



BasicopTM

FUNGICIDE/BACTERICIDE

BASIC COPPER SULFATE WETTABLE POWDER

ACTIVE INGREDIENT

ELEMENTAL COPPER* 53%

INERT INGREDIENTS 47%

TOTAL 100%

* FROM BASIC COPPER SULFATE

KEEP OUT OF REACH OF CHILDREN WARNING – AVISO

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

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

IF IN EYES: Flush with copious volumes of water. Get medical attention.

For medical emergencies involving this product, call toll free 1-800-237-1854.

See Label for Additional Precautions and Directions for Use

GRIFFIN L.L.C.

VALDOSTA, GEORGIA 31601

Specimen Label

EPA REG. NO. 1812-300

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)
WARNING – AVISO

Causes substantial but temporary eye injury. Harmful if absorbed through the skin or inhaled. May cause skin sensitization reactions in certain individuals. Avoid contact with skin, eyes or clothing. Avoid breathing dust.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

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

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

STORAGE AND DISPOSAL

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

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

GENERAL INSTRUCTIONS

Do not apply this product through any type of irrigation system.

Fill the spray tank approximately one third full. With spray tank agitator running, add the required amount of Basicop. Add additional water to fill tank. Where sticker-spreaders or other spray ingredients are desired, add these when the tank is approximately three fourths full. Keep the agitator running until spraying has been completed. Observe all precautions and limitations on label of all products used in mixtures. Since the number of possible combinations of pesticide mixtures is very large, mixtures should be tested before use and applied as soon as possible.

The following specific instructions are based on general applications. The recommendations of local Agricultural Experiment Stations should be closely followed as to timing, frequency and number of sprays.

Basicop is intended for use in a range of spray volumes; recommendations on this label reflect common practice. If it is desirable to use spray volumes other than dilute in situations not specifically addressed on this label, do so only after developing direct knowledge, prior utilization or test, of effect on target crop.

Minimum Recommended Spray Volume (Gallons) Per Acre When Applying Basicop.

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	AERIAL	DILUTE	CONCENTRATE
Row Crops	5	20	-
Vines	5	100	50
Tree Crops	10	400	50
Citrus	10	400	100
			(Florida)*

*Pesticide application equipment such as Curtec® or other similar sprayers which are capable of obtaining thorough coverage at low volumes may be used at as low as 20 gpa of spray volume.

Complete spray coverage is essential to assure full performance from Basicop. When treating on a concentrate basis or by aerial application, unless you have had specific previous experience, it is advisable to test for compatibility and crop tolerance prior to full scale commercial utilization.

While volume is important in obtaining full spray coverage, often factors such as foliage density, environmental conditions and sprayer calibration have a greater impact. Always be sure sprayers are calibrated to manufacturers specifications and environmental conditions are within those recommended by state and local regulatory authorities.

Per acre use rates of Basicop for citrus, tree crops and vines are calculated on a dilute spray basis; actual pounds of Basicop per acre should be determined by multiplying the rate per 100 gallons times the minimum recommended dilute spray volume example: citrus brown rot – 1.0 pound per 100 gallons x 4 to 8 (dilute spray volume 400 to 800 gallons) = 4.0 to 8.0 pounds of Basicop per acre. The per acre use rate of Basicop is applicable for both dilute and concentrate spraying. Consult the Basicop label for specific rates by crop.

Use sufficient water for thorough coverage.

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.

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

CITRUS (Except California)

BASICOP may be mixed with dry foliar nutritionals (micronutrients) to create "Shot Bag" mixes to meet various nutritional requirements of citrus and provide disease protection as described on this label. BASICOP per acre rates in these mixes must not exceed the maximum recommended labeled rates for disease control.

SPECIFIC INSTRUCTIONS

CROP	DISEASE	RATE/100		USE INSTRUCTIONS
		GALS. WATER	RATE/ACRE	
Almond	Brown Rot, Blossom Blight, Shot Hole	4-5 lbs.	–	May be applied as a dormant or bud spray. Bud sprays should be applied at pink bud through popcorn stage. Do not apply after 50% bloom or when trees are in leaf. Use high rate when disease pressure is heavy or expected to be so.
Apple	Fire Blight	0.5 lbs.	–	Begin at 10% bloom and repeat at 5 day intervals until late bloom is over. Do not apply to apples during bloom in California.
	Scab	1.0 lbs.	–	Plus 2 to 2.5 pounds hydrated lime per 100 gallons of water. Apply at delayed dormant stage.
Apricot	Brown Rot, Blossom Blight, Shot Hole	4-5 lbs.	–	May be applied as a dormant or bud spray. Bud sprays should be applied from bud swell to popcorn stage. Do not spray when trees are in leaf. Use high rate where disease pressure is heavy or expected to be so.
Avocado	Anthraxnose, Blotch, Scab	3.0 lbs.	–	Begin when blossom buds open and repeat at 4 week intervals for a total of five applications.
Bean	Anthraxnose, Downy Mildew, Powdery Mildew, Leaf Spot	–	2 lbs.	Begin when plants are about 5 inches high and repeat every 7 to 10 days.
	Bacterial Blight	–	4 lbs.	Begin when disease appears and repeat at 7 day intervals.
Beet	Downy Mildew	–	3 lbs.	Begin when disease normally appears and repeat 7 to 10 days thereafter.
Blackberry, Boysenberry, Dewberry, Loganberry, Raspberry	Anthraxnose	2 lbs.	–	Begin when leaf buds begin to open and repeat when flower buds show white. Continue at 10 to 14 day intervals.
	Leaf Spot, Cane Spot	2 lbs.	–	Begin when leaf buds begin to open. Repeat when flower buds show white. Also a postharvest spray after pruning but before fall rains using 6 pounds per 100 gallons of water is beneficial.
	Yellow Rust	2 lbs.	–	Begin when leaf buds begin to open. Repeat when flower buds show white. Also a postharvest spray after pruning but before fall rains using 6 pounds per 100 gallons of water is beneficial.
Broccoli, Brussels Sprout, Cabbage, Cauliflower	Downy Mildew, Leaf Spot	–	1-3 lbs.	Begin when disease normally appears and repeat 7 to 10 days thereafter. Use the high rate where disease pressure is heavy or expected to be so.
Cantaloupe, Cucumber, Melons, Squash	Angular Leaf Spot, Anthracnose, Downy Mildew	–	2 lbs.	Begin when disease normally appears and repeat 7 to 10 days thereafter. Check with State Experiment Station for recommendations for the use of hydrated lime as a part of the spray mixture on cucurbits.
Carrot	Alternaria Leaf Blight, Cercospora Leaf Blight, Downy Mildew	–	3-4 lbs.	Begin when disease normally appears and repeat 7 to 10 days thereafter. Use the high rate where disease pressure is heavy or expected to be so.
Celery	Early Blight, Late Blight, Leaf Spot	–	3-4 lbs.	Begin when plants are 6 inches high or when disease first appears. Repeat every 5 to 14 days as necessary. Use the high rate where disease pressure is heavy or expected to be so.
Cherry (Sour)	Brown Rot, Blossom Blight	3-5 lbs.	–	Apply during popcorn to full bloom stage and petal fall.
	Leaf Spot	2-5 lbs.	–	Add 4.0 pounds of hydrated lime per 100 gallons of water. Apply at petal fall as well as one to two times after petal fall. Use lower rates at leaf fall or where disease infestation is light, use higher rates for dormant treatment or where disease infection is moderate to heavy. Do not apply to sweet cherries or the English Morelo variety as severe injury will result.

SPECIFIC INSTRUCTIONS

CROP	DISEASE	RATE/100 GALS. WATER	RATE/ACRE	USE INSTRUCTIONS
Cherry (All)	Dead Bud, Bacterial Gummosis, Canker (Pseudomonas), Coryneum Blight	3-5 lbs.	–	Apply before fall rains and again during dormancy before spring growth starts. Use the higher rate when disease pressure is high.
Citrus	Brown Rot	1 (Florida only use 2 lbs.)	–	Begin at first sign of brown rot or before and during wet weather. Repeat as necessary.
	Greasy Spot, Pink Pitting	1.5-3 lbs.	–	Use as a summer spray (about mid July). NOTE: For aerial or concentrate application apply 10 to 26 pounds per acre in water diluted as recommended by the manufacturer of the sprayer used. Use no less than 10 gallons of water per acre.
	Melanose	1.5-3 lbs.	–	Apply 1 to 3 weeks after petal fall, repeat application 4 weeks later, if necessary. For aerial or concentrate application apply 10 to 26 pounds per acre in water diluted as recommended by the manufacturer of the sprayer used. Use no less than 10 gallons of water per acre. NOTE: Sprayable sulfur may be added in sprays for melanose.
	Scab	1.5-3 lbs.	–	Make two applications. One immediately before flush and the second at two thirds petal fall. Use the high rate when disease pressure is heavy or expected to be so. For aerial or concentrate application apply 10 to 26 pounds per acre in water diluted as recommended by the manufacturer of the sprayer used. Use no less than 10 gallons of water per acre. NOTE: Sprayable sulfur may be added in sprays for scab.
Currant, Gooseberry	Anthracoese, Leaf Spot	6 lbs.	–	Make three applications; at full bloom, 2 weeks later, and after harvest.
Eggplant	Alternaria Leaf Blight, Anthracnose, Phomopsis	–	3-4 lbs.	Begin when disease normally appears and repeat 7 to 10 days thereafter. Use high rate where disease pressure is heavy or expected to be so.
Grape	Black Rot, Downy Mildew	2 lbs.	–	Apply when first leaves appear, just before blossom opens, after petal fall and every 2 weeks thereafter up to 2 weeks before harvest.
Olive	Peacock Spot, Olive Knot	4-6 lbs.	–	Make first application before winter rains fall. A second application in early spring also should be made for olive knot. Use high rate where disease pressure is heavy or expected to be so.
Papaya	Anthracoese	1.5 lbs.	–	Apply when disease is expected to appear and repeat at 10 to 14 day intervals or at 5 to 7 day intervals during periods of heavy rainfall.
Peach, Nectarine	Brown Rot, Blossom Blight	4-5 lbs.	–	Apply in pink buds stage.
	Leaf Curl, Peach Blight	4-5 lbs.	–	Apply as a dormant spray. Do not use when trees are in leaf. In CALIFORNIA if dormant spray is to be made by aircraft, use 16 to 20 pounds per acre in 20 gallons of water.
Peanut	Cercospora Leaf Spot	–	3 lbs.	Begin when disease normally occurs and repeat at 14 day intervals. For heavy pressures use another EPA registered fungicide in accordance with its label instructions.
Pear*	Fire Blight	–	2-4 lbs.	Begin at 10% bloom and repeat 5 to 7 days during bloom period. Special attention should be given to repeat sprays after showers of rain. USE on copper sensitive varieties such as Anjou, Comice of Seckel may result in fruit russet.
	Pseudomonas (Blossom Blast, Blossom Blight)	3-5 lbs.	–	Apply before fall rains and again during dormancy before spring growth starts. Use the higher rate when disease pressure is high or when conditions favor development of such. *Check with local State Extension or Experiment Station authorities to determine sensitivities to copper.
Pecan	Scabs	2 lbs.	–	Apply according to State Extension Service recommended spray schedule.
Pepper	Anthracoese, Bacterial Spot, Cercospora Leaf Spot (Frogeye), Downy Mildew, Early Blight, Late Blight	–	2-4 lbs.	Begin when disease normally appears and repeat 7 to 10 days thereafter. Use high rate where disease pressure is heavy or expected to be so.
Plum, Prune	Blossom Blight, Brown Rot, Shot Hole	4-5 lbs.	–	May be applied as a dormant or bud spray. Bud sprays should be applied in popcorn to full bloom stage. Use the high rate where disease pressure is heavy or expected to be so.

SPECIFIC INSTRUCTIONS

CROP	DISEASE	RATE/100 GALS. WATER	RATE/ACRE	USE INSTRUCTIONS
Potato	Early Blight, Late Blight	–	3-6 lbs.	Apply at first sign of disease and repeat 7 to 10 days thereafter. Use high rate where disease pressure is heavy or expected to be so.
Spinach	Cercospora Leaf Spot, Anthracnose, Downy Mildew (Blue Mold), White Rust	–	2-4 lbs.	Begin when disease normally appears and repeat 7 to 10 days thereafter. Use high rate where disease pressure is heavy or expected to be so.
Strawberry	Leaf Spot	–	2-3 lbs.	Apply at pre-bloom and post harvest. Use the high rate where disease pressure is heavy or expected to be so.
Sugar Beet	Cercospora Leaf Spot	–	4 lbs.	Begin when disease normally occurs and every 7 to 10 days thereafter.
Tomato	Anthracnose, Early Blight, Late Blight, Leaf Mold Septoria, Bacterial Spot, Bacterial Canker	–	2-4 lbs.	Begin when disease normally appears and repeat every 7 to 10 days. Use the high rate when disease pressure is heavy or expected to be so.
Walnut	Blight	4-5 lbs.	–	The first application should be made late dormant prior to when catkins expand. Make additional application during bloom and early nutlet stage or as needed if frequent rainfall occurs.

MISCELLANEOUS (Except California)

CROP	DISEASE	USE INSTRUCTIONS
Oak Trees	Ball Moss, Spanish Moss	Mix 6 pounds of Basicop in 100 gallons of water. Apply in spring after heavy rain. Thoroughly wet tree and moss, applying about 1.5 gallons per foot of tree height.

ORNAMENTALS (Except California)

To control diseases on Ornamental and Shade trees; Ornamental Flowering Plants; and Ornamental Woody Shrubs and Vines listed below, mix 2 to 4 pounds per 100 gallons or apply 2 to 4 pounds Basicop per acre in sufficient water for good coverage. Begin treatment before disease appears, usually in spring, and repeat at 7 to 10 day intervals and after rains as needed to control disease unless a definite timing is given for a particular disease on a given plant in the following list. PRECAUTION: Phytotoxicity may occur on certain varieties. Apply on a few plants at the recommended rate and observe for a few days to see if phytotoxicity will occur. On some varieties of chrysanthemum and roses, a residue on the foliage or bloom may discolor them. To prevent residues on commercial plants, do not spray just before selling season.

ORNAMENTAL AND/OR SHADE TREES

CROP	DISEASE	ADDITIONAL USE INSTRUCTIONS
Arboretum	Coryneum Blight	Apply in early spring and fall.
Cedar	Apple Rust	Apply in July and August or two weeks before disease is normally expected.
Cypress	Coryneum Blight	Apply in early spring and fall.
Dogwoods	Anthracnose, Leaf Spot, Leaf Curl	Apply as leaves uncurl in spring and repeat in 2 or 3 weeks.
Juniper	Coryneum Blight	Apply in early spring and fall.
Linden	Anthracnose, Leaf Spot	Apply to swelling buds and repeat two times at 10 day intervals as needed.
Maples	Anthracnose, Leaf Spot	Apply to swelling buds and repeat two times at 10 day intervals as needed.
Oaks	Anthracnose, Leaf Spot	Apply to swelling buds and repeat two times at 10 day intervals as needed.
Pine	Needle Blight	Apply as new needles are emerging and repeat two or three times as needed at 7 to 10 day intervals.
Spruce (Blue)	Needlecast	Apply as new needles are emerging and repeat two or three times as needed at 7 to 10 day intervals.
Sycamores	Anthracnose, Leaf Spot	Apply to swelling buds and repeat two times at 10 day intervals as needed.
Yews	Twig Blight	

ORNAMENTAL FLOWERING PLANTS

CROP	DISEASE	ADDITIONAL USE INSTRUCTIONS
Asters	Leaf Spot	
Begonia	Leaf Spot	
Bulbs (Gladiolus, Lilies, Tulips)	Botrytis Blight	
Carnation	Botrytis Blight (Gray Mold)	
Chrysanthemum	Leaf Spot	
Cotoneaster	Botrytis Blight (Gray Mold)	
Dahlia	Botrytis Blight (Gray Mold)	
Delphinium	Leaf Spot	

ORNAMENTAL FLOWERING PLANTS *Cont'd.*

CROP	DISEASE	ADDITIONAL USE INSTRUCTIONS
Gardenia	Leaf Spot	
Geranium	Botrytis Blight, Downy Mildew, Leaf Spot	
Iris	Leaf Spot	
Narcissus	Leaf Spot	
Marigolds	Botrytis Blight, Leaf Spot	
Pansy	Anthrachnose, Downy Mildew, Botrytis Blight, Leaf Spot	
Peonies	Botrytis Blight	Apply before shoots are 1 foot tall. Repeat in 2 weeks and again if any signs of bud blast appear.
Phlox	Botrytis Blight, Leaf Spot	
Snapdragons	Anthrachnose, Downy Mildew, Botrytis Blight, Leaf Spot	
Violet	Anthrachnose, Downy Mildew, Botrytis Blight, Leaf Spot	
Zinnia	Powdery Mildew	

ORNAMENTAL WOOD SHRUBS AND VINES

CROP	DISEASE	ADDITIONAL USE INSTRUCTIONS
Azalea	Anthrachnose, Leaf Spot, Botrytis Blight Galls (Flower, Leaf, Stem)	Apply to entire plant before buds break in the spring. Repeat 2 or 3 weeks later. If any galled leaves appear, remove and burn.
Boxwood	Leaf Spot	
Camellia	Dieback	
Euonymus	Anthrachnose, Botrytis Blight	
Ivy	Bacterial Leaf Spot	
Laurel	Leaf Blights, Leaf Spot	
Lilac	Bacterial Blight, Leaf Spot	
Pachysandra	Leaf Blight, Volutella Twig Blight	
Philodendron	Bacterial Leaf Spot	Mix 2 pounds Basicop in 100 gallons of water by dilute spray. Apply to foliage when disease first appears or is expected and repeat at 7 to 10 day intervals as needed to control disease.
Pyracantha	Fire Blight, Scab	
Rhododendron	Botrytis Blotch, Bud Blight, Twig Blight, Leaf Spot	
Rose	Powdery Mildew	

WARRANTY STATEMENT

GRIFFIN warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials or the manner of use or application, all of which are beyond the control of GRIFFIN. In no case shall GRIFFIN be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall not exceed the purchase price paid for this product or at GRIFFIN'S election, the replacement of this product. GRIFFIN MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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GCN 100698
CPC 021089