Camelot (1

Fungicide/Bactericide[†]

Flowable Liquid Copper Fungicide





A liquid copper formulation for broad spectrum control of listed fungal and bacterial† diseases on greenhouse and shadehouse vegetables and herbs, ornamentals and turf.

> INTENDED FOR COMMERCIAL USE ONLY FOR ORGANIC PRODUCTION

Active Ingredient

Copper Octanoate†† (Copper soap) CAS Reg. No. 20543-04-8 Other Ingredients....

††Metallic Copper equivalent 1.8% One gallon contains 0.16 lbs. metallic copper equivalent

Listed by the Organic Materials Review Institute (OMRI) for use in organic production

Keep Out of Reach of Children **CAUTION**

Refer to inside of label booklet for additional precautionary statements and directions for use, including storage and disposal.

Notice: Read the entire label before using. Use only according to label directions. Before buying or using this product, read Warranty Disclaimer, and Misuse statements inside label booklet. If terms are unacceptable, return at once unopened.

Sold under a license of Neudorff.

Non-public health bacteria

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U.S. Patent Number: 5,246,716

Manufactured for: SePRO Corporation 11550 N. Meridian St., Ste. 600, Carmel, IN 46032 U.S.A

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Keep Out of Reach of Children

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.

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
for 15 - 20 minutes. Remove contact lenses, if present after the first 5 minutes, then continue rinsing eye.
advice.
If on skin or clothing • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 - 20 minutes. • Call a poison control center or doctor for treatment advice.
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. In case of emergency endangering health or the environment involving this product, call INFOTRAC 1-800-535-5053.

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 and 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

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.

DIRECTIONS FOR USE

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

Tank Mixing Camelot O Fungicide/Bactericide with Other PesticidesRead and follow all applicable directions and precautions on the label of other products, before mixing with this product.

This product 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 this product 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 this product), and then emulsifiable concentrates.

This product can be mixed with Bravo® (WP, 720, 500), Captan, Daconil® 2787, Ferbam, sulfur (wettable 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. Do not mix this product 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 GREENHOUSE / SHADEHOUSE VEGETABLES AND HERBS

Mix 0.5 to 2.0 gallons of Camelot O Fungicide/Bactercide with 30 to 100 gallons of water and apply to one acre. For best control, begin treatment 2 weeks before disease normally appears or when weather forecasts predict a long period of wet weather. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed, following crop-specific application notes. Use the 2.0 gallon rate of this product, applied at the minimum retreatment interval for the crop, 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.

This product may cause some copper toxicity on some plant species.

GREENHOUSE and SHADEHOUSE VEGETABLES and HERBS				
Crop	Disease(s) Controlled	Application Notes		
Bean, Pea	Anthracnose 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 powdery mildew, plants that are very susceptible should be sprayed weekly. For white mold, to prevent floral infection, apply this product at 25% bloom. For peas, do not apply more than 25 gallons of product per acre per year. For beans, do not apply more than 30 gallons of product per acre per year. Do not reapply within 7 days.		
Beet, Chard, Spinach	Cercospora leaf spot, Downy mildew, Powdery mildew, White rust	For beets, do not apply more than 49.9 gallons of product per acre per year per year. For spinach or chard, do not apply more than 25 gallons of product per acre per year. 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	Do not apply more than 31.8 gallons of product per acre per year. Do not reapply within 7 days.		
Celery and celeriac	Bacterial leaf spot, Cercospora (early) blight, Septoria (late) blight	Do not apply more than 33.7 gallons of product per acre per year. Do not reapply within 7 days.		

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(continued)

GREENHOUSE and SHADEHOUSE VEGETABLES and HERBS (continued)			
Crop	Disease(s) Controlled	Application Notes	
Crucifer Crops (Bok Choy, Broccoli, Brussels sprouts, Canola, Cauliflower, Cabbage, Kale, Kohlrabi, Mustard, Pak-choi, Rape, Rutabaga, Turnip)	Alternaria blight, Bacterial leaf spot, Downy mildew, Powdery mildew, White mold (Sclerotinia)	For white mold, to reduce floral infection apply this product at 25% bloom. Do not apply more than 16.8 gallons of product per acre per year. Do not reapply within 7 days.	
Cucurbits (Cucumbers, Cantaloupe, Squash, Pumpkin, Zucchini)	Alternaria blight, scab, Angular leaf spot, Anthracnose, Downy mildew, Gray mold, Ulocladium leaf spot, Bacterial spot, Powdery mildew	On plants that are very susceptible to powdery mildew, such as greenhouse-grown cucumber, spray the plants every 5 days during the first 2 weeks after emergence and weekly thereafter. Do not apply more than 33 gallons of product per acre per year. Do not reapply within 5 days.	
Ginseng	Alternaria blight, Botrytis blight, Phytophthora, Powdery mildew	Do not apply more than 33 gallons of product per acre per year. Do not reapply within 7 days.	
Herbs (basil, chives, coriander, dill, lavender, mint, parsley, rosemary)	Anthracnose, Alternaria blight, Bacterial Blight, Botrytis, Downy mildew, Leaf scorch, Leaf spot, Rhizoctonia Leaf blight	Begin applications when environmental conditions favor disease development. Repeat applications every 10 to 14 days as needed to prevent disease infection. Do not apply more than 16.8 gallons of product per acre for basil, chives, coriander, mint, lavender and rosemary per year.	
		For dill, do not apply more than 25 gallons of product per acre per year. For parsley, do not apply more than 12.7 gallons of product per acre per year.	
Lettuce, Chicory, Endive	Bacterial soft rot and bottom rot; Downy mildew, Powdery mildew, Septoria leaf spot	For powdery mildew, plants that are very susceptible should be sprayed twice a week during the first 2 weeks after emergence and weekly thereafter. Use Precaution: Use lower rate on copper sensitive varieties of lettuce. Do not apply more than 50.8 gallons of product per acre per year. Do not reapply within 5 days.	
Onion, Garlic, Leek, Shallot	Botrytis leaf blight, Downy mildew, Neck rot; Bacterial soft rot	Do not apply more than 38 gallons of product per acre per year. Do not reapply within 7 days.	
Tomato, Potato, Eggplant, Pepper	Anthracnose, Bacterial speck, Bacterial spot, Cercospora leaf spot, Early blight, Gray mold, Late blight, Leaf mold, Septoria leaf spot	Use 2.0 gallons of this product in 50 to 100 gallons of water when spraying to control late blight. On tomatoes, do not apply more than 51 gallons of product per acre per year. On potatoes, do not apply more than 159 gallons of product per acre per year. On eggplant, do not apply more than 50 gallons of product per acre per year. On peppers, do not apply more than 75 gallons of product per acre per year. On tomatoes and peppers, do not reapply within 3 days. On potatoes, do not reapply within 5 days. On eggplant, do not reapply within 7 days.	
Tobacco	Blue mold (Downy mildew)	This product can be used on tobacco in transplant beds. Do not apply more than 50.8 gallons of product per acre per acre per year. Do not reapply within 10 days.	

<u>DIRECTIONS FOR USE ON ORNAMENTALS</u>
Camelot O Fungicide/Bactericide can be used for controlling diseases on ornamentals grown (under field conditions) in nurseries, greenhouses, interior landscapes and other sites. For control of these diseases on plants grown on a large scale, mix 0.5 to 2.0 gallons in 30-100 gallons of water, and apply to 1 acre. For plants grown on a small scale, mix 0.5 to 2.0 fluid ounces in 1 gallon of water, and spray all plant surfaces thoroughly. When necessary, repeat sprays every 7 to 10 days. This product may cause some copper toxicity on some plant species. Before

spraying a specific plant species, consult your State Experiment Station or make a test spray. Do not apply more than 127 gallons of product per acre per year Do not reapply within 7 days. Use the higher rate to control diseases that may go dormant and overwinter.

Ornamental Plants

The ornamental species listed below may be treated with this product. The diseases controlled have been designated with the following codes.

Code	Common name	Causal Pathogen
ANTH	Anthracnose	Colletotrichum; Glomerella
BOT	Botrytis blight	Botrytis cinerea
BLS	Bacterial leaf spot and blight	Erwinia; Pseudomonas; Xanthomonas
DM	Downy mildew	Plasmopara
LEAFSPOT	Leaf spot (fungal)	Acremonium; Alternaria; Cephalosporium, Cercospora; Colletotrichum; Corynespora; Curvularia; Dactylaria; Drechslera; Exserohilium; Glomerella; Myrothecium; Phyllosticta; Phytophthora
PM	Powdery mildew	Oidium
RHIZC	Rhizoctonia blight	Rhizoctonia
SOFTROT	Soft rot	Erwinia

Ornamental Plant	Common Name	Diseases Controlled	
Aechmea fasciata	Urn plant, bromeliad	ANTH; BLS	
Aeschynanthus pulcher	Lipstick vine	BOT; LEAFSPOT	
Aglaonema species	Chinese evergreen	ANTH; BLS; LEAFSPOT; RHIZC; BLS; SOFTROT	
Anthurium species	Tailflower	ANTH; BLS; LEAFSPOT; RHIZC; SOFTROT	
Aphelandra squarrosa	Zebra plant	BOT; LEAFSPOT; RHIZC	
Araucaria heterophylla	Norfolk Island pine	Colletotrichum needle blight	
Asplenium nidus	Bird's nest fern	BLS	
Brassaia actinophylla	Schefflera	ANTH; BLS; LEAFSPOT; RHIZC	
Caladium species	Caladium	BLS; RHIZC	
Calathea species	Rattlesnake plant	BLS; LEAFSPOT	
Caryota mitis	Fishtail palm	BLS; LEAFSPOT	
Chamaedorea species	various palms	LEAFSPOT	
Chrysalidocarpus lutescens	Areca palm	LEAFSPOT	
Cissus species	Grape ivy	ANTH; BOT; DM; PM; RHIZC	
Codiaeum variegatum	Croton	ANTH; BLS	
Cordyline terminalis	Ti plant	ANTH; LEAFSPOT	
Chryptanthus species	Bromeliad, earthstar	ANTH	
Dieffenbachia species	Dieffenbachia	BLS; LEAFSPOT; RHIZC	
Dracaena species	Dracaena, Corn plant	BLS; BOT; LEAFSPOT	
Epipremnum aureum	Pothos, Devil's ivy	BLS; RHIZC	
Euphorbia milii	Euphorbia	RHIZC	
Fatsia japonica	Japanese fatsia	BLS; LEAFSPOT; RHIZC	
Ficus benjamina	Weeping fig	LEAFSPOT	
Ficus elastica	India-rubber tree	LEAFSPOT; BOT	
Fittonia verschaffeltii	Nerve plant	RHIZC	
Hedra helix	English ivy	ANTH; BLS; BOT; LEAFSPOT; RHIZC	
Hoya carnosa	Wax plant	BOT; LEAFSPOT; RHIZC	
Maranta leuconeura	Prayer plant	LEAFSPOT	
Monstera deliciosa	Swiss cheese plant	BLS; ANTH; RHIZC; SOFTROT	
Nephrolepis exaltata	Boston fern	BLS; BOT; RHIZC	
Peperomia species	Peperomia	LEAFSPOT; RHIZC	
Philodendron species	Philodendron	ANTH; BOT; LEAFSPOT	
Pilea species	Aluminum plant	BLS; ANTH; LEAFSPOT; RHIZC	
Platycerium bifurcatum	Staghorn fern	BLS; RHIZC	
Polyscias species	Aralia	ANTH; BLS; LEAFSPOT	
Rhapis species	Ladyfinger palm	LEAFSPOT	
Rhoeo spathacea	Oyster plant	LEAFSPOT	
Saintpaulia ionantha	African violet	BLS; BOT; LEAFSPOT; PM	
Sansevieria triafasciata	Snake plant	BLS; LEAFSPOT	
Schefflera arboricola	Dwarf Schefflera	BLS; LEAFSPOT	
Schlumbergera species	Cactus	LEAFSPOT	
Sedum species	Sedum	LEAFSPOT	
Spathiphyllum species	Spathe flower	LEAFSPOT; RHIZC	
Syngonium podophyllium	Nephthytis	BLS; LEAFSPOT; RHIZC	
Yucca species	Yucca	LEAFSPOT	

Crop	Diseases Controlled	Specific Use Instructions
Pine	Needle Blight	Apply when new needles are just emerging. Make a second application 3 weeks later.
SHRUBS (Such as; Crape		Begin treatment when new spring growth emerges and repeat every 7 to 10 days for as long as needed to control disease. This product may cause copper toxicity on some rose varieties. Copper toxicity appears as purple spots.
Sycamore	Anthracnose	Make first application just before buds begin to swell, and repeat twice, at 7-day intervals.

DIRECTIONS FOR USE ON TURF

Camelot O Fungicide/Bactericide is suitable for controlling diseases of turf in golf courses, turf farms, home lawns and other sites. For large areas, mix 0.5 to 2.0 gallons in 30-100 gallons of water and apply to 1 acre. For best control, begin treatment 2 weeks before disease normally appears. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. Do not apply more than 133 gallons of product per acre per year. Do not reapply within 10 days. Use the higher rate to control diseases that may go dormant and overwinter.

Ascochyta leaf blight, Cercospora leaf spots, Dollar spot

To reduce Ascochyta leaf blight mow less frequently, only as necessary to maintain recommended height. Water before noon to allow grass to dry. Water thoroughly only as required to avoid moisture stress. Apply this product when disease first appears, and repeat at 7 to 10 day intervals

for as long as needed. In frequently diseased areas, prune adjacent trees and shrubs to reduce turf shading and to improve air movement.

Rust

To reduce rust, mow frequently to reduce rust spore production. Water and fertilize lawn as required to avoid moisture and nutrient stress. Water before noon to allow grass to dry. Apply this product when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. In frequently diseased areas, prune adjacent trees and shrubs to reduce turf shading and to improve air movement.

PESTICIDE 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 materials 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 1/4 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.

Warranty Disclaimer: SePRO Corporation warrants that this product conforms to the chemical description on the product label. Testing and research have also determined that this product is reasonably fit for the uses described on the product label. To the extent consistent with applicable law, SePRO Corporation makes no other express or implied warranty of fitness or merchantability nor any other express or implied warranty and any such warranties are expressly disclaimed.

Misuse: Federal law prohibits the use of this product in a manner inconsistent with its label directions. To the extent consistent with applicable law, the buyer assumes responsibility for any adverse consequences if this product is not used according to its label directions. In no case shall SePRO Corporation be liable for any losses or damages resulting from the use, handling or application of this product in a manner inconsistent with its label.

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