



# SOAP-SHIELD<sup>®</sup>

## FLOWABLE LIQUID COPPER FUNGICIDE

### Active Ingredient:

Copper Octanoate (Copper Soap).....	10.0%
<b>Inert Ingredients</b> .....	<b>90.0%</b>
<b>Total</b> .....	<b>100.0%</b>
metallic copper equivalent.....	1.8%

EPA Registration No. 67702-2-56872

EPA Establishment No. 56872-IN-1

U.S. Patent No.: 5,246,716

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

Manufactured By: Gardens Alive!<sup>®</sup>, Inc.

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CROP	DISEASES CONTROLLED	APPLICATION NOTES
Turf	Ascochyta leaf blight, Cercospora leaf spots, Dollar spot	<p>Mix 1.5 to 6 fluid ounces with 2.5 gallons of water and apply to 1,000 sq. ft. 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.</p>
		<p>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 Soap-Shield 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.</p>
	Rust	<p>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 Soap-Shield when disease first appears, and repeat at 7 to 10 day intervals for as long as needed.</p>

CROP	DISEASES CONTROLLED	APPLICATION NOTES
		In frequently diseased areas, prune adjacent trees and shrubs to reduce turf shading and to improve air movement.

## DIRECTIONS FOR USE

### ON FRUITS AND VEGETABLES:

Unless otherwise stated below, mix 0.5 to 2.0 fluid ounces of Soap-shield with 1 gallon of water. Use sufficient water to ensure good coverage. 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. Use the higher rate, applied every 7 days or less, 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.

CROP	DISEASES 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)	
Beet, Chard, Spinach	Cercospora leaf spot, Downy mildew, White rust, Powdery mildew	
Carrots	Alternaria leaf blight, Bacterial leaf blight, Cercospora leaf blight	
Celery and Celeriac	Bacterial leaf spot, Cercospora (early) blight, Septoria (late) blight	

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Citrus (Grapefruit, Lemon, Lime, Orange, Pummelo, Tangerine)	Melanose spot, greasy spot, citrus scab, alternaria brown spot, Red alga (Florida)	Apply 1-3 weeks after petals fall. Repeat every 2 weeks if necessary until the fruit is 3 inches in diameter. Do not mix Soap- Shield with oil when applied on any citrus.
Corn	Southern leaf blight, Cercospora leaf spot	
Crucifer Crops (Broccoli, Brussels sprouts, Cauliflower, Cabbage, Kale, Kohrabi, Mustard, Pak-Choi, Rape, Rutabaga, Turnip)	Alternaria blight, Bacterial leaf spot, Downy mildew, Powdery mildew, White mold (Sclerotinia)	
Cucurbits (Cucumbers, Cantaloupe, Squash, Pumpkin, Zucchini)	Alternaria blight, Angular leaf spot, Anthracnose leaf and fruit spot, Downy mildew, Gray mold, Scab, Ulocladium leaf spot, Powdery mildew	For cucumbers grown in a greenhouse, apply Soap- Shield 2 times per week in the first 2 weeks after emergence, followed by sprays every 7 days.
Currant and Gooseberry	Anthracnose leaf and fruit spot, Phyllosticta, Septoria leaf spots, Powdery mildew	
Ginseng	Alternaria blight, Botrytis blight, Phytophthora, Powdery mildew	

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Grapes	Downy mildew, Black rot, Phomopsis Cane and Leaf Spot, Powdery mildew, Gray mold (Botrytis)	Do not mix Soap-Shield 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.
Hop	Anthracnose leaf and fruit spot, Cercospora leaf spot, Downy mildew, Powdery mildew	
Lettuce, Chicory, Endive	Downy mildew Septoria leaf spot, Powdery mildew, Bacterial soft rot, and bottom rot	Use lower rate when disease pressure is low or on copper sensitive varieties of lettuce.
Onion, Garlic, Leek, Shallot, Chives	Botrytis leaf blight, Downy mildew, Neck rot, Bacterial soft rot	
Parsley	Leaf scorch, Leaf spot	
Peanuts	Sclerotinia blight, Leaf spots (early and late), web blotch	
Pome Fruit Trees (Apple, Pear, Quince)		NOTICE: Soap-Shield as used in this recommendation may cause russetting of Golden Delicious and similar susceptible apple varieties. Mild russetting of other varieties may occur. Preferred use is on non-bearing or processing varieties where russetting is not a concern. On apple do not exceed the rate of 1.0 fluid ounces of Soap-Shield per gallon of water.

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	Anthracnose leaf and fruit spot	Apply in mid-July.
	Cedar Apple Rust, Quince Rust	The disease can also be reduced by removing nearby eastern red cedar plants ( <i>Juniperus virginiana</i> L). On juniper, cedar apple, rust can be controlled by spraying plants at least 4 times between late August and late October.
	Fireblight	Spray at silver tip and bud break and repeat on 3 to 5 day intervals as needed, up to petal fall. Use the lower rate if disease pressure is light and higher rate when conditions favor heavy disease.
	Scab, Sooty Blotch, Flyspeck (fruit and leaf spots)	Treat up to blossom drop. Use after blossom drop will cause russetting.
Small Fruits (Blackberry, Blueberry, Raspberry, Strawberry)	Gray mold ( <i>Botrytis</i> ), Mucor fruit rot, Rhizopus fruit rot	Apply at the start of flowering and continue every 7 to 10 days until harvest.
Stone Fruit Trees (Almond, Apricot, Cherry, Nectarine, Peach, Plum)	Bacterial canker ( <i>Pseudomonas syringae</i> ), Brown rot blossom blight, leaf and fruit spot, Bacterial leaf spot	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 the fall spray again at 10 and 80% leaf fall. For brown rot blossom blight apply full cover spray at delayed dormant (bud swell),

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		popcorn, full bloom and petal fall stages. During wet weather additional bloom sprays may be necessary.
	Anthracnose leaf and fruit spot, Coryneum blight, Peach leaf curl	Apply as a dormant spray in late fall during a period of dry weather.
Strawberry	Angulat leaf spot, Leaf scorch, Mycosphaerella leaf spot, Phomopsis leaf blight, Powdery mildew, Septoria leaf spots	Spray 1 month after plantin (or befoe flowering on established plants) and twice more at 7 to 10 day intervals.
	Anthracnose fruit rot, Gray mold (Botrytis)	Apply at the start of flowering and continue every 7 to 10 days until harvest.
Tobacco	Blue Mold (Downy Mildew)	
Tomato, Potato, Pepper	Anthracnose leaf and fruit spot, Bacterial speck, Bacterial spot, Cercospora leaf spot, Early blight, Gray mold, Late blight, Leaf mold, Septoria leaf spot	
Walnuts	Blight	

## NOTICE TO BUYER:

Seller warrants that this product conforms to the chemical description on this label and is reasonably fit for 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 risks of any such use. Seller makes no other warranties, either expressed or implied