54705-7

28-18-2008



#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

AUG 1 8 2008

Lawn and Garden Products, Inc. c/o Lynne Zahigian Regulatroy Consulting P.O. Box 1566 Fallon, NV 89407-1566

Subject: LIQUI-COP EPA Registration No. 54705-7 Label Amendment Your Application Dated June 24, 2008

Dear Ms. Zahigian:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable and a stamped copy is enclosed for your records.

Sincerely your

Tony Kish Product Manger 22 Fungicide Branch Registration Division (H7505C)

Enclosure

# MASTER LABEL

ACCEPTED AUG 18 2008 Under the Federal Insecticide, Fungloide, and Rodenticide Act, as emended, for the pesticide registered under FFA Reg. No. 54 705-7

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Alternate Brand Name: LIQUI-COP RTS

# COPPER FUNGICIDAL GARDEN SPRAY

Controls Many Diseases Attacking Citrus, Fruits, Nuts, Vegetables and Ornamentals

#### FOR RESIDENTIAL USE ONLY

ACTIVE INGREDIENT:	
Copper Ammonium Complex*	31.4%
CAS No. 16828-95-8	
OTHER INGREDIENTS:	68.6%
TOTAL:	00.0%

\* Metallic Copper Equivalent, 8.0% Contains 0.784 lbs. Copper per gallon.

**Sublabel A** – Non-Commercial/Residential Uses (Not Subject to the Worker Protection Standard)

**Sublabel B** – Hose-End Sprayer Label for Non-Commercial/Residential Uses (Not Subject to the Worker Protection Standard)

EPA Reg. No. 54705-7

EPA Est. No. 48498-CA-1



Manufactured for: LAWN AND GARDEN PRODUCTS, INC. P. O. Box 35000 • Fresno, CA 93745 • (559) 499-2100 www.montereylawngarden.com



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# SUBLABEL A – NONCOMMERCIAL/RESIDENTIAL USES

# LIQUI-COP

# COPPER FUNGICIDAL GARDEN SPRAY

Controls Many Diseases Attacking Citrus, Fruits, Nuts, Vegetables and Ornamentals

FOR RESIDENTIAL USE ONLY

ACTIVE INGREDIENT:	
Copper Ammonium Complex*	4%
CAS No. 16828-95-8	
OTHER INGREDIENTS:	6%
TOTAL:	

\* Metallic Copper Equivalent, 8.0% Contains 0.196 lbs. Copper per quart or Contains 0.098 lbs. Copper per pint

EPA Reg. No. 54705-7

EPA Est. No. 48498-CA-1

# NET CONTENTS: 1 Pint or 1 Quart



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LAWN AND GARDEN PRODUCTS, INC.

P. O. Box 35000 • Fresno, CA 93745 • (559) 499-2100

www.montereylawngarden.com

	KEEP OUT OF REACH OF CHILDREN
	CAUTION
	FIRST AID
IF IN EYES:	<ul> <li>Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
IF ON SKIN OR CLOTHING:	<ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15 - 20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
IF SWALLOWED	<ul> <li>Call poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
	HOT LINE NUMBER
	container or label with you when calling a poison control center or doctor, or going for treatment. tact the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment

#### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Causes eye and skin irritation. Harmful if swallowed, absorbed through the skin or inhaled. May cause skin sensitization reactions in certain individuals. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist. Wear protective eyewear (goggles, face shield or safety glasses), clothing and chemical-resistant gloves when handling this product. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash clothing before reuse. Do not use food utensils such as teaspoons or tablespoons for food purposes after use with pesticides.

#### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic invertebrates and may contaminate water through runoff. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

# **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 any person or pet, either directly or through drift. Only protected users may be in the area during application. Do not enter or allow others to enter the treated area until sprays have dried.

SHAKE WELL BEFORE USING.

#### INFORMATION

The control of diseases with fungicides is based on prevention. Plant surfaces must be completely covered with the fungicide to successfully prevent infection. Copper pesticides are considered preventative, not curative of plant diseases. Use the highest indicated rate when disease incidence is high or expected to be, depending on rainfall and temperature. The lower rate is suitable for general preventive sprays under normal conditions. Since weather conditions and disease incidence vary, consult your Agricultural Extension Service for timing and initial application.

#### **GENERAL INSTRUCTIONS**

Seek advice on identifying specific disease problems and solutions from your local Agricultural Extension Agent or other knowledgeable persons.

Partially fill the spray tank/container with water. Add the desired amount of LIQUI-COP and continue filling the tank/container. If applied with other products, add LIQUI-COP last. Agitate the tank during mixing and application until tank is empty. A plastic or metal stirring stick should provide adequate agitation. Observe all cautions and limitations on labeling of all products used in mixtures. Start with clean equipment. Equipment should be flushed well with water after use.

#### **APPLICATION:**

**Fruits and Nuts:** Mix specified rate in 1 gallon of water and apply 3 gallons of mixed solution to a small tree or bush, 6 gallons of mixed solution to a medium size tree, or 9 gallons of mixed solution to a large tree. Thoroughly spray tree to point of runoff, including upper and lower surfaces of foliage. Do not overspray. Do not mix more spray solution than needed.

Vegetables: Mix specified rate in 1 gallon of water and apply 2 gallons of mixed solution per 1,000 sq. ft. (1 gallon of mixed solution per 500 sq. ft.)

**Miscellaneous:** For herbs: Mix specified rate in 1 gallon of water and apply 2 gallons of mixed solution per 1,000 sq. ft. (1/2 gallon of mixed solution per 250 sq. ft.) For trees: Mix specified rate in 1 gallon of water and apply 3 gallons of mixed solution to a small tree, 6 gallons of mixed solution to a medium size tree, or 9 gallons of mixed solution to a large tree. Thoroughly spray tree to point of runoff, including upper and lower surfaces of foliage. Do not overspray. Do not mix more spray solution than needed.

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

FRUITS AND NUTS	DISEASE CONTROLLED	RATE	INSTRUCTIONS
ALMONDS	Brown Rot	4 – 6 tsp.	Apply at delayed dormant* bud swell stage. Dormant oil may be used.
	Shot Hole	4 – 6 tsp.	Apply at leaf fall to protect buds and shoots from infection during rainy periods. Reapply every 3 to 4 weeks up to late bud swell. Do not apply after full bloom.

#### FRUITS AND NUTS

# EPA MASTER LABEL

APPLES	Anthracnose	4 – 5 tsp.	Apply to foliage after harvest annually.
	Apple Scab (Black Spot) Bacterial Canker Blossom and Shoot Blast	4 – 6 tsp.	Apply post-harvest before fall rains.
	Fire Blight	1/2 – 1 tsp.	Apply at 10% bloom and repeat at $5 - 7$ day intervals during the bloom period. Do not use on copper-sensitive varieties.
		4 – 6 tsp.	Apply as a full cover spray between silver-tip and green-tip. Discontinue when green-tip reaches ½ inch as injuries may occur.
APRICOTS	Brown Rot Blossom Blight	4 – 6 tsp.	Apply at red bud to jacket fall stage.
	Shot Hole	4 – 6 tsp.	Apply at leaf fall to protect buds and shoots from infection during rainy periods. Reapply up to late bud swell at 7 day intervals. Do not apply after full bloom.
AVOCADOS	Anthracnose	4 tsp.	Apply when the flower buds begin to swell and continue at monthly intervals until August.
BANANAS	Sigatoka	1 – 2 tsp.	Apply every 3 – 4 weeks.
	Black Pitting	2.5 fl. oz.	Mix in 1 gallon of water. Apply directly to the fruit stem and include the basal portion of the leaf crown. Apply during the first and second weeks after fruit emergence.
BLUEBERRIES	Bacterial Canker	4 – 5 tsp.	Apply before fall rains and again 4 weeks later.
	Cane Canker	4 – 5 tsp.	Apply before fall rains and again 4 weeks later. In the spring during wet weather, apply at 10-14 day intervals beginning at leaf emergence.
CANEBERRIES	Anthracnose Leaf and Cane Spot Purple Blotch Yellow Rust	1 – 2 tsp.	Apply when leaf buds open. Repeat when flower buds show white and continue at 10 – 14 day intervals.
	Anthracnose Bacterial Blight Leaf and Cane Spot Purple Blotch Yellow Rust	4 – 6 tsp.	Apply in the fall after harvest.
CHERRIES	Deadbud Coryneum Blight	2 fl. oz.	Apply in October (before heavy fall rains) and again in January. Where disease is severe, another application should be applied in August.
	Brown Rot Blossom Blight	4 6 tsp.	Apply as a full cover spray at popcorn stage and at full bloom.
CITRUS	Greasy Spot Melanose Pink Pitting Scab	2 – 4 tsp.	Apply as pre-bloom and post bloom sprays.
	Brown Rot	1 – 3 tsp.	Apply in the fall before or just after heavy rains. In areas of skirt sprays, apply to a height of at least 4 feet. (Skirt sprays are applications up to 4 ft. high on the tree. The whole tree is not sprayed.)
CRANBERRIES	Fruit Rot	4 tsp.	Apply beginning in late bloom. One or two additional applications made at 10 – 14 day intervals may be required depending on disease pressure. Follow the advice of the State Agricultural Extension Service.
CURRANTS, GOOSEBERRIES	Anthracnose Leaf Spot (Cane Blight)	3 – 5 tsp.	Make 3 applications starting after harvest, before bloom and after petal fall.
FILBERTS	Bacterial Blight	5 – 6 tsp.	Apply after harvest. Under severe conditions, apply again when ½ of the leaves have dropped.
	Eastern Filbert Blight	5 – 6 tsp.	Make initial application after harvest in October before heavy rains begin. The next application should be made in late February to early March, followed by another application 1 month later. Use higher rate when rainfall is heavy and disease pressure is high.
GRAPES	Anthracnose Black Rot Downy Mildew Powdery Mildew	1 tsp.	Apply just before bud break when the shoots are 6 – 8 inches long, just after bloom, and every 4 – 10 days throughout the season as needed. Foliar injury may occur on copper sensitive varieties.
ĸiwi	Pseudomonas syringea Erwinia herbicola Pseudomonas fluorescens	4 tsp.	Apply in 4 gallons of water per 1,000 sq. ft. Make applications on a monthly basis. A maximum of 3 applications may be made.
LIMES	Greasy Spot	4 tsp.	Apply in June and continue at monthly intervals through August.
MANGOS (Not for use in California)	Anthracnose	4 tsp.	Apply weekly from the time the panicles are 2 inches in length until all fruits are set and monthly thereafter until August.
OLIVES	Peacock Spot	2 – 4 tsp.	Make first application before winter rains fall. A second application should be made in early spring if disease is severe.

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PEACHES NECTARINES	Bacterial Spot	4 tsp.	Apply as a dormant spray. Make post bloom application at ½ tsp. per gallon at first and second cover sprays. Do not spray later than 3 weeks prior to harvest. Do not use at rates above those recommended. <b>NOTE:</b> Slight defoliation and spotting of leaves may occur from use in cover sprays.
	Blossom Brown Rot	4 – 6 tsp.	Apply as a dormant or delayed dormant* spray. Can use with dormant spray oil. Do not apply at or after full bloom.
	Leaf Curl Shot Hole	4 – 6 tsp.	Apply at leaf fail to protect buds and shoots from infection during rainy periods. Reapply up until late bud swell. Do not apply after full bloom.
PEARS	Fire Blight	½ - 1 tsp.	Apply at 10% bloom and repeat at 5 - 7 day intervals throughout bloom period. Do not use on copper sensitive varieties.
	Blossom Blast	4 – 6 tsp.	Apply as a dormant spray. Apply only at bud break to control primary infection.
PECANS	Shuck and Kernel Rot Zonate Leaf Spot	2 – 5 tsp.	For suppression, apply in sufficient water to ensure complete spray coverage at $2 - 4$ week intervals starting at kernel growth and continuing until shucks open. Use the higher rate and shorter interval if frequent rainfall occurs.
PISTACHIOS	Alternaria Late Blight	4 – 6 tsp.	Apply at 50% and full bloom followed by up to 3 applications at 30-day intervals.
	Botrytis Blight Botryosphaeria Panicle Shoot Blight Septoria Leaf Blight	4 – 6 tsp.	Make initial application at bud swell and repeat on a 14 – 28 day schedule as dictated by disease conditions. If disease conditions are severe, use the higher rate and shorter interval.
PLUMS PRUNES	Brown Rot Blossom Blight Coryneum Blight (Shot Hole)	4 – 6 tsp.	Apply as a dormant spray before heavy rains begin. For Brown Rot, apply at early green bud to full popcorn stages.
	Bacterial Blast Bacterial Canker	4 – 6 tsp.	Apply at dormant to early pink stage.
STRAWBERRIES	Leaf Spot Scorch	3 – 4 tsp.	Apply at 7 – 10 day intervals from the time new growth starts until harvest.
WALNUTS	Walnut Blight	4 – 6 tsp.	Make first application at early pre-bloom. Make second application at late pre-bloom. Make additional applications if disease conditions persist at 7 day intervals.

\* Delayed Dormant - The period just before blossom buds break open.

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#### VEGETABLES

VEGETABLES	DISEASE CONTROLLED	RATE	INSTRUCTIONS
BEANS, PEAS, LENTILS (Succulent and Dry)	Bacterial Blight (Halo and Common)	2 – 6 tsp.	Apply when plants are 3 - 5 inches high and before diseases appear. Repeat at 7- 10 day intervals or at 5 - 7 day intervals under severe disease pressure.
BEETS	Cercospora Leaf Spot	3 – 6 tsp.	Apply when disease appears making 3 to 6 sprays at 10 – 14 day intervals. Apply more frequently under severe disease pressure.
CARROTS	Early Blight Late Blight	4 – 6 tsp.	Apply when plants are 6" high. Make 3 to 5 applications at 7 - 10 day intervals.
CELERY	Bacterial Blight Early Blight Late Blight	4 – 6 tsp.	Apply as soon as plants are established and repeat at 5 - 7 day intervals.
CORN (Sweet)	Bacterial Rot Bacterial Stripe Bacterial Wilt Leaf Blight Stalk Rot	4 tsp.	Apply when disease appears and repeat as necessary.
CRUCIFERS [Broccoli, Brussels	Blackleaf Spot Black Rot	2 – 6 tsp.	Apply when disease appears and repeat at 7 - 10 day intervals.
Sprouts, Cabbage, Cauliflower, Greens (Collard, Mustard and Turnip)]	Downy Mildew	1 – 2 tsp.	Apply when disease appears and repeat at 7 – 10 day intervals.
CUCURBITS	Alternaria Leaf Spot	3 – 4 tsp.	Apply when disease appears and repeat at 7 to 10-day
(Cantaloupe, Cucumber, Honeydew, Muskmelon, Pumpkin, Squash, Watermelon)	Angular Leaf Spot Anthracnose Downy Mildew Gummy Stem Blight Powdery Mildew Watermelon Bacterial Fruit Blotch		intervals.
ONIONS	Downy Mildew Purple Blotch	4 tsp.	Apply when plants are 4 - 6 inches high and repeat at 7 to 10-day intervals.



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PEPPERS	Bacterial Spot Cercospora Leaf Spot	3 - 6 tsp.	Make first application upon emergence of seedlings or immediately after transplanting and repeat at 7 – 10 day intervals. When disease is severe, apply at 4 - 5 day intervals. NOTE: Disease control is critical during fruiting.
POTATOES	Early Blight Late Blight	3 -6 tsp.	Apply at first appearance of disease and repeat at 7 – 10 day intervals.
SPINACH	Anthracnose Cercospora Leaf Spot Downy Mildew	3 tsp.	Apply on first appearance of disease and repeat at 7 – 10 day intervals.
TOMATOES	Bacterial Speck Bacterial Spot Early Blight Late Blight	3 – 6 tsp.	Make first application upon emergence of seedlings or immediately after transplanting and repeat at $7 - 10$ day intervals. When disease is severe, apply at $4 - 5$ day intervals. Complete coverage is essential for disease control.

#### **MISCELLANEOUS**

MISCELLANEOUS	DISEASE CONTROLLED	RATE	INSTRUCTIONS
CARAMBOLA	Anthracnose	6 tsp.	Make initial application just before flowering and repeat on a weekly schedule until just before harvest.
CHIVES	Downy Mildew	4 tsp.	Begin applications when plants are first established. Repeat applications every 7 - 10 days as dictated by disease conditions. If disease pressure is high, use the shorter spray interval.
DILL	Phoma Leaf Spot Rhizoctonia Foliage Blight	6 tsp.	Begin applications when plants are first established and repeat at 7 - 10 day intervals depending upon disease severity and environmental conditions. If disease pressure is high, use the shorter spray interval.
DOUGLAS FIR	Rhabdocline Needlecast	4 tsp.	Begin applications at bud break and repeat at 3 - 4 week intervals. Apply in a tank mix with another registered pesticide if moderate to severe disease pressure is present.
GUAVA	Anthracnose Red Algae	6 tsp.	Make initial application just before flowering and repeat on a weekly schedule until just before harvest.
LITCHI	Anthracnose	6 tsp.	Make initial application just before flowering and repeat on a weekly schedule until just before harvest.
LIVE OAK	Ball Moss	2 fl. oz.	Apply in the spring when ball moss is actively growing using 1.5 gallons of spray per foot of tree height. Make sure to wet ball moss tufts thoroughly. A second application may be required after 12 months. NOTE: LIQUI-COP may be injurious to ornamentals grown under Live Oaks. This product may be reactive on metal and masonry surfaces such as galvanized roofing. Avoid contact with metal surfaces. Do not spray on cars, houses, lawn furniture, etc.
MACADAMIA	Anthracnose	3 tsp.	Initiate sprays at first sign of flowering and repeat on a weekly schedule until just before harvest.
	Phytophthora Blight Raceme Blight	2 – 3 tsp.	Apply during raceme development and bloom periods.
ΡΑΡΑΥΑ	Anthracnose	2 - 5 tsp.	Begin applications before disease appears and repeat at 10 - 14 day intervals. Apply at 5 - 7 day intervals during periods of heavy rainfall. Use higher rates when conditions favor disease.
PARSLEY	Bacterial Blight	6 tsp.	Begin applications when plants are first established and repeat at 5 - 7 day intervals depending upon disease severity and environmental conditions.
PASSION FRUIT	Anthracnose	3 tsp.	Make initial application just before flowering and repeat on a weekly schedule until just before harvest.
SUGAR APPLE (Annona)	Anthracnose	4 – 6 tsp.	Make initial application just before flowering and repeat on a weekly schedule until just before harvest.
SYCAMORE	Anthracnose	4 – 6 tsp.	Apply as a full coverage spray. Apply in 1 gallon of water or sufficient volume for thorough coverage. Make first application at bud crack and second application 7 - 10 days later at 10% leaf expansion.

# ORNAMENTALS

For use in container, landscape and outdoor ornamental plantings. LIQUI-COP can also be used on ornamentals in home greenhouses and shadehouses.

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Apply as a thorough coverage spray using 2 teaspoons per gallon of water. Begin application at first sign of disease and repeat at 7-14 day intervals as needed. Use shorter interval during periods of frequent rains or when severe disease conditions persist.

Notice to User: Plant sensitivities to LIQUI-COP have been found to be acceptable in specific genera and species listed on this label; however, it is impossible to know sensitivities under all conditions and phytotoxicity may occur. Due to the large numbers of species and varieties of ornamentals, it is impossible to test every one for sensitivity to LIQUI-COP. Neither the manufacturer or seller recommends use upon species not listed on the label nor has it been determined that LIQUI-COP can safely be used on ornamental plants not listed on this label. The user should determine if LIQUI-COP can be used safely prior to use.

Athean (See of Sharon)         Becterial et soct           Aralia         Atternaria Cercospora leaf spot, Xanthomonas leaf spot           Achoruta         Atternaria te spot light, Cercospora leaf spot, Phytophtron deback, Powdery mildew           Begoria         Becterial leaf spot (Chrives a.p., Paudomonas sp., Xanthomonas sp.)           Bouganivilla         Anthracose, Backerial leaf spot           Bubg (Tulip, Cladicus)         Anthracose, Backerial leaf spot           Cannalia         Anthracose, Backerial leaf spot           Chrines tallow tree         Bacterial leaf spot           Chrines tallow tree         Bacterial leaf spot           Cohnestair         Botrylis blight, Septoris larg spot           Data palm         Pestalotia leaf spot           Data palm         Pestalotia leaf spot           Data palm         Pestalotia leaf spot           Data palm         Backerial leaf spot           Databa         Backerial leaf spot </th <th>PLANT</th> <th>DISEASE CONTROLLED</th> <th></th>	PLANT	DISEASE CONTROLLED	
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Azaba <sup>11</sup> Botrylis blight, Cercospora leaf spot, Phytophthora dieback, Powdary mildew           Begonia         Bacterial leaf spot (Erwins sp., Pseudomonas sp., Xanthomonas sp.)           Bougairwillea         Anthrecones, Botrylis blight.           Camplor tree         Pseudomonas leaf spot           Camphor tree         Pseudomonas leaf spot           Camania         Pseudomonas leaf spot           Camania         Pseudomonas leaf spot           Cananio         Pseudomonas leaf spot           Cananio         Pseudomonas leaf spot           Chinese tallow tree         Bacterial leaf spot (Pseudomonas ser, Xantamonas sep.)           Chineseter         Botrylis blight, Septoria laaf spot           Dahla         Alternaria blight, Septoria laaf spot           Data palm         Petatolai leaf spot (Pseudomonas certoni)           Data palm         Petatolai leaf spot (Pseudomonas cichorii)           Data palm         Petatolai leaf spot (Pseudomonas cichorii)           Echinea         Bacterial leaf spot (Pseudomonas cichorii)           Echinea         Bacterial leaf spot (Pseudomonas cichorii)           Echinea         Bacterial leaf spot (Pseudomonas cichorii)           Echinea         Anthracnose, Botrylis blight           Ecorymus         Anthracnose, Botrylis blight           Ecorymus	Aralia	Alternaria, Cercospora leaf spot, Xanthomonas leaf spot	
Begonia         Bacterial leaf spot (Erwine sp., Peeudomonas sp., Xanthomonas sp.)           Bougainvillea         Anthracnose, Bacterial leaf spot           Bougainvillea         Anthracnose, Bacterial leaf spot           Camelia         Anthracnose, Bacterial leaf spot           Campitor tree         Pseudomonas leaf spot           Canna         Pseudomonas leaf spot           Canna         Pseudomonas leaf spot           Cannator <sup>(1)</sup> Alternaria blight, Botrytis blight, Pseudomonas leaf spot           Chinesa tallow tree         Bacterial leaf spot (Pseudomonas sp., Xantamonas sp.)           Chinesa tallow tree         Bacterial leaf spot (Pseudomonas sp., Xantamonas sp.)           Colonester         Botrytis blight, Septoria leaf spot           Dahia         Alternaria leaf spot (Pseudomonas cichorii)           Date palm         Pestalotal leaf spot (Pseudomonas cichorii)           Date ymiller         Bacterial leaf spot (Pseudomonas cichorii)           Etimosca         Bacterial leaf spot (Pseudomonas cichorii)           Etorymus         Anthracnose, Botrytis blight           Europan fandim         Pestalotal leaf spot           Gardenia         Alternaria leaf spot (Pseudomonas cichorii)           Etoriance         Bacterial leaf spot           Gardenia         Alternaria leaf spot, Botrytis blight, Botrytis gray	Arborvitae	Alternaria twig blight, Cercospora leaf blight	
Bougarwise         Anthracoses, Bacterial leaf spot           Buils (Tulp, Gladious)         Anthracoses, Bacterial leaf spot           Camplia         Anthracoses, Bacterial leaf spot           Camptor tree         Pesudomonas leaf spot           Carnation <sup>(1)</sup> Atternaria blight, Botrytis blight, Pseudomonas leaf spot           Carnation <sup>(1)</sup> Atternaria blight, Botrytis blight, Pseudomonas sep, Cantamonas sep.)           Chinese tatlow tree         Bacterial leaf spot (Pseudomonas sep.)           Chinese tatlow tree         Bacterial leaf spot (Pseudomonas sep.)           Cotonesser         Botrytis blight, Septotal leaf spot           Data         Pseudomonas leaf spot           Data paim         Pestatoria leaf spot           Data paim         Bacterial leaf spot (Pseudomonas schorii)           Data paim         Bacterial leaf spot (Pseudomonas chorii)           Echinacea         Bacterial leaf spot (Pseudomonas chorii)           Echinacea         Bacterial leaf spot (Pseudomonas chorii)           Europen fan palm         Pestaloite leaf spot           Europen fan palm         Pestaloite leaf spot           Gardenia         Athrenaria leaf spot, Botrytis built, Teccospora leaf spot           Gardenia         Athrenaria leaf spot, Botrytis Bryth, Spotrytis gray mold           Gordenian tree         Bacterial l	Azalea <sup>(1)</sup>	Botrytis blight, Cercospora leaf spot, Phytophthora dieback, Powdery mildew	
Bubs (Tuip, Gladious)         Anthranose, Backrial leaf spot           Campior tree         Pseudoronas leaf spot           Canano         Pseudoronas leaf spot           Canano         Pseudoronas leaf spot           Canano         Pseudoronas leaf spot           Canano         Bactrial leaf spot (Pseudoronas se ps.)           Chinese tallow tree         Bactrial leaf spot (Pseudoronas se ps.)           Chinese tallow tree         Bactrial leaf spot (Pseudoronas se ps.)           Cohoneaster         Botrylis blight           Daha         Alternaria leaf spot (Pseudoronas sep.)           Daha         Alternaria leaf spot (Pseudoronas cel spot           Date pain         Psetatolia leaf spot (Pseudoronas cichorii)           Ederial leaf spot (Pseudoronas cichorii)         Economas           Ederial leaf spot (Pseudoronas cichorii)         Economas           Europrate'         Xanthronoas leaf spot           Europrate'         Xanthronoas leaf spot           Gardenia         Alternaria leaf spot, Botrylis blight           Europrate na pain         Psetatolia leaf spot, Botrylis gray mold, Cercospora leaf spot           Gardenia         Alternaria leaf spot, Botrylis gray mold, Cercospora leaf spot           Gardenia         Alternaria leaf spot, Botrylis blight           Europan Earopo         B	Begonia	Bacterial leaf spot (Erwina sp., Pseudomonas sp., Xanthomonas sp.)	
Camelia         Anthracnose, Bacterial leaf spot           Campio tree         Pseudomonas leaf spot           Canna         Pseudomonas leaf spot           Camation <sup>(1)</sup> Alternaria blight, Bolrylis blight, Pseudomonas sp., Xantamonas sp.)           Chinese tallow tree         Bacterial leaf spot (Pseudomonas sp., Xantamonas sp.)           Chinese tallow tree         Bacterial leaf spot (Pseudomonas sp., Xantamonas sp.)           Cohoneaster         Bolrylis blight, Septivia gray mold, Cercospora leaf spot           Dahia         Alternaria leaf spot (Pseudomonas ochorii)           Date palm         Psetalotis leaf spot           Dogwood         Anthracnose           Dusty miller         Bacterial leaf spot (Pseudomonas chorii)           Echinacea         Bacterial leaf spot (Pseudomonas chorii)           European fan palm         Pestalotia leaf spot           European fan palm         Pestalotia leaf spot           Gerarium         Anthracnose, Bolryis blight           European fan palm         Pestalotia leaf spot           Gerarium         Alternaria leaf spot, Botryib bud rot, Cercospora leaf spot           Gardenia         Alternaria leaf spot, Botryib bud rot, Cercospora leaf spot           Gardenia         Alternaria leaf spot, Botryib bud rot, Cercospora leaf spot           Gardenia         Alternaria leaf spot	Bougainvillea	Anthracnose, Bacterial leaf spot	
Camphor tree         Pseudomonas leaf spot           Canna         Pseudomonas leaf spot           Cannaton <sup>110</sup> Alternaria bijdin, Bortyis bijdin, Pseudomonas teaf spot           Chinese tallow tree         Bacterial leaf spot (Pseudomonas sp., Xantamonas sp.)           Chinese tallow tree         Bacterial leaf spot (Pseudomonas sp., Xantamonas sp.)           Cohonester         Bortyis bijdin, Septoria leaf spot           Data palm         Psetalotial leaf spot           Date palm         Pestalotia leaf spot           Date palm         Pestalotia leaf spot           Dianthus         Bacterial soft, Bacterial soft, Bacterial soft           Diagwood         Anthracnose           Dusty miller         Bacterial leaf spot (Pseudomonas citcorii)           Ein Drake"         Xanthomonas leaf spot           Europrus         Anthracnose, Bortyis bijdin           European fan palm         Pestalotia leaf spot           Gararenia         Anthracnose, Bortyis bijdin, Bortyis gray mold, Cercospora leaf spot           Gararenia         Alternaria leaf spot, Bortyis budy rot, Cercospora leaf spot           Gararenia         Alternaria leaf spot, Bortyis bijdin, Bortyis gray mold           Gararenia         Alternaria leaf spot, Bortyis pray mold, Cercospora leaf spot           Gararenia         Alternaria leaf spot, Bortyis gray mo	Bulbs (Tulip, Gladious)	Anthracnose, Botrytis blight	
Canna         Pseudomonas leaf spot           Camation <sup>111</sup> Alternaria blight, Botyrits blight, Pseudomonas leaf spot           Chinese tallow tree         Bactrial leaf spot (Pseudomonas sp., Xantamonas sp.)           Chysanthemum <sup>10</sup> Botyrits blight           Dahlia         Alternaria leaf spot, Botyrits gray mold, Cercospora leaf spot           Dahlia         Alternaria leaf spot, Botyrits gray mold, Cercospora leaf spot           Dahu         Pestalotia leaf spot, Botyrits gray mold, Cercospora leaf spot           Datmus         Bacterial leaf spot (Pseudomonas chicorii)           Destore         Xanthoronas leaf spot           Dusty miller         Bacterial leaf spot (Pseudomonas chicorii)           Echinecea         Bacterial leaf spot (Pseudomonas chicorii)           Europear fan paim         Pestalotia leaf spot           Europear fan paim         Pestalotia leaf spot           Garatenia         Alternaria leaf spot, Botyrits bud rot, Cercospora leaf spot           Garatenia         Alternaria leaf spot, Botyrits gray mold, Cercospora leaf spot           Garatenia         Alternaria leaf spot, Botyrits gray mold, Cercospora leaf spot           Garatenia         Alternaria leaf spot, Botyrits gray mold, Cercospora leaf spot           Garatenia         Alternaria leaf spot, Botyrits gray mold           Gaderial teaf spot         Auternari	Camellia	Anthracnose, Bacterial leaf spot	
Carnation <sup>111</sup> Alternaria bilght, Botrylis bilght, Pseudomonas leaf spot           Chinese tatiow tree         Bacterial leaf spot (Pseudomonas sp., Xantamonas sp.)           Cotoneaster         Botrylis bilght           Dahla         Alternaria leaf spot           Dahla         Alternaria teaf spot, Botrylis gray mold, Cercospora leaf spot           Dahla         Alternaria teaf spot           Dahla         Alternaria teaf spot           Dainthus         Bacterial soft rot, Bacterial spot           Daysy miller         Bacterial leaf spot           Dosty miller         Bacterial leaf spot           Dusty miller         Bacterial leaf spot           Europrake <sup>1</sup> Xanthromonas leaf spot           Europrake         Xanthromonas leaf spot           Europrake         Xanthromonas leaf spot           Gardenia         Alternaria leaf spot, Botrylis bilght           European fan palm         Pestalotia leaf spot, Botrylis gray mold, Cercospora leaf spot           Gadolus         Alternaria leaf spot, Botrylis gray mold, Cercospora leaf spot           Gadorius         Alternaria leaf spot, Botrylis gray mold           Golderaria tree         Bacterial leaf spot           Hibicos         Bacterial leaf spot           Hibicos         Bacterial leaf spot <td< td=""><td>Camphor tree</td><td>Pseudomonas leaf spot</td><td></td></td<>	Camphor tree	Pseudomonas leaf spot	
Chinese tallow tree         Bacterial leaf spot (Pseudomonas sp., Xantamonas sp.)           Chysanthemum <sup>10</sup> Botrytis bight, Septoria leaf spot           Dahia         Alternaria leaf spot, Botrytis gray mold, Cercospora leaf spot           Date palm         Pestaloia leaf spot           Date palm         Pestaloia leaf spot           Date palm         Bacterial soft on, Bacterial spot           Dogwood         Anthracose           Dusty miller         Bacterial leaf spot (Pseudomonas chorii)           Echnecea         Bacterial leaf spot (Pseudomonas chorii)           Eunoracea         Bacterial leaf spot (Pseudomonas chorii)           Europae fan palm         Pestaloia leaf spot           Europae fan palm         Pestaloia leaf spot           Gardenia         Anthracnose, Botrytis buight           Europae fan palm         Pestaloia leaf spot, Botrytis bud rot, Cercospora leaf spot           Gardenia         Alternaria leaf spot, Botrytis bud rot, Cercospora leaf spot           Gardenia         Alternaria leaf spot, Botrytis bud rot, Cercospora leaf spot           Holiby fern         Pestaloia leaf spot           Holiby fern         Pestaloia leaf spot           Holiby fern         Pestaloia leaf spot           Logiath, Agerian I <sup>(11)</sup> Xanthormonas leaf spot           Logue	Canna	Pseudomonas leaf spot	
Chrysanthemum <sup>(1)</sup> Botrylis blight           Cotoneaster         Botrylis blight           Dahlia         Alternaria leaf spot. Botrylis gray mold, Cercospora leaf spot           Data palm         Pestalotia leaf spot.           Data palm         Besterial spot           Darthus         Bacterial spot           Dogwood         Anthracnose           Dosty miller         Bacterial leaf spot (Pseudomonas chloriti)           Echinacea         Bacterial leaf spot (Pseudomonas chloriti)           Elm 'Drake'         Xanthromonas leaf spot           Euorymus         Anthracnose, Botrylis blight           European fan palm         Pestalotia leaf spot, Botrylis gray mold, Cercospora leaf spot           Gerarium         Alternaria leaf spot, Botrylis gray mold, Cercospora leaf spot           Gatolus         Alternaria leaf spot, Botrylis gray mold, Cercospora leaf spot           Gatolus         Alternaria leaf spot, Botrylis gray mold           Gatolus         Bacterial leaf spot           Holisous         Bacterial leaf spot           Logue         Bacterial leaf spot	Carnation <sup>(1)</sup>	Alternaria blight, Botrytis blight, Pseudomonas leaf spot	
Cotoneaster         Botrylis blight           Dahia         Alternaria leaf spot, Botrylis gray mold, Cercospora leaf spot           Date palm         Pestalotia leaf spot           Daymod, Carcospora leaf spot         Pestalotia leaf spot           Dogwood,         Anthracnose           Dusty miller         Bacterial leaf spot (Pseudomonas cichoril)           Echnacea         Bacterial leaf spot (Pseudomonas chicoril)           Elm 'Drake'         Xanthomonas leaf spot           European fan palm         Pestalotia leaf spot (Seudomonas chicoril)           European fan palm         Pestalotia leaf spot           Gardenia         Alternaria leaf spot, Botrylis blight           European fan palm         Pestalotia leaf spot, Botrylis gray mold, Cercospora leaf spot           Gardenia         Alternaria leaf spot, Bacterial leaf spot, Botrylis gray mold           Goldenrain tree         Bacterial leaf spot           Bacterial leaf spot         Bacterial leaf spot           Hibiscus         Bacterial leaf spot           Holy fern         Pseumonas leaf spot           Impatiens         Bacterial leaf spot           Ivy (English, Algerian) <sup>(11)</sup> Xanthomonas leaf spot           Ivy (English, Algerian) <sup>(11)</sup> Xanthomonas leaf spot           Lobioly bay         Calteotrichum sp., Entomo	Chinese tallow tree	Bacterial leaf spot (Pseudomonas sp., Xantamonas sp.)	
Datia         Alternaria leaf spot, Botrytis gray mold, Cercospora leaf spot           Date palm         Pestalotia leaf spot           Dianthus         Bacterial soft rol, Bacterial spot           Dogwood         Anthracnose           Dusty miller         Bacterial leaf spot (Pseudomonas cichoril)           Echnacea         Bacterial leaf spot (Pseudomonas cichoril)           Elm 'Drake'         Xanthomonas leaf spot           Euorymus         Anthracnose, Botrytis bight           European fan palm         Pestalotia leaf spot, Gercospora leaf spot           Gardenia         Alternaria leaf spot, Botrytis bud rot, Cercospora leaf spot           Gardenia         Alternaria leaf spot, Botrytis gray mold, Cercospora leaf spot           Goldenrain tree         Bacterial leaf spot           Hibiscus         Bacterial leaf spot           Holy fem         Pseurononas leaf spot           Inrgatiens         Bacterial leaf spot           Ivy (English, Algerian) <sup>(11)</sup> Xanthomonas leaf spot           Ivata         Xanthomonas leaf spot           Lobioly bay         Anthracnose           Lastana         Bacterial leaf spot           Lobioly bay         Anthracnose           Lobioly bay         Anthracnose           Magnolia (Soucer)         Bacterial leaf spot <td>Chrysanthemum<sup>(1)</sup></td> <td>Botrytis blight, Septoria leaf spot</td> <td></td>	Chrysanthemum <sup>(1)</sup>	Botrytis blight, Septoria leaf spot	
Date paim         Pestalotia leaf spot           Dianthus         Bacterial soft rot, Bacterial spot           Dogwood         Anthracnose           Dusty miller         Bacterial leaf spot (Pseudomonas cichorii)           Echinacea         Bacterial leaf spot (Pseudomonas chicorii)           Eth Torake*         Xanthromonas leaf spot           Europan fan palm         Pestalotia leaf spot, Bottytis blight           Europan fan palm         Pestalotia leaf spot, Bottytis blight, Bottytis blight           Gardenia         Altemaria leaf spot, Bottytis provid, Cercospora leaf spot           Gladiolus         Altemaria leaf spot, Bottytis gray mold, Cercospora leaf spot           Gladiolus         Altemaria leaf spot, Bottytis gray mold           Goldenrain tree         Bacterial leaf spot           Hibicous         Bacterial leaf spot           Holy ferm         Pseucomonas leaf spot           Inpatiens         Bacterial leaf spot           Vy (English, Algerian) <sup>(1)</sup> Xanthomonas leaf spot           Ivig (English, Algerian) <sup>(1)</sup> Xanthomonas leaf spot           Lobioly bay         Anthracnose           Lantana         Bacterial leaf spot           Lobioly bay         Anthracnose           Lobioly bay         Anthracnose           Magnolia (Souchern) <td>Cotoneaster</td> <td>Botrytis blight</td> <td></td>	Cotoneaster	Botrytis blight	
Dianthus         Bacterial soft rot, Bacterial spot           Dogwood         Anthracnose           Dusty miller         Bacterial leaf spot (Pseudomonas chicrii)           Echnacea         Bacterial leaf spot (Pseudomonas chicrii)           Eim Torake*         Xanthomonas leaf spot           Euonymus         Anthracnose, Botrytis blight           European fan palm         Pestalotia leaf spot           Gardenia         Altemaria leaf spot, Botrytis bud rot, Cercospora leaf spot           Gardenia         Altemaria leaf spot, Botrytis bud rot, Cercospora leaf spot           Galdiolus         Altemaria leaf spot, Botrytis bud rot, Cercospora leaf spot           Galdiolus         Altemaria leaf spot, Botrytis bud rot, Cercospora leaf spot           Goldenrain tree         Bacterial leaf spot           Holly fern         Pseuomonas leaf spot           Ingatiens         Bacterial leaf spot           Juniper (Eastern red cedar)         Anthracnose           Lantana         Bacterial leaf spot           Lilac         Cercospora leaf spot           Lilac         Cercospora leaf spot           Loboly bay         Anthracnose           Lantana         Bacterial leaf spot           Lilac         Colletotrichum sp., Entomosporium maculata           Magnolia (Saucer)	Dahlia	Alternaria leaf spot, Botrytis gray mold, Cercospora leaf spot	
DogwoodAnthracnoseDusty millerBacterial leaf spot (Pseudomonas cichorii)EchinaceaBacterial leaf spot (Pseudomonas cichorii)Elm 'Drake'Xanthrononas leaf spotEuonymusAnthracnose, Botrytis blightEuropean fan palmPestalotia leaf spot, Botrytis bud rot, Cercospora leaf spotGardeniaAlternaria leaf spot, Botrytis bud rot, Cercospora leaf spotGladiolusAlternaria leaf spot, Botrytis gray mold, Cercospora leaf spotGladiolusAlternaria leaf spot, Botrytis gray mold, Cercospora leaf spotGladiolusBacterial leaf spotHibiscusBacterial leaf spotHibiscusBacterial leaf spotInpatiensBacterial leaf spotIny Erglish, Algerian)Xanthromonas leaf spotLorglish, Algerian)AnthracnoseLantanaBacterial leaf spotLobloly bayAnthracnoseLobloly bayCercospora leaf spotLobloly bayAnthracnoseLobloly bayAnthracnoseLobloly bayAnthracnoseMagnolia (Soutern)Algal leaf spotMagnolia (Soutern)Algal leaf spot, Anthracnose, Bacterial leaf spotMagnolia (Soutern)Algal leaf spot, Anthracnose, Bacterial leaf spotMargoidiaAnthracnoseMargoidiaAnthracnoseMargoidiaAnthracnoseMagnolia (Soutern)Algal leaf spot, Cephaleuros virescens)OidenderBacterial leaf spot, Cephaleuros virescens)OidenderAnthracnoseMargoidiaAnthracnoseMargoidia </td <td>Date palm</td> <td>Pestalotia leaf spot</td> <td>-</td>	Date palm	Pestalotia leaf spot	-
Dusty miller         Bacterial leaf spot (Pseudomonas cichorii)           Echinacea         Bacterial leaf spot (Pseudomonas chicorii)           Elm Torake"         Xanthomonas leaf spot           Europan fan palm         Pestalotia leaf spot           Gardenia         Alternaria leaf spot, Botrytis blight           Gardenia         Alternaria leaf spot, Botrytis bud rot, Cercospora leaf spot           Gardania         Alternaria leaf spot, Botrytis gray mold, Cercospora leaf spot           Galadious         Alternaria leaf spot, Botrytis gray mold, Cercospora leaf spot           Goldenrain tree         Bacterial leaf spot           Hibiscus         Bacterial leaf spot           Holy fern         Pseucmonas leaf spot           Irvg (English, Algerian) <sup>(11)</sup> Xanthomonas leaf spot           Ivy (English, Algerian) <sup>(11)</sup> Xanthomonas leaf spot           Juniper (Eastem red cedar)         Anthracnose           Lantana         Bacterial leaf spot           Lilac         Cercospora leaf spot           Lobulty bay         Anthracnose           Loquat         Collectorichum sp., Entomosporium maculata           Magnolia (Saucer)         Bacterial leaf spot           Magnolia (Southern)         Algal leaf spot, Anthracnose, Bacterial leaf spot           Maracose         Magnolia (Souther	Dianthus	Bacterial soft rot, Bacterial spot	
EchinaceaBacterial leaf spot (Pseudomonas chicorii)Elm "Drake"Xanthomonas leaf spotEuonymusAnthracnose, Botrytis bightEuropean fan palmPestaloita leaf spotGardeniaAltemaria leaf spot, Botrytis bud rot, Cercospora leaf spotGeraniumAltemaria leaf spot, Botrytis gray mold, Cercospora leaf spotGladiolusAltemaria leaf spot, Botrytis gray moldGotraniaAltemaria leaf spot, Botrytis gray moldGladiolusAltemaria leaf spot, Bacterial leaf bight, Botrytis gray moldGotdernain treeBacterial leaf spotHibiscusBacterial leaf spotHoly fernPseucomonas leaf spotImpatiensBacterial leaf spotIvy (English, Algerian) <sup>(1)</sup> Xanthomonas leaf spotIxoraXanthomonas leaf spotJuniper (Eastern red cedar)AnthracnoseLantanaBacterial leaf spotLilacCercospora leaf spotLoblolly bayAnthracnoseLoguatColletotrichum sp., Entomosporium maculataMagnolia (Saucer)Alternaria leaf spotMagnolia (Southern)Algal leaf spot, AnthracnoseMandevillasAnthracnoseMandevillasAnthracnoseMandevillasAnthracnoseMandevillasAnthracnoseMandevillasAnthracnoseMandevillasAnthracnoseMandevillasAnthracnoseMandevillasAnthracnoseMandevillasAnthracnoseMandevillasAnthracnoseMandevillasAnthracnoseMa	Dogwood	Anthracnose	
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Gardenia       Alternaria leaf spot, Botrytis bud rot, Cercospora leaf spot         Geranium       Alternaria leaf spot, Botrytis gray mold, Cercospora leaf spot         Gladiolus       Alternaria leaf spot, Bacterial leaf blight, Botrytis gray mold         Golderrain tree       Bacterial leaf spot         Hibiscus       Bacterial leaf spot         Holly fern       Pseucomonas leaf spot         Impatiens       Bacterial leaf spot         Ivy (English, Algerian) <sup>(1)</sup> Xanthomonas leaf spot         Juniper (Eastern red cedar)       Anthracnose         Lantana       Bacterial leaf spot         Lobibly bay       Anthracnose         Lobibly bay       Collectorichum sp., Entomosporium maculata         Magnolia (Southern)       Alga leaf spot, Anthracnose, Bacterial leaf spot         Magnolia (Southern)       Alga leaf spot, Anthracnose, Bacterial leaf spot         Magnolia (Southern)       Alga leaf spot, Anthracnose, Bacterial leaf spot         Magnolia (Southern)       Alga leaf spot, Anthracnose, Bacterial leaf spot         Marcnose       Magnolia (Southern)         Magnolia (Sweet bay)       Anthracnose         Marcnose       Marcnose         Marcnose       Marcnose         Marcnose       Marcnose         Marcnose       Anthracnose	Euonymus	Anthracnose, Botrytis blight	
Geranium       Alternaria leaf spot, Botrytis gray mold, Cercospora leaf spot         Gladiolus       Alternaria leaf spot, Bacterial leaf blight, Botrytis gray mold         Goldenrain tree       Bacterial leaf spot         Hibiscus       Bacterial leaf spot         Holly fern       Pseuornonas leaf spot         impatiens       Bacterial leaf spot         Ivy (English, Algerian) <sup>(1)</sup> Xanthomonas leaf spot         Ivrad       Xanthomonas leaf spot         Juniper (Eastern red cedar)       Anthracnose         Lantana       Bacterial leaf spot         Loblolly bay       Anthracnose         Loblolly bay       Cercospora leaf spot         Loblolly bay       Anthracnose         Loblolly bay       Anthracnose         Loguat       Collectorichum sp., Entomosporium maculata         Magnolia (Saucer)       Bacterial leaf spot         Magnolia (Southerm)       Algal eaf spot, Anthracnose, Bacterial leaf spot         Magnolia (Southerm)       Algal eaf spot, Anthracnose         Mardevillas       Anthracnose         Mandevillas       Anthracnose         Margold       Alternaria leaf spot, Botrytis leaf and flower rot, Cercospora leaf spot         Oak, laurel       Algal leaf spot, Cephaleuros virescens)         Oleander       <	European fan palm	Pestalotia leaf spot	
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Oleander         Bacterial leaf spot, Fungal leaf spot           Pachysandra         Volutella leaf blight			
Pachysandra Volutella leaf blight			
	Pansy	Downy mildew	

Pear (Flowering)	Fireblight, Leaf spot
Pentas (Egyptian star)	Bacterial leaf spot (Xanthomonas sp.)
Peony	Botrytis blight
Periwinkle	Phomopsis stem blight
Philodendron	Bacterial leaf spot
Phiox	Alternaria leaf spot
Photinia	Anthracnose, Entomosporium
Pistachio	Anthracnose
Plantain lily	Bacteria leaf spot
Powder puff plant	Bacterial leaf spot
Pyracantha	Fireblight, scab
Queen palm	Exosporium leaf spot, Phytophthora bud rot
Rhododendron	Alternaria flower spot
Rose (1)	Black spot, Powdery mildew
Verbena	Xanthomonas leaf spot
Viburnum	Anthracnose
Washingtonia palm	Pestalotia leaf spot
Weeping willow	Anthracnose
Yucca (Adam's needle)	Cercospora leaf spot, Septoria leaf spot

<sup>(1)</sup> Discoloration of foliage and/or blooms has been noted on some varieties.

#### TURFGRASS

To control algae in ornamental lawns and turf, apply 1 pint of LIQUI-COP in 5 gallons of water per 1,000 square feet. LIQUI-COP may be used alone or in combination with other registered fungicides as a maintenance spray. Observe all precautions and limitations on the label of each product used in tank mixes.

NOTE: Phytotoxicity may occur depending upon varietal differences. Apply the recommended rate to a small area and observe for 7 to 10 days for signs of injury. If phytotoxicity occurs, discontinue use. Do not apply in a spray solution with a pH of less than 6.5.

#### FROST INJURY PROTECTION

**Bacterial Ice Nucleation Inhibitor** – Application of LIQUI-COP to all plants listed on this label at rates indicated, just prior to anticipated frost conditions, will sustain control of ice nucleating bacteria (*Pseudomonas syringae*, *Erwina herbicola* and *Pseudomonas fluorescens*) and may therefore provide protection against light frost.

Not recommended for those geographic areas where weather conditions favor severe frost.

#### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a secure, locked area away from pets and out of the reach of children. Store only in original container and place in a locked storage area.

**CONTAINER/PESTICIDE DISPOSAL:** If empty: Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

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**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, Lawn and Garden Products, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Lawn and Garden Products, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent

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consistent with applicable law, Lawn and Garden Products, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

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

# Sublabel B – READY-TO-SPRAY LABEL FOR NON-COMMERCIAL/RESIDENTIAL USES



# Controls Many Diseases Attacking Citrus and Fruit & Nut Trees

Ready-To-Spray Bottle Just Attach to Garden Hose & Spray

#### FOR RESIDENTIAL USE ONLY

ACTIVE INGREDIENT:	
Copper Ammonium Complex*	31.4%
CAS No. 16828-95-8	
OTHER INGREDIENTS:	68.6%
TOTAL:	

\* Metallic Copper Equivalent, 8.0% Contains 0.196 lbs. Copper per quart.

EPA Reg. No. 54705-7

EPA Est. No. 48498-CA-1

#### NET CONTENTS: 32 FL. OZ. (1 QT)



Manufactured for:

# LAWN AND GARDEN PRODUCTS, INC.

P. O. Box 35000 • Fresno, CA 93745 • (559) 499-2100 www.montereylawngarden.com

KEEP OUT OF REACH OF CHILDREN CAUTION

#### **FIRST AID** IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. · Call a poison control center or doctor for treatment advice. IF ON SKIN Take off contaminated clothing. OR CLOTHING: Rinse skin immediately with plenty of water for 15 - 20 minutes. · Call a poison control center or doctor for treatment advice. IF SWALLOWED: • Call poison control center or doctor immediately for treatment advice. · Have person sip a glass of water if able to swallow. · Do not induce vomiting unless told to do so by the poison control center or doctor. · Do not give anything by mouth to an unconscious person. HOT LINE NUMBER Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment information.

# PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Causes skin and eye irritation. Harmful if swallowed, absorbed through the skin or inhaled. May cause skin sensitization reactions in certain individuals. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist. Wear protective eyewear (goggles, face shield or safety glasses), clothing and chemical resistant gloves when handling this product. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash clothing before reuse.

#### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic invertebrates and may contaminate water through runoff. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

## **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 adults, children, or pets, either directly or through drift. Do not allow adults, children, or pets to enter treated area until sprays have dried.

SHAKE WELL BEFORE USING.

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The control of fungal disease is based on prevention. Copper pesticides are considered preventative, not curative of plant diseases. Plant surfaces must be completely covered with fungicide to successfully prevent infection.

Seek advice on identifying specific disease problems and solutions from your local Agricultural Extension Agent or other knowledgeable persons.

#### **GENERAL INSTRUCTIONS**

**APPLICATION:** Thoroughly spray tree or bush to the point of runoff, including upper and lower surfaces of any foliage. Do not overspray.

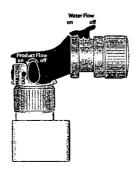
**NOTE**: This product may be reactive on metal and masonry surfaces such as galvanized roofing. AVOID contact with metal surfaces. Do not spray on cars, houses, lawn furniture, etc.

HOW TO USE THIS SPRAYER: Shake Container Well Before Getting Started.

- 1. Before you start, the blue top water flow valve should be in the "OFF" position, and the red product flow valve should be in the up, "OFF" position.
- 2. Shake container well and attach it to your garden hose.
- 3. Turn on the water from the faucet.
- To apply, remove side pin (labeled "PULL OUT") and rotate red product flow valve to "ON"; then while holding sprayer at waist level and pointing in a direction away from face and body, push blue water flow valve forward to activate water.

NOTE: LIQUI-COP RTS is a dark blue liquid. When the sprays turns clear it is time to change to a new bottle of product.

- 5. When you are finished spraying or if you have to stop spraying at any time, press blue water flow valve with thumb to the rear to shut off water and return side red valve to the upright "OFF" position and replace side pin.
- 6. Turn off the water at the faucet.
- 7. Remove the container from the garden hose; then rinse thoroughly and store according to storage instructions.



#### FRUITS AND NUTS

FRUITS AND NUTS	DISEASE CONTROLLED	INSTRUCTIONS
ALMONDS	Brown Rot	Apply at delayed dormant* bud swell stage.
	Shot Hole	Apply at leaf fall to protect buds and shoots from infection during rainy periods. Reapply every 3 to 4 weeks up until late bud swell (the period in Spring before buds begin to open). Do not apply after full bloom.
APPLES	Apple Scab (Black Spot) Bacterial Canker Blossom and Shoot Blast	Apply post-harvest before fall rains.
APRICOTS	Brown Rot Blossom Blight	Apply when buds show red color until brown bud jackets have fallen.
	Shot Hole	Apply in late fall or early winter before winter rains or snow. Repeat in late winter or early spring before buds break. Do not apply after full bloom.
AVOCADOS	Anthracnose	Begin application when the flower buds begin to swell and continue at monthly intervals until August.
BLUEBERRIES	Bacterial Canker	Apply before fall rains and again 4 weeks later.
	Cane Canker	Apply before fall rains and again 4 weeks later. In the spring, during wet weather, apply at 10-14 day intervals beginning at leaf emergence.
CANEBERRIES	Anthracnose Bacterial Blight Leaf and Cane Spot Purple Blotch Yellow Rust	Apply in the fall after harvest.
CHERRIES	Brown Rot Blossom Blight	Apply as a full cover spray at popcorn stage and at full bloom.
CITRUS	Greasy Spot Melanose Pink Pitting Scab	Apply as pre-bloom and post bloom sprays.
CURRANTS, GOOSEBERRIES	Anthracnose Leaf Spot (Cane Blight)	Make 3 applications starting after harvest, before bloom and after petal fall.
LIMES	Greasy Spot	Apply in June and continue at monthly intervals through August.
MANGOS (Not for use in California)	Anthracnose	Apply weekly from the time the flowers are 2 inches in length until all fruits are set and monthly thereafter until August.
OLIVES	Peacock Spot	Make first application before winter rains fall. A second application should be made in early spring if disease is severe.
PEACHES NECTARINES	Bacterial Spot	Apply as a dormant spray.
	Blossom Brown Rot	Apply as a dormant or delayed dormant* spray. Do not apply at or after full bloom.
	Leaf Curl Shot Hole	Apply at leaf fall to protect buds and shoots from infection during rainy periods. Reapply up until late bud swell. Do not apply after full bloom.
PEARS	Blossom Blast	Apply as a dormant spray. Apply only at bud break to control primary infection.
PECANS	Shuck and Kernel Rot Zonate Leaf Spot	For suppression, apply at 2 – 4 week intervals starting at kernel growth and continuing until shucks open. Use shorter interval if frequent rainfall occurs.
PISTACHIOS	Alternaria Late Blight	Apply at 50% and full bloom followed by up to 3 applications at 30-day intervals.
	Botrytis Blight Botryosphaeria Panicle Shoot Blight Septoria Leaf Blight	Make initial application at bud swell and repeat on a 14 – 28 day schedule as dictated by disease conditions. If disease conditions are severe, use the higher rate and shorter interval.
PLUMS PRUNES	Shot Hole	Apply as a dormant spray before heavy rains begin.
	Bacterial Blast Bacterial Canker	Apply at dormant to early pink stage.
WALNUTS	Walnut Blight	Make first application at early pre-bloom. Make second application at late pre-bloom. Make additional applications if disease conditions persist at 7 day intervals.

\* Delayed Dormant - The period just before blossom buds break open.

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