

PRECAUTIONARY STATEMENTS

DANGER

Hazards To Humans And Domestic Animals
DANGER Corrosive. Causes irreversible eye damage. Harmful if swallowed. Harmful if absorbed through the skin. Harmful if inhaled. Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing dust.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are barrier laminates, butyl rubber, nitrile rubber, neoprene rubber, PVC and viton. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.
Mixers, loaders, applicators and other handlers must wear the following:
• Long-sleeved shirt and long pants
• Chemical-resistant gloves made of any waterproof material
• Shoes plus socks
• Goggles or face shield

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:
• Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
• Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and change into clean clothing.
• Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates and may contaminate water through runoff. This product has a potential for runoff for several months or more after application. Poorly draining soils and soils with water tables are more prone to produce runoff that contains this product. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.
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 washwaters or rinsate.

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 trained handlers may use it in the area during application. For any requirements that are not on this label, consult the agency responsible for pesticide registration.

AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 48 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
• Chemical-resistant gloves made of any waterproof material
• Shoes plus socks
• Protective eyewear

AGRICULTURAL USE REQUIREMENTS (Continued)

For at least seven days following the application of copper-containing products in greenhouses:
• at least one container or station designated specifically for flushing eyes is available in operating condition with the WPS-required decontamination supplies for workers entering the area treated with copper-containing products,
• workers are informed orally, in a manner they can understand,
• that residues in the treated area may be highly irritating to their eyes,
• that they should take precautions, such as refraining from rubbing their eyes, to keep the residues out of their eyes,
• that if they do get residues in their eyes, they should immediately flush their eyes with the eye flush container that is located with the decontamination supplies and
• how to operate the eye flush container or eye flush station.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to the use 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 or allow others to enter until your product has dried.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal.
PESTICIDE STORAGE: Store in a cool, secure, dry area in original container.
PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, 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 DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Completely empty container into application equipment by shaking and tapping sides and bottom to loosen clinging particles. When completely empty, offer for recycling if available, or dispose of empty bag in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

RESTRICTIONS

MU-COP® HB may be applied by Air or by Dilute or Concentrated Ground Sprayers, or Application on crops and at rates given on this label unless specifically prohibited for that crop use. When selecting use type for MU-COP® HB, do not apply less than the label recommended minimum amount. Under heavy disease pressure or when conditions favor such, use the higher rate and shorter spray intervals specified for each crop. Use the higher rates for large mature tree crops. The per acre use rate is applicable for both dilute and concentrate spraying.

Sufficient spray volume and spray pressure are essential to thoroughly penetrate the plant canopy and give thorough coverage. On crop sensitive to copper fungicides use the higher volumes of spray water per acre. When making a concentrate or aerial application without specific experience, it is advisable to test for crop tolerance prior to full scale use.

While volume is important in obtaining full spray coverage, other factors such as foliage density, environmental conditions and spray calibrations, have a greater impact. Always be sure that sprayers are calibrated to spray equipment manufacturer's specifications and environmental conditions are within those recommended by State and local regulatory authorities.

When using adjuvants or other pesticides in combination with this product, always observe the precautionary statements on the product's label and required days after harvest. Before mixing with other products in spray tank, be sure that products are compatible. If compatibility is in question, use the compatibility jar test before mixing a whole tank.

MU-COP® HB should not be applied to spray water having a pH of less than 5.5 as phytotoxicity may result. Use a buffering agent to increase the pH to 6.5-7.0 if your water source is below 5.5. Also avoid using water having a pH of greater than 9.0 as effectiveness may be reduced. Environmental conditions such as extended periods of wet weather, acid rain, etc. which alter the pH of the leaf surface may affect the performance of MU-COP® HB resulting in possible phytotoxicity or loss of effectiveness.

POSTING INSTRUCTIONS

Posting of areas to be chemigated is required when 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 when 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 field sensitive areas. This sign is in addition to any sign posted to comply with the Worker Protection Standard. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location 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 material to prevent deterioration and maintain legibility for the duration of the posting period.

SPRAY DRIFT MANAGEMENT

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.
MU-COP® HB should not exceed 75% of the wingspan or 90% of the rotor blade diameter. Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. When applications are made with a crosswind, the swath must be displaced downwind. The applicator must compensate for this displacement at the up and downwind edge of the application area by adjusting the path of the aircraft upward.

GROUNDROUNDER APPLICATION

Do not apply with a nozzle height greater than 4 feet above the crop canopy.
The following specific instructions are based on general application procedures. The recommendations of the State Agricultural Extension Service should be closely followed as to timing, frequency and number of sprays per season.

FRUIT INJURY PROTECTION:

Bacterial leaf necrosis inhibitor - Application of MU-COP® HB made to all crops listed on this label at rates and stages of growth indicated on this label for at least 24 hours prior to anticipated frost conditions will afford control of necrotizing bacteria (Pseudomonas syringae, Erwinia herbicola, and Pseudomonas fluorescens) and may thereby provide some protection against frost frost. The degree of frost protection will vary with weather conditions and other factors. Not recommended for those geographical areas where weather conditions favor severe frost.

Agricultural chemicals may perform in an unpredictable manner when tank mixed, especially where several products are involved. Reduced effect on pests or crop injury may occur. Unless recommended on this label or by state/local agent, it is advisable to test for compatibility and tolerance to crop injury prior to full scale commercial utilization of a new tank mix or tank mixing should not be undertaken.

This product may be reactive on metal and masonry surfaces such as galvanized roofing. Avoid contact with metal surfaces. Do not spray cars, houses, lawn furniture, etc.

MIXING INSTRUCTIONS FOR SPRAY APPLICATION

Fill the spray tank 3/4 to 4/5 full with clean water. Start agitation (NOTE: Proper agitation creates a rippling or rolling action on the liquid surface). Add MU-COP® HB at the recommended rate. Mix thoroughly and then add enough water to fill spray tank. Maintain sufficient agitation during mixing and during application of sprays to ensure a uniform spray mixture. When tank mixing with other products, follow the mixing sequence below: (1) micro nutrients and fertilizers, (2) wettable powders, dry flowables and water dispersible granules, (3) liquid flowables, (4) emulsifiable concentrates and (5) adjuvants. Before adding the second pesticide, be sure that the prior product is well mixed and suspended before adding the next ingredient.

MINIMUM RECOMMENDED SPRAY VOLUME

IN GALLONS PER ACRE (GPA)
A full dilute spray on tree crops means the minimum amount of spray when uniformly applied that an acre of such trees will hold to the point that excess spray begins to drip off. Thus the dilute spray volume per acre will depend on tree size and leaf surface per acre. The following listed dilute spray volumes will be generally provide such coverage on average size of full leafed trees. A concentrate spray is a spray applied in less volume than a dilute. The extent of the concentration varies by equipment used. Thus the following spray volumes for a concentrated spray are the minimum volumes recommended per acre.

Use MU-COP® HB as noted below unless indicated otherwise in the specific crop directions. MU-COP® HB is adaptable to spraying from aircraft and ground spraying equipment. Depending on the equipment used and the specific crop, the volume applied per acre will differ. Refer to recommended volumes below.

Table with columns: Crop, Aerial Dilute, Concentrate. Rows: Vegetables and Field Crops, Small Fruits, Vines, Fruit and Nut Trees, Citrus.

*For young fruit trees, use a minimum of 1 gallon spray per acre.
**Pesticide application equipment such as Curbs or other similar sprayers which are capable of obtaining thorough coverage at low volumes may be used at as low as 20 GPA of spray volume.

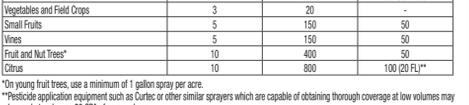


Table with columns: Disease, Application Rate (lbs/Acre), Minimum Days Retreatment Interval, Comment. Rows: Cercospora & Leptosphaeria Leaf Spots.

Table with columns: Disease, Application Rate (lbs/Acre), Minimum Days Retreatment Interval, Comment. Rows: Dormant to Pink Bud Season, Bacterial Blast (Pseudomonas), Coryneum Blight (Shot hole), Bloom/Growing Season, Coryneum Blight, Blossom Brown Rot.

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Table with columns: Disease, Application Rate (lbs/Acre), Minimum Days Retreatment Interval, Comment. Rows: Fall & Late Dormant, Anthracnose, European Canker, Pseudomonas Syringae, Fireblight.

DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENTS
Black Rot Powdery Mildew Downy Mildew Phomopsis	1.0 - 3.0	3	Begin applications at late dormant up to bud break with subsequent applications throughout the season depending upon disease severity. NOTE: Foliage injury may occur on copper sensitive varieties such as Concord, Delaware, Niagara, and Beboles. Filter test for sensitivity or add 1 to 3 pounds of hydrated lime per pound of NU-COP® HB.
RESTRICTIONS Maximum single application rate is 3.0 lbs/A (1.5 lbs metallic copper equivalent) Maximum annual application rate is 40.0 lbs/A (20.0 lbs metallic copper equivalent)			

Not For Use in California Unless Accompanied by a Supplemental Label			
DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Anthracoze Red Algae	1.5	7	Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.
RESTRICTIONS Maximum single application rate is 1.5 lbs/A (0.75 lb metallic copper equivalent) Maximum annual application rate is 10.0 lbs/A (4.92 lbs metallic copper equivalent)			

DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Downy Mildew	1.0	10	Apply as a fungicide crown treatment (after pruning, but before training) as needed. After training, additional fungicide treatments are needed at 10 day intervals. Discontinue use 2 weeks before harvest.
RESTRICTIONS Maximum single application rate is 1.0 lbs/A (0.5 lb metallic copper equivalent) Maximum annual application rate is 5.0 lbs/A (2.5 lbs metallic copper equivalent)			

DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Pseudomonas syringae Erwinia herbicola Pseudomonas fluorescens	4.2	30	Make applications on a monthly basis. A maximum of 3 applications may be made.
RESTRICTIONS Maximum single application rate is 4.2 lbs/A (2.1 lbs metallic copper equivalent) Maximum annual application rate is 12.6 lbs/A (6.3 lbs metallic copper equivalent)			

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DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Anthracoze	2.0 - 5.2	14	Begin application before disease is expected to appear. Repeat at 14 day intervals. Use the higher rates when conditions favor disease. The addition of a suitable spreader-sticker may be desirable especially during periods of heavy rains.
RESTRICTIONS Maximum single application rate is 5.2 lbs/A (2.6 lbs metallic copper equivalent) Maximum annual application rate is 42.4 lbs/A (21.2 lbs metallic copper equivalent)			

DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Bacterial Blight (Pseudomonas sp.)	1.5	10	Begin applications when plants are first established in the field and repeat at 10 day intervals depending upon disease severity and environmental conditions.
RESTRICTIONS Maximum single application rate is 1.5 lbs/A (0.75 lb metallic copper equivalent) Maximum annual application rate is 4.0 lbs/A (2.0 lbs metallic copper equivalent)			

Not For Use in California Unless Accompanied by a Supplemental Label			
DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Anthracoze	3.0	7	Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.
RESTRICTIONS Maximum single application rate is 3.0 lbs/A (1.5 lbs metallic copper equivalent) Maximum annual application rate is 18.0 lbs/A (9.0 lbs metallic copper equivalent)			

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DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Bacterial Spot Bacterial Blight Septoria Leaf Blight Late Blight (Alternaria)	2.0 - 4.2	14	Make initial application at bud swell and repeat on a 14 - 28 day schedule. Use higher rates when conditions favor disease.
RESTRICTIONS Maximum single application rate is 4.2 lbs/A (2.1 lbs metallic copper equivalent) Maximum annual application rate is 16.8 lbs/A (8.4 lbs metallic copper equivalent)			

DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Dormant Season: Coryneum blight (Shot hole)	4.0 - 8.0	7	Apply as a dormant spray. Use the higher rate when rainfall is heavy and/or disease pressure is high.
Bloom & Growing Season: Brown rot blossom blight Black Knot	2.0 - 3.0	5	Apply full cover application at pink, red or early white bud stage. Use the higher rate when disease pressure is heavy or conditions favor disease development.
RESTRICTIONS Maximum single dormant season application rate is 8.0 lbs/A (4.0 lbs metallic copper equivalent) Maximum single growing season application rate is 3.0 lbs/A (1.5 lbs metallic copper equivalent) Maximum annual application rate is 36.0 lbs/A (18.0 lbs metallic copper equivalent)			

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DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Bacterial Spot Bacterial Blight Septoria Leaf Blight Late Blight	1.0 - 1.5	3	Apply, when disease threatens, in sufficient water to provide adequate coverage. Use at 3 - 14 day intervals depending on disease severity.
RESTRICTIONS Maximum single application rate is 1.5 lbs/A (0.75 lb metallic copper equivalent) Maximum annual application rate is 23.5 lbs/A (11.75 lbs metallic copper equivalent)			

DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Bacterial Blight Bacterial Spot Septoria Leaf Blight Late Blight (Alternaria)	2.0 - 4.2	14	Make initial application at bud swell and repeat on a 14 - 28 day schedule. Use higher rates when conditions favor disease.
RESTRICTIONS Maximum single application rate is 4.2 lbs/A (2.1 lbs metallic copper equivalent) Maximum annual application rate is 16.8 lbs/A (8.4 lbs metallic copper equivalent)			

DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Dormant Season: Coryneum blight (Shot hole)	4.0 - 8.0	7	Apply as a dormant spray. Use the higher rate when rainfall is heavy and/or disease pressure is high.
Bloom & Growing Season: Brown rot blossom blight Black Knot	2.0 - 3.0	5	Apply full cover application at pink, red or early white bud stage. Use the higher rate when disease pressure is heavy or conditions favor disease development.
RESTRICTIONS Maximum single dormant season application rate is 8.0 lbs/A (4.0 lbs metallic copper equivalent) Maximum single growing season application rate is 3.0 lbs/A (1.5 lbs metallic copper equivalent) Maximum annual application rate is 36.0 lbs/A (18.0 lbs metallic copper equivalent)			

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DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Early Blight Bacterial Speck Bacterial Spot Anthracoze Gray Leaf Mold Gray Leaf Spot Septoria Leaf Spot Late Blight	1.0	3	When disease threatens, apply at 7 - 10 day intervals, more frequently when disease is severe.
RESTRICTIONS Maximum single application rate is 1.0 lbs/A (0.5 lb metallic copper equivalent) Maximum annual application rate is 34.5 lbs/A (17.25 lbs metallic copper equivalent)			

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DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Algae	4.0 - 6.0	10	May be used as a maintenance spray as needed. May be used alone or in combination with fungicides such as dithiocarbamates. Use a minimum of 100 gallons of water per acre. Phytotoxicity may depend on varied differences. Apply the recommended rate to a small area and observe 7 - 10 days for phytotoxicity. If phytotoxicity occurs, discontinue use.
RESTRICTIONS Maximum single application rate is 6.0 lbs/A (3.0 lbs metallic copper equivalent) Maximum annual application rate is 18.0 lbs/A (9.0 lbs metallic copper equivalent)			

DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Walnut Blight	4.0 - 6.3	7	Apply first spray at early pre-bloom when catkins are partially expanded. Make three additional applications during bloom and early nutlet stages at 7 - 10 day intervals. Additional applications may be necessary when frequent rainfall occurs. Thorough coverage of catkins, leaves and nutlets is essential for effective control. When applied as a dilute spray, 1 pint of summer oil emulsion may be added per 100 gallons of spray. NOTE: Adequate control may not be obtained when copper tolerant species of Xanthomonas bacteria are present.
RESTRICTIONS Maximum single application rate is 6.3 lbs/A (3.15 lbs metallic copper equivalent) Maximum annual application rate is 50.4 lbs/A (25.2 lbs metallic copper equivalent)			

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CROP	LATIN NAME	DISEASE
Althea (Rose of Sharon)+	<i>Hibiscus syriacus</i>	Bacterial Leaf Spot
Aralia	<i>Dryopteris elegantissima</i>	Xanthomonas & Cercospora Leaf Spots, Alternaria
Arborvitae+	<i>Thuja</i> sp.	Alternaria Twig Blight, Cercospora Leaf Blight
Azalea+	<i>Rhododendron</i> sp.	Cercospora Leaf Spot, Botrytis Blight, Phytophthora Dieback & Powdery Mildew
Begonia	<i>Begonia semperflorens</i>	Bacterial leaf spot (Xanthomonas sp., Erwinia sp., Pseudomonas sp.)
Bougainvillea+	<i>Bougainvillea spectabilis</i>	Anthracoze, Bacterial Leaf Spot
Bulbs, (Tulip, Gladiolus)	Miscellaneous	Anthracoze, Botrytis Blight
Camellia+	<i>Camellia japonica</i> , <i>C. sasanqua</i>	Anthracoze, Bacterial Leaf Spot
Campor Tree+	<i>Cinnamomum camphora</i>	Pseudomonas Leaf Spot
Carina+	<i>Canna</i> sp.	Pseudomonas Leaf Spot
Carrot*†	<i>Daucus</i> sp.	Alternaria Blight, Pseudomonas Leaf Spot, & Botrytis Blight
Chinese Yew Tree+	<i>Podocarpus neriifolius</i>	Bacterial Leaf Spot (Xanthomonas sp., Pseudomonas sp.)
Cyprusian Hawthorn*	<i>Crataegus monnina</i>	Bacterial Leaf Spot, & Botrytis Blight
Coleonaster	<i>Coleonaster</i> sp.	Botrytis Blight
Dahlia+	<i>Dahlia pinata</i>	Alternaria Leaf Spot, Botrytis Gray Mold, Cercospora Leaf Spot
Date Palm+	<i>Phoenix canariensis</i>	Pestalotia Leaf Spot
Dianthus+	<i>Dianthus</i> sp.	Bacterial Spot, Bacterial Soft Rot
Daylily+	<i>Commis Florida</i>	Anthracoze
Dusty Miller+	<i>Senecio cineraria</i>	Bacterial Leaf Spot (Pseudomonas cichori)
Eastler Lily*	<i>Lilium longiflorum</i>	Bacterial Leaf Spot (Pseudomonas cichori)
Echinacea+	<i>Echinacea</i> sp.	Bacterial Leaf Spot (Pseudomonas cichori)
Elm "Drake"+	<i>Ulmus parvifolia</i>	Xanthomonas Leaf Spot
Eunymus sp.	<i>Eunymus</i> sp.	Botrytis Blight & Anthracnose
European Fan Palm+	<i>Chamaerops rumilis</i>	Pestalotia Leaf Spot
Gardenia+	<i>Gardenia jasminoides</i>	Alternaria Leaf Spot, Botrytis Bud Rot, Cercospora Leaf Spot
Geranium+	<i>Pelargonium</i> sp.	Alternaria Leaf Spot, Botrytis Gray Mold, Cercospora Leaf Spot
Gladiolus	<i>Gladiolus</i> sp.	Alternaria Leaf Spot, Botrytis Gray Mold, Bacterial Leaf Blight
Golden Rain Tree+	<i>Koeleria paniculata</i>	Bacterial Leaf Spot
Hibiscus+	<i>Hibiscus rosa-sinensis</i>	Bacterial Leaf Spot
Holly Fern+	<i>Cytidium bicoloratum</i>	Pseudomonas Leaf Spot
Impatiens+	<i>Impatiens sallowana</i>	Bacterial Leaf Spot
India Hawthorn**	<i>Raphiolepis indica</i>	Anthracoze, Entomosporeum Leaf Spot
Ivy (English, Algerian)*	<i>Hedera helix</i> , <i>H. canariensis</i>	Xanthomonas Leaf Spot
Jacq+	<i>Jacq. coccinea</i>	Xanthomonas Leaf Spot
Jupiter (Eastern Red Cedar)*	<i>Juniperus virginiana</i>	Anthracoze
Lantana+	<i>Lantana camara</i>	Bacterial Leaf Spot

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DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Downy Mildew	0.5 - 2.0	5	Begin treatment when disease first appears and repeat every 5 - 10 days as needed to suppress disease.
NOTE: Flecking and/or yellowing of leaves will occur under certain environmental conditions such as extended periods of moist weather, acid rains, or other conditions favoring reduced pH on leaf surfaces. Injury may be severe enough to reduce crop value. Increasing the volume of spray water may decrease phytotoxicity potential.			
RESTRICTIONS Maximum single application rate is 2.0 lbs/A (1.0 lb metallic copper equivalent) Maximum annual application rate is 16.0 lbs/A (8.0 lbs metallic copper equivalent)			

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DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Anthracoze	1.5	7	Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.
RESTRICTIONS Maximum single application rate is 1.5 lbs/A (0.75 lb metallic copper equivalent) Maximum annual application rate is 9.6 lbs/A (4.8 lbs metallic copper equivalent)			

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DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Bull Moss	2.0 - 4.0*	A second application may be required after 12 months	Mix at a 2 - 4 lbs per 100 gallons of water ratio. Apply in spring after heavy rain, using 1.5 gallons of spray per foot of tree height. Make sure to wet tufts thoroughly. (NOTE: NU-COP® HB may be injurious to some ornamentals grown under live oaks.)
RESTRICTIONS Maximum single application rate is 4.0 lbs/A (2.0 lbs metallic copper equivalent) Maximum annual application rate is 40.0 lbs/A (20.0 lbs metallic copper equivalent)			

Not For Use in California Unless Accompanied by a Supplemental Label			
DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Anthracoze	3.0	7	Initiate sprays at first sign of flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.
Blossom blight Raceme blight	3.0	7	Apply during peak osmium development and bloom period. Use higher rates when conditions favor disease.
RESTRICTIONS Maximum single application rate is 3.0 lbs/A (1.5 lbs metallic copper equivalent) Maximum annual application rate is 18.0 lbs/A (9.0 lbs metallic copper equivalent)			

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DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Dormant & late dormant: Bacterial Spot Leaf Curl Coryneum Blight (Shot hole)	4.0 - 8.0	7	Apply at leaf fall as dormant application. Use the higher rate when rainfall is very heavy and disease pressure is high. May be used with an agricultural spray oil.
Brown Rot Blossom Blight	4.0 - 6.0	7	Apply as a full cover spray at pink bud. (Application at this time also affords some control of Leaf Curl and Coryneum Blight. NOTE: Do not spray later than three weeks prior to harvest. Do not use at rates above those recommended.)
Bloom & Growing Season: Bacterial Spot	0.5 - 2.0	5	Post-bloom application applied at first and second cover sprays. NOTE: Do not spray 3 weeks prior to harvest. Spotting of leaves and some defoliation may occur from use in post-bloom cover sprays.
RESTRICTIONS Maximum single dormant season application rate is 8.0 lbs/A (4.0 lbs metallic copper equivalent) Maximum single growing season application rate is 3.0 lbs/A (1.5 lbs metallic copper equivalent) Maximum annual application rate is 36.0 lbs/A (18.0 lbs metallic copper equivalent)			

Not For Use in California Unless Accompanied by a Supplemental Label			
DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Cercospora Leaf Spot	0.75 - 1.5	7	Begin spraying 25-40 days after planting or when disease symptoms appear. Use sufficient water to get adequate coverage. Continue applications at 7 - 14 day intervals. Reduce spray interval to 7 days during humid weather.
RESTRICTIONS Maximum single application rate is 1.5 lbs/A (0.75 lb metallic copper equivalent) Maximum annual application rate is 9.0 lbs/A (4.5 lbs metallic copper equivalent)			

DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Cercospora Leaf Spot	0.75 - 1.5	7	Begin spraying 25-40 days after planting or when disease symptoms appear. Use sufficient water to get adequate coverage. Continue applications at 7 - 14 day intervals. Reduce spray interval to 7 days during humid weather.
RESTRICTIONS Maximum single application rate is 1.5 lbs/A (0.75 lb metallic copper equivalent) Maximum annual application rate is 9.0 lbs/A (4.5 lbs metallic copper equivalent)			

DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Downy Mildew Leaf Spot Leaf Blight	1.0 - 1.5	7	Begin application when plants are established and continue on a weekly schedule throughout season. Apply in at least 20 gallons of water. Use the higher rates when conditions favor disease. NOTE: Discontinue applications if signs of phytotoxicity appear.
RESTRICTIONS Maximum single application rate is 1.5 lbs/A (0.75 lb metallic copper equivalent) Maximum annual application rate is 16.0 lbs/A (8.0 lbs metallic copper equivalent)			

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Not For Use in California Unless Accompanied by a Supplemental Label			
DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Early & Late Blight	0.5 - 2.5	5	Apply 1.0 - 1.5 pounds at 5 - 10 day intervals starting when plants are 2 - 6 inches high until 2 weeks before harvest in locations where disease is light and up to 3 - 5 pounds per acre where disease is more severe. Under conditions of severe disease, control with NU-COP® HB will be improved by tank mixing with other compatible fungicides registered for use on potatoes. Read and follow all label instructions of tank mix partners.
RESTRICTIONS Maximum single application rate is 2.5 lbs/A (1.25 lbs metallic copper equivalent) Maximum annual application rate is 50.0 lbs/A (25.0 lbs metallic copper equivalent)			

DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Anthracoze, Gray Mold, Cercospora Leaf Spot, Downy Mildew, White Rust	1.0 - 1.5	7	Begin applications when disease first appears or conditions favor disease development. Repeat at 7 - 10 day intervals as needed. NOTE: Flecking may occur on spinach leaves.
RESTRICTIONS Maximum single application rate is 1.5 lbs/A (0.75 lb metallic copper equivalent) Maximum annual application rate is 7.5 lbs/A (3.75 lbs metallic copper equivalent)			

DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Downy Mildew Leaf Spot Leaf Blight	1.0 - 1.5	7	Begin application when plants are established and continue on a weekly schedule throughout season. Apply in at least 20 gallons of water. Use the higher rates when conditions favor disease. NOTE: Discontinue applications if signs of phytotoxicity appear.
RESTRICTIONS Maximum single application rate is 1.5 lbs/A (0.75 lb metallic copper equivalent) Maximum annual application rate is 16.0 lbs/A (8.0 lbs metallic copper equivalent)			

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DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Cercospora Leaf Spot	1.0	7	Begin application when plants are first established in the field, repeating at 7-14 day intervals depending on disease severity and environmental conditions. Do not exceed 4 applications per crop. Apply using ground spray equipment at not less than 50 gallons of spray solution per acre.
RESTRICTIONS Maximum single application rate is 1.0 lbs/A (0.5 lb metallic copper equivalent) Maximum annual application rate is 4.0 lbs/A (2.0 lbs metallic copper equivalent)			

DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Septoria Leaf Blotch Helminthosporium Spot Blotch	0.75 - 1.0	10	Make first application at early heading and follow with second application 10 days later.
RESTRICTIONS Maximum single application rate is 1.0 lbs/A (0.5 lb metallic copper equivalent) Maximum annual application rate is 2.0 lbs/A (1.0 lb metallic copper equivalent)			

DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Downy Mildew Leaf Spot Leaf Blight	1.0 - 1.5	7	Begin application when plants are established and continue on a weekly schedule throughout season. Apply in at least 20 gallons of water. Use the higher rates when conditions favor disease. NOTE: Discontinue applications if signs of phytotoxicity appear.
RESTRICTIONS Maximum single application rate is 1.5 lbs/A (0.75 lb metallic copper equivalent) Maximum annual application rate is 16.0 lbs/A (8.0 lbs metallic copper equivalent)			

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DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Cercospora Leaf Spot	1.0	7	Begin application when plants are first established in the field, repeating at 7-14 day intervals depending on disease severity and environmental conditions. Do not exceed 4 applications per crop. Apply using ground spray equipment at not less than 50 gallons of spray solution per acre.
RESTRICTIONS Maximum single application rate is 1.0 lbs/A (0.5 lb metallic copper equivalent) Maximum annual application rate is 4.0 lbs/A (2.0 lbs metallic copper equivalent)			

DISEASE	APPLICATION RATE (lbs/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Septoria Leaf Blotch Helminthosporium Spot Blotch	0.75 - 1.0	10	Make first application at early heading and follow with second application 10 days later.
RESTRICTIONS Maximum single application rate is 1.0 lbs/A (0.5 lb metallic copper equivalent) Maximum annual application rate is 2.0 lbs/A (1.0 lb metallic copper equivalent)			

CROP	LATIN NAME	DISEASE
Lilac+	<i>Syringa</i> sp.	Cercospora Leaf Spot
Lobelia Bay+	<i>Gonolobus lasianthus</i>	Anthracoze
Loganberry+	<i>Eubotrya japonica</i>	Entomosporeum muscatella, Colletotrichum sp.
Magnolia (Sweetbark)+	<i>Magnolia grandiflora</i>	Algal Leaf Spot, Anthracnose, Bacterial Leaf Spot
Magnolia (Sweet Bay)	<i>Magnolia virginiana</i>	Anthracoze
Magnolia+	<i>Maconella soulangiana</i>	Bacterial Leaf Spot
Mandevilla+	<i>Mandevilla</i> sp.	Anthracoze
Mangold+	<i>Tagetes</i> sp.	Alternaria Leaf Spot, Botrytis Leaf and Flower Rot, Cercospora Leaf Spot
Mulberry, Weeping+	<i>Morus alba</i>	Bacterial Leaf Spot
Oak, Laurel+	<i>Quercus laurifolia</i>	Algal Leaf Spot (Zophthora virescens)
Oleander+	<i>Nerium oleander</i>	Bacterial Leaf Spot, Fungal Leaf Spot
Pachysandra	<i>Pachysandra procumbens</i>	Volutella Leaf Blight
Pansy+	<i>Viola</i> sp.	Downy Mildew
Pear (Flowering)+	<i>Pyrus calleryana</i>	Fireblight, Leaf Spot
Persea (Egyptian Star)+	<i>Persea</i> sp.	Bacterial Leaf Spot (Xanthomonas sp.)
Peony+	<i>Paeonia</i> sp.	Botrytis Blight
Periwinkle	<i>Catharanthus roseus</i> , <i>Vinca</i> sp.	Phomopsis Stem Blight
Philodendron	<i>Philodendron sellowii</i>	Bacterial Leaf Spot
Plum+	<i>Prunus</i> sp.	Anthracoze, Leaf Spot
Plumina (Red Top, Red Leaf)+	<i>Plumina fraseri</i> , <i>P. glabra</i>	Anthracoze, Entomosporeum
Pistachio+	<i>Pistacia chinensis</i>	Anthracoze
Plantain Lily+	<i>Hosta</i> sp.	Bacterial Leaf Spot
Powder Puff Plant+	<i>Callindra</i> sp.	Bacterial Leaf Spot
Pyramantha	<i>Pyramantha</i> sp.	Fireblight & Scab
Queen Palm+	<i>Arecastrum romanoffianum</i>	Entomosporeum Leaf Spot, Phytophthora Bud Rot