Twospotted mite T. urticae	Foliar	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liter of water per hectare)		
* Check with your local Extension Agent if you are unsure these conditions exist				

Tree Nuts Crop Group: Almond, Beech nut, Betelnut Palm, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Dates, Figs, Filbert, Grapes (all types), Hickory nut, Kiwi, Macadamia nut, Pecan, Pistachio, Vines and Walnut.

Disease	Application Method	Rate	Prevention Program	Control Program
Phytophthora Pythium Fusarium Rhizoctonia Xanthomonas campestris	Foliar or	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liter of water per hectare)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached. Do not apply Mite-Phite ZM at intervals less than 3 days.
	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water per acre. (2.5 to 7.5 liters in a minimum of 100 liters of water per hectare.)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached.
	Root Dip	1 quart/100 gallons of water, 1/3 fluid ounce/gallon of water. (2.5 liters/1000 liters of water)	Apply a pre-plant dip immediately prior to planting. (100 gallons is intended to treat the number of slips required to plant one acre).	
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5-10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7.5 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Mite-Phite ZM at intervals less than 3 days.	
	Trunk Injection	3 teaspoons per linear yard of canopy or 2 inch trunk diameter at breast height. (15 milliliter per meter of canopy. Inject directly into tree trunk.)	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions. Repeat 2-4 times per year until control is reached.	
Downy Mildew Powdery Mildew	Foliar or	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liters of water per hectare)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Mite-Phite ZM at intervals less than 3 days.	
	Aerial	1 to 3 quarts in a minimum of 10 gallons of water per acre. (5 to 7.5 liters in a minimum of 100 liters of water per hectare.)		
Mite suppression Brown mite, Bryobia rubrioculus European red mite, Panonychus ulmi Peach silver mite, Aculus cornutus Pacific mite, Oligonychus pratensis, Banks grass mite, Tetranychus pacificus Strawberry mite, T. turkestanii Twospotted mite, T. urticae Willamette mite, Eotetranychus willamettei	Foliar	1 to 4 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liter of water per hectare)		

* Check with your local Extension Agent if you are unsure these conditions exist

Vegetables Crop Group Including Miscellaneous Food Crops: (Leafy, Root and Tuber) Amaranth (Chinese spinach, tampala, etc.) Arracacha, Arugula, Arrowroot, Artichoke (all types), Asparagus, Beet (all types), Burdock, Canna, Cardoon, Carrot, Cassava, Celeriac, Celery, Chayote, Chervil (turnip-rooted), Chicory, Chilies, Chrysanthemum (edible), Chufa, Cinchoca, Coconut, Coffee, Com (all types), Cress (all types), Dandelion, Dasheen, Dock, Eggplant, Endive, Fennel, Garlic, Ginger, Ginseng, Horseradish, Leren, Lettuce (all types), Okra, Onion, Orach, Parsley, Parsnip, Peppers (all types), Pineapple, Purslane, Potato (all types)**, Radicchio, Radish (all types), Rhubarb, Rutabaga, Salsify (all types), Skirret, Spinach (all types), Sugarbeet, Sugarcane, Sweet Potato, Swiss chard, Tanier, Tobacco, Tomato, Turmeric, Turnip, Yam (all types).

Disease	Application Method	Rate	Prevention Program	Control Program
Phytophthora Pythium Fusarium Rhizoctonia Xanthomonas campestris Anthracnose	Foliar or	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liter of water per hectare)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached. Do not apply Mite-Phite ZM at intervals less than 3 days.
	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water per acre. (2.5 to 7.5 liters in a minimum of 100 liters of water per hectare.)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached. Do not apply Mite-Phite ZM at intervals less than 3 days.
	Root Dip	2 quart/100 gallons of water, 2/3 fluid ounce/gallon of water. (2.5 liters/1000 liters of water)	Apply a pre-plant dip immediately prior to planting. (100 gallons is intended to treat the number of slips required to plant one acre).	
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5-10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7.5 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Mite-Phite ZM at intervals less than 3 days.	
Downy Mildew Powdery Mildew	Foliar or	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liters of water per hectare)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Mite-Phite ZM at intervals less than 3 days.	
	Aerial	1 to 3 quarts in a minimum of 10 gallons of water per acre. (2.5 to 7.5 liters in a minimum of 100 liters of water per hectare.)		
Potato (all types)**	Application Method	Rate	Prevention Program	Control/Suppression Program
Storage Diseases Pink Rot (Phytophthora erythroseptica) Pythium Leak (Pythium spp)	In Furrow	3.75 -10 pints	For suppression of storage diseases such as Pink Rot and Pythium Leak apply 3 to 5 quarts in combination with 11.6 to 13 fluid ounces of a mefenoxam fungicide in a minimum of 3 gallons of water per acre. Apply in a band at planting directly over the seed pieces prior to row closure.	Additional in season foliar applications of Mite-Phite ZM product tank mixed with a mefenoxam, chlorothalonil or mancozeb is necessary when disease conditions are severe, the variety is susceptible to the disease, or the crop is planted in a long growing season area
Late Blight (Phytophthora infestans), Stem Canker (Rhizoctonia solani) (Suppression only) Storage Diseases Pink Rot (Phytophthora erythroseptica), Pythium Leak (Pythium spp)	Foliar or Aerial	2.5-10 pints in a minimum of 20 gallons of water per acre.	Apply every 4 to 14 days depending on disease severity. For Late Blight, combine/rotate this product with a mefenoxam, chlorothalonil, triphenyl tin or mancozeb labeled for Late Blight as necessary when disease conditions warrant. Do not apply Mite-Phite ZM at intervals less than 3 days.	*Note: 1 gallon container will not be sufficient for treating pink rot and late blight at the highest given application rate. An additional 1 gallon container or a larger container size will be necessary to achieve the maximum treatment rate.
Post Harvest, Late blight, Pink Rot, Silver Scurf (Streptomyces scabiei)	Spray	Apply 12.8 fluid ounces per ton of tubers in 0.5 gallon of water. Ensure complete coverage	Best disease control will be obtained with best management practices including complete sanitation of storage facilities and by maintaining the lowest temperature possible depending on the intended use of the crop.	
Mite suppression Tomato russet mite, Aculops lycopersici Two spotted mite, Tetranychus urticae Wheat curl mite, Eriophyse tulipae	Foliar	1 to 3 quarts in a minimum of 20 gallons of water per acre. (2.5 to 7.5 liters in minimum of 200 liter of water per hectare)		

ORNAMENTALS

Mite-Phite ZM fungicide is used for control of Pythium, Downy Mildew, Powdery Mildew, Phytophthora and various other diseases of ORNAMENTALS grown in commercial nurseries and greenhouses, golf courses, parks and commercial landscapes. Apply Mite-Phite ZM to all ornamental and landscape plants including (but not limited to): Aglaonema, Aphelandra, Arborvitae, Ash, Azaleas, Bougainvilleas, Boxwood, Bushes, Cattleya skinneri, Cedars, Ceanothus, Cotoneaster, Cissus, Diffenbachia, Dogwood, Ferns, Ficus, Flowering Trees, Hibiscus, Hard Wood Trees, Holly, Home Lawns, Juniper, Magnolia Trees, Maple, Pines, Oaks, Palms, Peperomia, Photinia, Pittosporum, Philodendron, Pieris, Pothos, Red woods, Rhododendron, Roses, Schefflera, Sedum, Sempervivum, Shrubs, Spathiphyllum, Sycamore, Taxus media, Zygocactus.

Apply Mite-Phite ZM prior to disease development in conjunction with good cultural practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or under heat or moisture stress. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Prevention Program	Control Program
Phytophthora Pythium, Fusarium Rhizoctonia Bacterial Blight Xanthomonas campestris Fire Blight (Erwinia amylovora Geranium Wilt (Ralstonia spp.) Anthracnose	Foliar Spray	1 to 2 quarts in a minimum of 100 gallons of water per acre. (2.5 to 5 liters in minimum of 1000 liter of water per hectare)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached. Do not apply Mite-Phite ZM at intervals less than 3 days.
	Soil Drench	12-24 fluid ounce in 100 gallons of water per acre. (1 to 2 liters in 1000 liters of water per hectare.)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached.
	Root Dip	1 quart/100 gallons of water, 1/3 fluid ounce/gallon of water. (2.5 liters/1000 liters of water)	Apply a pre-plant dip immediately prior to planting. (100 gallons is intended to treat the number of slips required to plant one acre).	
	Irrigation	Overhead: 1-2 quarts in at least 100 gallons of water. (2.5-5 liters in at least 1000 liters of water) Drip: 1-2 quarts in at least 100 gallons of water. (2.5-5 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Mite-Phite ZM at intervals less than 3 days.	
	Trunk Injection	3 teaspoons per linear yard of canopy or 2 inch trunk diameter at breast height. (15 milliliter per meter of canopy. Inject directly into tree trunk.)	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions. Repeat 2-4 times per year until control is reached.	
Downy Mildew Powdery Mildew	Foliar Spray	1 to 2.5 quarts in a minimum of 100 gallons of water per acre. (2.5 to 5 liters in minimum of 1000 liters of water per hectare)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above.	
Mite suppression European red mite, Panonychus ulmi Southern red mite, Oligonychus ilicis Spruce spider mite, O. ununguis Twospotted mite, Tetranychus urticae Eriophyid mites	Foliar	1 to 2 quarts in a minimum of 100 gallons of water per acre. (2.5 to 5 liters in minimum of 1000 liter of water per hectare)		

BEDDING PLANTS

Mite-Phite ZM fungicide is used for control, or suppression, of Downy Mildew, Powdery Mildew, Pythium, Phytophthora and various other diseases of bedding plants grown in commercial nurseries and greenhouses, golf courses, parks and commercial landscapes. Apply Mite-Phite ZM to all bedding plants including: Ageratum, Algerian Ivy, Alyssum, Anthurium, Artemisia, Aster, Baby's Breath, Begonia, Caladium, Carnation, Chrysanthemum, Coleus, Columbine, Daisy, Delphinium, Easter Lily, English Ivy, Foxglove, Gaillardia, Geranium, Gloxinia, Impatiens, Marigold, Pansy, Petunia, Phlox, Pinks, Poinsettia, Primrose, Prostrate Rosemary, Salvia, Snapdragon, Verbena, Vinca, Zinnia, etc.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3 day intervals. Do not apply to plants that are dormant or heat or moisture stressed. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Prevention Program	Control Program
Phytophthora Pythium, Fusarium Rhizoctonia Bacterial Blight Xanthomonas campestris Fire Blight (Erwinia amylovora) (Suppression only) Geranium Wilt (Ralstonia spp.) Anthracnose	Foliar Spray	1 to 2 quarts in a minimum of 100 gallons of water per acre. (2.5 to 5 liters in minimum of 1000 liter of water per hectare)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached. Do not apply Mite-Phite ZM at intervals less than 3 days.
	Soil Drench	12-24 fluid ounce in 100 gallons of water per acre. (1 to 2 liters in 1000 liters of water per hectare.)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached.
	Root Dip	1 quart/100 gallons of water, 1/3 fluid ounce/gallon of water. (2.5 liters/1000 liters of water)	Apply a pre-plant dip immediately prior to planting. (100 gallons is intended to treat the number of slips required to plant one acre).	
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5-10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7.5 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply Mite-Phite ZM at intervals less than 3 days.	
	Trunk Injection	3 teaspoons per linear yard of canopy or 2 inch trunk diameter at breast height. (15 milliliter per meter of canopy. Inject directly into tree trunk.)	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions. Repeat 2-4 times per year until control is reached.	
Downy Mildew Powdery Mildew	Foliar Spray	1 to 2 quarts in a minimum of 100 gallons of water per acre. (2.5 to 5 liters in minimum of 1000 liters of water per hectare)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. .	
Mites Two spotted mite, Tetranychus urticae	Foliar	1 to 2 quarts in a minimum of 100 gallons of water per acre. (2.5 to 5 liters in minimum of 1000 liter of water per hectare)		

**CONIFERS AND TREES IN COMMERCIAL NURSERIES, PLANTATIONS AND FORESTS, LANDSCAPES AND PARKS
(INCLUDING CHRISTMAS TREES, OAKS and PINES)**

Mite-Phite ZM applied in conjunction with good cultural management practices will control Phytophthora root rot of conifers including (but not limited to): Douglas Fir, spruce and pines also other Phytophthora disease of Oaks (Sudden Oak Death) and forest trees. Use the higher rates when disease pressure is severe. Do not apply to trees that are under heat or moisture stress. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3-day intervals.

Disease	Application Method	Rate	Prevention Program	Control Program
Phytophthora	Foliar Spray	1 to 2 quarts in a minimum of 100 gallons of water per acre. (2.5 to 5 liters in minimum of 1000 liter of water per hectare)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals after plants become established. Do not apply Mite-Phite ZM at intervals less than 3 days.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached. Do not apply Mite-Phite ZM at intervals less than 3 days.
	Soil Drench	12-24 fluid ounce in 100 gallons of water per acre. (1 to 2 liters in 1000 liters of water per hectare.)	Disease Prevention Program*: Apply lower rate at 2-4 week intervals.	Disease Control Program*: Apply higher rate at 2-3 week intervals until control is reached.
Phytophthora	Root Dip	2 quart/100 gallons of water, 2/3 fluid ounce/gallon of water. (5 liters/1000 liters of water)	Apply a pre-plant dip immediately prior to planting. (100 gallons is intended to treat the number of slips required to plant one acre).	
	Trunk Injection	3 teaspoons per linear yard of canopy or 2 inch trunk diameter at breast height. (15 milliliter per meter of canopy. Inject directly into tree trunk.)	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions. Repeat 2-4 times per year until control is reached.	
Mites Conifer mite, Oligonychus conifirarum Southern red mite, O. ilicis Spruce mite, O. ununguis	Foliar	1 to 2 quarts in a minimum of 100 gallons of water per acre. (2.5 to 5 liters in minimum of 1000 liter of water per hectare)		
Do not graze livestock in treated conifer nurseries and/or plantations. Do not feed forage to livestock from treated nurseries and/or plantations.				

TURF

(INCLUDES RESIDENTIAL AND COMMERCIAL LAWN APPLICATIONS BY COMMERCIAL APPLICATORS)

Mite-Phite ZM is a systemic fungicide, which is used for the control of Pythium blight, Summer Complex (Bermuda and others), Dollar Spot, Grey Leaf Spot, Brown Patch, Anthracnose and damping-off diseases to turf grasses on sod farms and lawns, commercial turf production, golf courses (including tees and greens), parks and commercial landscapes. Begin preventative applications when conditions first favor disease and repeat at described intervals. Use higher rates under severe disease conditions. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3-day intervals.

Disease	Application Method	Application Rate	Application Program
Pythium (Yellow Turf) Rhizoctonia Sclerotinia Helminthosporium Alternaria Anthracnose (Colletorichum graminicola)	Foliar Spray	2 to 3 fluid ounces per 1,000 square feet. (60 to 90 milliliters per 100 square meters)	Apply amount in minimum of 2 gallons of water per 1,000 square feet. Apply at 10 day intervals, as needed. Do not mow, or irrigate, treated areas until sprays have dried.
	Foliar Spray – Sod farms and large areas	1 to 3 quarts per 100 gallons of water per acre. (2.5 to 7.5 liters per 1000 liters per hectare)	Apply diluted solution to thoroughly wet foliage. Apply at 2-3 week intervals, as needed.
	Irrigation	Overhead: 2-3 quarts per 100 gallons of water. (5-7.5 liters/1000 liters of water)	Apply with normal irrigation schedule on a 10-21 interval, as needed.
Mites Bermudagrass mite, Eriophes cynodontiensis Clover mite, Bryobia praetiosa	Foliar	2 to 3 fluid ounces per 1,000 square feet. (60 to 90 milliliters per 100 square meters)	
Do not graze animals on treated turf. Do not feed clippings from treated turf to livestock and poultry.			

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep containers tightly closed when not in use. Keep away from heat and open flame.

PESTICIDE DISPOSAL: Pesticide wastes may be hazardous. Improper disposal of excess pesticides spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Use label language appropriate for container size and type.

NONREFILLABLE CONTAINERS: Do not reuse or refill this container. Clean container promptly after emptying.

NONREFILLABLE CONTAINER EQUAL TO OR LESS THAN 5 GALLONS: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 120 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 or reconditioning or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

NONREFILLABLE CONTAINER GREATER THAN 5 GALLONS: 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 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 or reconditioning or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

LIMITED WARRANTY AND DISCLAIMER It is the manufacturer's intention that this product is to be used in accordance with the Directions for Use as stated on this label. The use of this product being beyond control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such use or the results to be obtained if not used in accordance with printed directions and established safe practice. To the fullest extent permitted by law, the buyer's exclusive remedy and manufacturer's or seller's exclusive liability for any and all claims, losses, damages or injuries resulting from the use or handling of this product, whether or not based in contract, negligence, strict liability in tort or otherwise, shall be limited, at the manufacturer's option, to replacement of, or the repayment of the purchase price for, the quantity of product with respect to which damages are claimed.

Manufactured by: Agro-K Corporation, 8030 Main Street, Minneapolis, MN 55432



Agro-K Corporation
8030 Main Street, N.E.
Minneapolis, MN 55432-1844 U.S.A.
(800) 328-2418 • (763) 780-4116
www.agro-k.com