

Cueva[®] Fungicide Concentrate

Flowable Liquid Copper Fungicide

Intended for Commercial Use Only
Can be used up to the day of harvest

ACTIVE INGREDIENT:

Copper Octanoate (Copper Soap) 10.0%
CAS Reg. No. 20543-04-8

OTHER INGREDIENTS 90.0%
TOTAL 100.0%

metallic copper equivalent 1.8%
one gallon contains 0.16 lbs. metallic copper equivalent

Net Contents: 2.5 gallons

EPA REG. NO. 67702-2-70051
EPA EST. NO. 48498-CA-1
BATCH CODE

Manufactured for
Certis USA L.L.C.
9145 Guilford Rd, Suite 175
Columbia, MD 21046

**Cueva[®] is a trademark of
W. Neudorff GmbH KG**



Sold under a license of W. Neudorff GmbH KG
Postfach 1209 An der Mühle 3
D-318680 Emmerthal, Germany

Item code: 152100
Package code: 550004
Art code: 152100-40-C2-71712



FOR ORGANIC PRODUCTION

KEEP OUT OF REACH OF CHILDREN
CAUTION

See Inside Booklet for Additional Precautionary Statements, Directions for Use, and Storage and Disposal Instructions

FIRST AID

IF IN EYES	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
IF SWALLOWED	<ul style="list-style-type: none">• Call a 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 by a poison control center or doctor.• Do not give anything to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information concerning this product, call the toll free Hot Line Number 1-800-255-3924.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE): Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical resistance category selection sheet. Mixers/loaders and other handlers must wear the following: long-sleeved shirts, long pants, chemical resistant gloves made of any waterproof material, such as polyvinyl chloride, nitrile rubber or butyl rubber, and shoes plus socks. 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. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

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 put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

This product is toxic to fish and aquatic organisms and may contaminate water through runoff. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by disposal of equipment washwaters or rinsate. This product may contaminate water through runoff. Poorly draining soils with shallow 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.

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 manner that will contact workers or other persons, either directly or through drift. Only protected workers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Read and follow all applicable directions and precautions on this label before using.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a secure place, away from open fire or flame. Keep container closed and reseal after use. Product may be damaged by freezing. Do not store product below 4°C. If spilled, use absorbent material and dispose of in an approved manner.

Pesticide Disposal: Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Agricultural Use Requirements

Use this product 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), restricted-entry interval, and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

Entry-Restrictions: Do not enter or allow worker entry into treated areas during the restricted-entry interval of 4 hours.

PPE required for early-entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, wear: long sleeved shirt, long pants, shoes, socks and chemical-resistant gloves made of any waterproof material, such as polyvinyl chloride, nitrile rubber, or butyl rubber.

Non-Agricultural Use Requirements

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

Do not enter or allow others to enter until sprays have dried.

GENERAL INFORMATION

- CUEVA® FUNGICIDE CONCENTRATE can be used up to the day of harvest
- No posting or eye-wash station necessary after application
- Fixed copper is one of the oldest fungicides, used to control a wide range of listed fungal and bacterial* plant diseases. CUEVA® FUNGICIDE CONCENTRATE is a patented, fixed copper fungicide, made by combining a soluble copper fertilizer with a fatty acid. The copper and the fatty acid combine to form a copper salt of the fatty acid,

known technically as a true soap. The copper soap fungicide controls listed diseases using low concentrations of copper. The net result is an effective vegetable and fruit fungicide. CUEVA® FUNGICIDE CONCENTRATE decomposes to form soluble copper, and fatty acid, both of which can be used by microbes and plants.

- This unique fatty acid based formulation helps the copper active ingredient to penetrate fungal or bacterial cells, and also helps in spreading the product on plant surfaces. The copper denatures cell proteins and causes cell "leakage".
- CUEVA® FUNGICIDE CONCENTRATE controls listed diseases of a wide range of plants, including many vegetables and fruit. As with most fungicides, CUEVA® FUNGICIDE CONCENTRATE acts to protect plants from infection. Therefore, it is important to have CUEVA® FUNGICIDE CONCENTRATE on the leaf or fruit before the pathogen is able to cause an infection.
 - Listed Fruit trees: Controls peach leaf curl, brown rot, fireblight, scab, blossom blight, leaf and fruit spot
 - Listed Vegetables: Controls powdery mildew, downy mildew, Botrytis, Alternaria leaf blight and Septoria leaf spot.
 - Use as a dormant spray for peach leaf curl.
- A wide range of bacteria* and fungi attack plants, however, they generally only cause a few types of diseases. When using CUEVA® FUNGICIDE CONCENTRATE, it is important to identify the type of disease in order to use the best method of disease control.
- Controls diseases that may go dormant and overwinter.
- For use on listed field crops, nuts and fruit, including citrus and berries.

* Non-public health bacteria

DIRECTIONS FOR USE

Shake well before use. Most conventional liquid pesticide plant sprayers can be used to apply CUEVA® FUNGICIDE CONCENTRATE to plants. A spreader may be used to improve the spreading of CUEVA® FUNGICIDE CONCENTRATE on hard to wet plants.

Tank Mixing CUEVA® FUNGICIDE CONCENTRATE with Other Pesticides

Read and follow all applicable directions and precautions on the label of other products, before mixing with CUEVA® FUNGICIDE CONCENTRATE.

CUEVA® FUNGICIDE CONCENTRATE can be applied up to day of harvest. When tank-mixed with products, do not apply that product closer to harvest than is permitted or stated on the other product's label.

Pour CUEVA® FUNGICIDE CONCENTRATE into spray tank at least half filled with water using adequate agitation. When mixed with other products proven or known to be compatible, wettable powders should be added first, followed in order by flowables (such as CUEVA® FUNGICIDE CONCENTRATE), and then emulsifiable concentrates.

CUEVA® FUNGICIDE CONCENTRATE can be mixed with Bravo® (WP, 720, 500), Captan, Daconil® 2787, Ferbam, maneb (WP or Flowable), Dithane® M-45, Manzate® 200, sulfur (wetable or flowable), organo phosphates, Thiodan®, Pentathlon® DF, Pentathlon® LF, *Bacillus thuringiensis* Berliner, Guthion®, Pydrin®, Diazinon®, malathion for use on the crops listed on this label, in accordance with the most restrictive of label limitations and precautions. Do not exceed label dosage rates. This product cannot be mixed with any product containing a label prohibition against such mixing. Use caution if mixing CUEVA® FUNGICIDE CONCENTRATE with chelated or liquid fertilizers. Use caution when using product with other fungicides and insecticides. Observe all cautions and limitations on all products used in mixtures.

Chemigation

Apply this product only through sprinkler systems, including center pivot, lateral move, end tow, side (wheel) roll, traveler, bug gun, solid set, or hand move. Do not apply this product through any other type of irrigation system.

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

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

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

A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to the pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

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

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

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

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

Directions for use on Vegetables, Field-grown Herbs, Field Crops, Nuts, Fruits including Citrus and Berries

Mix 0.5 to 2.0 gallons of CUEVA® FUNGICIDE CONCENTRATE with 30 to 100 gallons of water and apply to one acre. For application by aircraft, apply 5-40 gallons of diluted spray to one acre. Begin treatment when disease first appears, and unless otherwise directed in the crop table, reapply at 7 to 10 day intervals for as long as needed, following crop-specific application notes. Use the higher rate following heavy rain or when the amount of disease is increasing rapidly. If possible, time applications so that 12 hours of dry weather follow application. Use the higher rate to control diseases that may go dormant and overwinter.

CUEVA® FUNGICIDE CONCENTRATE may cause some copper toxicity on some plant species.

Fruit and Nut Crops

Crop	Disease Controlled	Maximum Annual Rate (Gallons of Product/Acre)	Specific Use Instructions
Almonds	Bacterial spot, Bacterial canker (<i>Pseudomonas syringae</i>), Brown rot, Blossom blight, leaf and fruit spots, Coryneum blight (shot-hole), Anthracnose, Bacterial blast	112 gal/acre	For bacterial canker, apply as a dormant spray as buds begin to swell, repeating at the bud burst stage, and weekly thereafter as needed, up to six sprays. In fall spray again at 10 and 80% of leaf fall. For brown rot blossom blight apply full cover spray at delayed dormant (bud swell), popcorn, full bloom and petal fall stages. During wet weather, additional bloom sprays may be necessary. Do not reapply within 5 days during the growing season or within 7 days during the dormant season.
Blueberries	Gray mold, mucor fruit rot, Rhizopus fruit rot, Bacterial canker, Phomopsis Twig blight	53 gal/acre	Apply at the start of flowering and reapply every 7 to 10 days until harvest.
Cranberries	Fruit rot, Rose bloom, Bacterial stem canker, Leaf blight, Red leaf spot, Stem blight, Tip blight	13.3 gal/acre	Apply at the start of flowering and reapply every 7 to 10 days until harvest.
Caneberries (Blackberries, Raspberries)	Gray mold, mucor fruit rot, Rhizopus fruit rot, Anthracnose, Cane spot, Leaf spot, Pseudomonas blight, Purple blotch, Yellow rust	63.5 gal/acre	Apply at the start of flowering and reapply every 7 to 10 days until harvest.
Citrus (Grapefruit, Lemon, Kumquat, Lime, Orange, Pummelo, Tangerine)	Melanose spot, greasy spot, citrus scab, Alternaria brown spot, citrus canker, <i>Phytophthora</i> brown rot, and <i>Septoria</i> .	80 gal/acre	May cause phytotoxicity if conditions are conducive or when mixed with other products. Reapply every 7-14 days if needed.
Papaya	Anthracnose	16.7 gal/acre	Apply before disease appears and reapply every 10-14 days if needed.
Starfruit (carambola)	Anthracnose	13.3 gal/acre	Apply just before flowering and reapply every 7 to 14 days until just before harvest.
Currants, Gooseberries	Powdery mildew, Anthracnose, Leaf spot	102 gal/acre	Do not reapply within 10 days.
Grapes	Downy mildew, black rot, phomopsis cane, leaf spot, powdery mildew, gray mold, ripe rot*	127 gal/acre	Begin treatment when new growth reaches ½ inch and reapply every 7 to 14 days throughout the growing season. Use Precaution: Do not mix CUEVA® FUNGICIDE CONCENTRATE with lime. Certain Vinifera and French Hybrid varieties may be sensitive to copper sprays resulting in marginal leaf burn. Before spraying these varieties, consult your State Experiment Station or make test sprays.

Fruit and Nut Crops (continued)

Crop	Disease Controlled	Maximum Annual Rate (Gallons of Product/Acre)	Specific Use Instructions
Kiwi	<i>Erwinia herbicola</i> , <i>Pseudomonas fluorescens</i> , <i>Pseudomonas syringae</i>	13.3 gal/acre	Apply when disease appears and reapply every 30 days to a maximum of 3 applications per crop.
Pome Fruits (Apples, Pears, Quince)	Anthraco-nose, Cedar Apple Rust, Fireblight, Scab, Sooty Blotch, Flyspeck, Quince Rust, Blossom blast, European Canker (<i>Nectria</i>), Shoot blast (<i>Pseudomonas</i>), Collar rot, Crown rot	102 gal/acre	May cause russetting of susceptible apple varieties. Do not exceed the 1.0 gallon of product/100 gallons water use rate. As a dormant or delayed dormant application, up to 200 gallons diluted spray/acre may be applied. Do not exceed one application during the fall, late dormant period. Do not exceed one application between silver tip and green tip growth stages. Do not reapply within 5 days during the bloom and growing stages.
Strawberries	Gray mold, mucor fruit rot, Rhizopus fruit rot, angular leaf spot, leaf scorch, mycosphaerella leaf spot, phomopsis leaf blight, powdery mildew, septoria leaf spots, anthracnose fruit rot	52 gal/acre	Apply at the start of flowering and reapply every 7 to 10 days until harvest.
Stone Fruits (Apricots, Cherries, Peaches, Nectarines, Plums)	Bacterial spot, Bacterial canker (<i>Pseudomonas syringae</i>), <i>Monolinia</i> brown rot, Blossom blight, leaf and fruit spots, Coryneum blight (shot-hole), Anthracnose, Peach leaf curl, Bacterial blast, Black knot* (plums), Cherry leaf spot* (sour cherries only)	114 gal/acre	For bacterial canker, apply as a dormant spray as buds begin to swell, repeating at the bud burst stage, and weekly thereafter as needed, up to six sprays. In fall spray again at 10 and 80% of leaf fall. For brown rot blossom blight apply full cover spray at delayed dormant (bud swell), popcorn, full bloom and petal fall stages. During wet weather, additional bloom sprays may be necessary. For peach leaf curl make first application before fall rains and as a dormant spray in late fall during a period of dry weather. Do not reapply within 5 days during the growing season or within 7 days during the dormant season.
Mangos	Anthraco-nose	20.3 gal/acre	Apply when fruit sets and reapply every 7 days until harvest.
Walnuts	Blight	203 gal/acre	Make first application when leaflets start to unfold (prior to, but no later than 1% pistillate bloom) and reapply every 7 days as needed, especially until seasonal rainfall stops. When rain threatens, additional applications are important, applied before or immediately after the rain.
Banana/Plantain	Sigatoka (Black and yellow), Black Pitting	6.7 gal/acre	Apply to the fruit stem and the basal portion of the leaf crown. Apply during the first and second weeks after fruit emergence.
Avocado	Anthraco-nose, blotch, Scab	12 gal/acre	Apply when blossom buds open and reapply every 14-30 days for a maximum of 6 applications.
Filbert (WA and OR only)	Bacterial blight, Eastern Filbert Blight	38 gal/acre	For bacterial blight apply as a post-harvest spray. For Eastern Filbert Blight, apply at bud swell and reapply every 14 days until harvest.
Pecan	Kernel Rot, Shuck Rot (<i>Phytophthora catorum</i>), Zonate Leaf Spot (<i>Cristulariella pyramidalis</i>), Ball Moss*, Spanish Moss*	13.3 gal/acre	Apply when kernel growth starts and reapply every 14-30 days until shucks open. For Ball Moss and Spanish moss, wet moss thoroughly when moss is actively growing.
Pistachio	Botryosphaeria Panicle and Shoot Bight, Botrytis Blight, Late Blight (<i>Alternaria alternata</i>), Septoria Leaf Blight	13.3 gal/acre	Apply at bud swell and reapply every 14-28 days until harvest.
Guava	Anthraco-nose, Red Algae	7.8 gal/acre	Apply just before flowering and reapply every 7-14 days until harvest.
Lychee	Anthraco-nose	7.8 gal/acre	Apply just before flowering and reapply every 7-14 days until harvest.
Macadamia	Anthraco-nose, Phytophthora Blight (<i>P. capsici</i>), Raceme Blight (<i>Botrytis cinerea</i>)	15 gal/acre	Apply during raceme development and bloom periods and reapply every 7 days as needed. For Anthracnose, apply at first sign of flowering.
Passion Fruit	Anthraco-nose	15 gal/acre	Apply just before flowering and reapply every 7 days until harvest.
Sugar apple (Annona)	Anthraco-nose	20 gal/acre	Apply just before flowering and reapply every 7 days until harvest.
Mamey Sapote	Algal Leaf Spot, Anthracnose	13.3 gal/acre	Apply when disease first appears. Reapply every 14-30 days if needed.

Other Crops

Crop	Disease Controlled	Maximum Annual Rate (Gallons of Product/Acre)	Specific Use Instructions
Coffee	Coffee Berry Disease, Bacterial Blight, Leaf Rust, Iron Spot, Pink Disease	13.3 gal/acre	Apply just before flowering, after flowering, and before long rain periods. Reapply every 14-21 days if needed
Cacao	Black Pod	14.3 gal/acre	Apply at the start of rainy season and reapply every 14-21 days if needed.
Olives	Olive knot, Peacock spot	38 gal/acre	Apply before winter rain begins. Reapply in early spring if needed and continue every 30 days if needed.

Herbs and Field-grown Vegetables

Crop	Disease(s) Controlled	Maximum Annual Rate (Gallons of Product/Acre)	Application Notes
Artichoke	Powdery mildew, bacterial spot, bacterial soft rot and bottom rot	16.8 gal/acre	For powdery mildew, plants that are very susceptible should be sprayed every 7 days during the first 2 weeks after emergence, and weekly thereafter.
Bean, Pea	Anthraxnose leaf and fruit spot, Ascochyta leaf and pod spot, Bacterial blights (halo, common and brown spot), Downy mildew, Gray mold (Botrytis), Powdery mildew, White mold (Sclerotinia)	For peas: 25 gal/acre For beans: 30 gal/acre	For powdery mildew, plants that are very susceptible reapply every 7 days. For white mold, to prevent floral infection, apply at 25% bloom.
Beet, Sugar beet, Chard, Spinach	Cercospora leaf spot, Downy mildew, Powdery mildew, White rust, Anthracnose Blue Mold	For beets: 49.9 gal/acre For Spinach and chard: 25 gal/acre	Do not reapply within 10 days on beets or within 7 days on spinach or chard.
Carrot	Alternaria leaf blight, Bacterial leaf blight, Cercospora leaf blight	31.8 gal/acre	Do not reapply within 7 days.
Celery and celeriac	Bacterial leaf spot, Cercospora (early) blight, Septoria (late) blight	33.7 gal/acre	Do not reapply within 7 days.
Corn (Field Corn, Popcorn, Seed Corn, Sweet Corn)	Alternaria blight, Anthracnose, Ascochyta leaf and pod spot, Bacterial blights (halo, common, and brown spot), Bacterial leaf spot, Downy mildew, Gray mold, Southern leaf blight, Cercospora leaf blight, Common or Southern Rust, Gray Leaf Spot, Stewart's Wilt*, Bacterial Stalk Rot*	26.7 gal/acre	Do not reapply within 7 days.
Crucifer Crops (Broccoli, Brussel sprouts, Cauliflower, Cabbage, Chinese Cabbage, Collard Greens, Kale, Kohlrabi, Mustard Greens, Turnip Greens)	Alternaria blight, Bacterial leaf spot, Black rot (<i>Xanthomonas</i>), Downy mildew, Powdery mildew, White mold (Sclerotinia), Black Leaf Spot (<i>Alternaria</i>)	16.8 gal/acre	Begin application after transplants are set in the field, or shortly after emergence of field seeded crops or when conditions favor disease development. For white mold, to reduce floral infection apply at 25% bloom. For Rutabaga, do not reapply within 10 days. For other crops, do not reapply within 7 days.
Cucurbits (Cucumbers, Cantaloupe, Honeydew, Muskmelon, Squash, Pumpkin, Zucchini, Watermelon)	Alternaria blight, scab, Angular leaf spot, Anthracnose, Downy mildew, Gray mold, Ulocladium leaf spot, Bacterial spot, Powdery mildew, Gummy Stem Blight, Watermelon Bacterial Fruit Blotch (suppression)	33 gal/acre	On plants that are very susceptible to powdery mildew, spray the plants every 5 days during the first 2 weeks after emergence, and weekly thereafter.
Ginseng	Alternaria blight, Botrytis blight, Phytophthora, Powdery mildew	33 gal/acre	Do not reapply within 7 days.
Basil, Chives, Coriander, Mint, Lavender, Rosemary	Anthraxnose, Alternaria blight, Bacterial Blight, Botrytis, Downy mildew, Leaf scorch, Leaf spot, Rhizoctonia Leaf blight	16.8 gal/acre	Begin applications when environmental conditions favor disease development. Reapply every 10 to 14 days as needed

(continued on next page)

Herbs and Field-grown Vegetables (continued)

Crop	Disease(s) Controlled	Maximum Annual Rate (Gallons of Product/Acre)	Application Notes
Dill	Anthraco­nose, Alternaria blight, Bacterial Blight, Botrytis, Downy mildew, Leaf scorch, Leaf spot, Rhizoctonia Leaf blight, Phoma Leaf Spot	25 gal/acre	Begin applications when environmental conditions favor disease development. Reapply every 10 to 14 days as needed
Parsley	Anthraco­nose, Alternaria blight, Bacterial Blight, Botrytis, Downy mildew, Leaf scorch, Leaf spot, Rhizoctonia Leaf blight	12.7 gal/acre	Begin applications when environmental conditions favor disease development. Reapply every 10 to 14 days as needed.
Soybean*	Bacterial blight, downy mildew	30 gal/acre	For protective sprays, make first application when plants are 6- inches high; reapply every 7 to 14 days if needed. Use the higher rates for more severe disease.
Cereal Grains (Wheat, oats, barley)	Helminthosporium spot blotch, Sep­to­ria leaf blotch*, Stagonopsora leaf and glume blotch*, Stem rust*, Fusarium head blight suppression*, Powdery mildew	6.7 gal/acre	Make applications for early season disease control through heading. Reapply every 10 days. Use higher rates when conditions favor disease. Addition of adjuvants is recommended.
Alfalfa	Cercospora leaf spot, Lewptosphaerulina Leaf Spot*, rust, downy mildew, anthracnose	7 gal/acre	Apply 10 to 14 days before each harvest or earlier if disease threatens. Reapply every 30 days as needed. NOTE: Spray injury may occur with sensitive varieties such as Lahontan.
Hop	Anthraco­nose leaf and fruit spot, Cercospora leaf spot, Downy mildew, Powdery mildew	16.8 gal/acre	Do not reapply within 10 days.
Lettuce, Chicory, Endive	Bacterial soft rot and bottom rot, Downy mildew, Powdery mildew, Septoria leaf spot	50.8 gal/acre	For powdery mildew, plants that are susceptible, reapply every 5 days for the first 2 weeks after emergence, and every 7 days thereafter. Use Precaution: Use lower rate on copper sensitive varieties of lettuce.
Onion, Garlic, Leek, Shallot	Botrytis leaf blight, Downy mildew, Neck rot, Bacterial soft rot, Bacterial Blight, Purple Blotch	38 gal/acre	Do not reapply within 7 days.
Peanuts	Leaf spots (early and late), web blotch, Sclerotinia blight	30 gal/acre	For leaf spots and web blotch, begin spray when disease first appears, or for best control begin early, usually 25 to 40 days after emergence and reapply every 10 to 14 days until harvest. For Sclerotinia blight, make first application at first bloom and reapply every 7 to 14 days until harvest. Use the higher rates when conditions favor disease.
Tomato, Eggplant, Pepper	Anthraco­nose, Bacterial speck, Bacterial spot, Cercospora leaf spot, Early blight, Gray mold, Late blight, Leaf mold, Septoria leaf spot, Alternaria blight, Phomopsis	For tomatoes: 51 gal/acre For eggplant: 50 gal/acre For peppers: 75 gal/acre	Use 2.0 gallons in 30 to 100 gallons [Alternately: 25.6 fluid ounces in 1.1 to 2.3 gallons] of water when spraying to control late blight. On tomatoes and peppers, do not reapply within 3 days. On eggplant, do not reapply within 7 days.
Okra*	Anthraco­nose, Bacterial Leaf Spot, Leaf Spots, Pod Spot, Powdery Mildew	6.7 gal/acre	Apply when disease first appears and reapply every 5-7 days if needed
Potato	Early blight Late blight	159 gal/acre	Apply when plants are 2 to 6 inches high. Use 2.0 gallons in 30 to 100 gallons [Alternately: 25.6 fluid ounces in 1.1 to 2.3 gallons] of water when spraying to control late blight. Do not reapply within 5 days.
Tobacco	Blue mold (Downy mildew)	50.8 gal/acre	Use on tobacco in transplant beds (or on field grown plants). Do not reapply within 10 days.
Watercress	Cercospora Leaf Spot	9.7 gal/acre	Apply when plants are first established in the field and reapply every 7 to 14 days if needed.

* Not registered for use in California

- **Powdery mildews** tend to occur on the upper leaf surfaces, as though a white powder was sprinkled onto the plant. Powdery mildews can form a dense, white, cottony mass, making the whole leaf appear white. They are also commonly found on stems. Powdery mildews rarely kill plants. Most fungal diseases require water to infect plants. Powdery mildews are unique in that they do not require water for infection. Shade and dense plantings also promote powdery mildew. Powdery mildews commonly occur on the following plants: bean, beet, broccoli, Brussels sprouts, cauliflower, cabbage, cantaloupe, chard, chicory, cucumber, currant, endive, gooseberry, grape, hop, kale, kohlrabi, lettuce, pea, pumpkin, rutabaga, spinach, squash, strawberry, turnip, zucchini.
- **Downy mildews** tend to occur on the lower leaf surfaces. Downy mildews are much finer than powdery mildews, and appear as fine white cotton, similar to duck down. Downy mildews can rapidly kill plant leaves during wet, cool weather, but are inhibited by hot dry weather. Downy mildews commonly occur on the following plants: bean, beet, broccoli, Brussels sprouts, cauliflower, cabbage, cantaloupe, chard, chicory, chive, cucumber, endive, garlic, grape, hop, kale, kohlrabi, leek, lettuce, onion, pea, pumpkin, rutabaga, shallot, spinach, squash, tobacco, turnip, zucchini.
- **Leaf and fruit spots** are small brown or black spots on the leaf or fruit. They commonly occur on apple and pear (scab). These spots can be caused by a range of fungal and bacterial* plant diseases. Leaf and fruit spots are commonly caused by fungi belonging to the following genera: *Alternaria*, *Cercospora*, *Colletotrichum*, *Cylindrosporium*, *Gloeosporium*, *Glomerella*, *Gnomonia*, *Marssonina*, *Mycosphaerella (Didymella)*, *Phomopsis*, *Phyllosticta*, *Septoria*, and *Sphaeloma*. Spots on leaves and fruit can expand and grow together. Leaf spot pathogens require water to infect plants. During wet weather, spots can develop into a blight, very rapidly, killing leaves, flowers and stems.
- **Rusts** are small orange blisters that appear on plant leaves, and that are full of orange powder. The orange powder is rust spores. Towards the end of the season, black spores are often produced. Rust is commonly found on grasses.
- **Fruit rots** commonly occur on strawberries, raspberries, and other fruit. They appear as soft, rotten areas on the fruit. Often the causal fungus can be seen growing and producing spores on the surface of the rotting area. Rots are often caused by fungi belonging to the following genera: *Aspergillus*, *Botrytis*, *Monilinia*, *Mucor*, *Penicillium*, *Rhizopus* and *Sclerotinia*.

* Non-public health bacteria

NOTICE TO BUYER

Certis USA, L.L.C. warrants that this product conforms to the chemical description on this label and is reasonably fit for the purposes stated on this label only when used in accordance with directions under normal use conditions. This warranty does not extend to use of this product contrary to label directions, or under abnormal use conditions, or under conditions not reasonably foreseeable to seller. To the extent consistent with applicable law, buyer assumes all risk of any such use. Certis USA, L.L.C. makes no other warranties, either expressed or implied.

20180226
ESL06072017