



CAN BE USED FOR ORGANIC PRODUCTION

This product has not been registered by the US Environmental Protection Agency. USAgritech, Inc. represents that this product qualifies for exemption from registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

DIRECTIONS FOR USE

General Information and Tips for Best Performance

BacStop™ is a concentrate and is designed for use both in greenhouses and outdoors. BacStop is intended to be mixed with water and applied with pressurized power operated sprayers or delivered through drip irrigation systems. When diluting, it is recommended to add approximately half the water to the applicator tank, then add the proper amount of BacStop in accordance with the rate table, agitate, then add the remaining amount of water. Then thoroughly agitate the mixture to insure proper suspension. BacStop is to be used as a contact bactericide/fungicide pest control agent.

BacStop can be tank-mixed with other products unless prohibited by the product label. A small volume test mix is recommended to ensure compatibility. BacStop can cause a phytotoxic damage to green foliage in higher concentrations. If tank-mixed with another product a small scale test to ensure lack of phytotoxicity of the combination is recommended.

DIRECTIONS FOR USE

BacStop is a multi-purpose broad spectrum bactericide/fungicide. BacStop can be used for treatment of all food crops and ornamentals. BacStop can also be used for soil applications to aid in reducing the damaging effects of soil borne bacterial and fungal diseases.

General Application Notes -

For corn and wheat pathogens suppression it is recommended to use EF400 Fungicide and BacStop in combination for effective control of bacteria and fungal pathogens. This blend is synergistic and is common that both types of disease are present at the same time. EF400 Fungicide is an ideal partner to the BacStop.

Companion Blend and Tank Mix Recommendations

See Table 3 for tank mix recommendations. These companion blends include EF400 Fungicide, EF300 Insecticide and BacStop.

Application Timing

Apply diluted spray when high humidity for the development of disease symptoms in crops or at first sign of disease and continue applications at 7 to 10 day intervals or until disease symptoms are gone.

Minimum Time for Application to Harvest

Spraying or drip application of the product can occur up to the time of harvest on all intended crops.

Application Rates for BacStop™

For spray application rates see Table 1.

Application Method and Equipment

BacStop can be sprayed on foliage, the surface of soil or injected into a drip irrigation system at the rates on the appropriate tables. When sprayed on foliage allow 12 hours of a dry period so that irrigation or rain does not wash off application. When applied topically to soil, immediately follow application of BacStop with 1/2 inch of water to wash into soil.

For drip applications apply to soil that is with humidity level of 70% or more. After BacStop has cleared lines follow with enough water to wash down to root level. Always wash into soil after application with plain water to make sure that BacStop penetrates down to the depth of the root ball. Consult spray nozzle and accessory catalogues for specific information on proper equipment calibration. For best coverage use small droplets.

STORAGE AND TRANSPORT

Storage

Store in original UV protected containers only. In case of spill on floor or paved surfaces, hose off with clean water. Store at temperatures between 41°F to 85°F (5°C to 30°C).

Disposal

Wastes resulting from using this product may be disposed of on site. Dispose of empty jug in a sanitary land fill as allowed by state and local authorities.

BacStop Organic Bactericide

Active Ingredients: Clove 6.2%, Rosemary 6.1%, Peppermint

5.7%-Total (18%)

Other Ingredients: Bentonite, Carrageenan, Citric Acid, Citrus Pulp, Dolomite, Guar Gum, Kaolin, L-Ascorbic Acid, Sodium Bicarbonate, Palm Oil, Purified Water - Total (82%)

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

Causes temporary eye and skin irritation. Do not get in eyes, on skin, or on clothing. Wear protective eye wear such as goggles, face shield, or safety glasses, and chemical resistant gloves. Wash thoroughly with soap and water after handling. 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. If irritation persists, call a poison control center or doctor for further advice.

If on skin: Take off contaminated clothing, rinse skin immediately with plenty of soap and water for 15-20 minutes. If irritation persists, call a poison control center or doctor for further advice.

If swallowed - Call doctor or poison control center 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 poison control center or doctor. Do not give anything to an unconscious person.

If inhaled - Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.

CONDITIONS OF SALE AND WARRANTY

USAgritech, Inc. warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. USAgritech, Inc. MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR USE. Critical and unforeseeable factors beyond USAgritech, Inc.'s control prevent it from eliminating all risks in connection with the use of this product. Risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather conditions, presence of other materials, drift to other crops or property, the manner of use or application, or failure to follow label directions will be assumed by the Buyer or User. Handling, storage and use of the product by Buyer and User are beyond the control of USAgritech, Inc. In no case shall USAgritech, Inc. be held liable for consequential, special or indirect damages resulting from the use of this product. The limit of USAgritech, Inc. liability shall be the purchase price for the quantity involved. BacStop is a Trademark of USAgritech, Inc. • Copyright USAgritech, Inc., 2013

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1 GALLON
(3.79L)

BacStop Organic Bactericide

Table 1 Specific Crops	Target Diseases	Preventive Rate fl oz	Curative Rate fl oz	Rate per Acre Gallons	Application Directions & Interval
Apple	Apple Scab	6	12	60-100	Begin applications from 1/2 in. tip to harvest, 7 day intervals.
	Fire Blight	6	12		
	Black Rot	6	12		
Blueberry	Mummy Berry	9	12	30-50	Spray at green tip, early pink bud, pink bud, early bloom, mid bloom, petal fall and fruit set
	Anthraxnose Fruit Rot	12	16		
	Bacteria Leaf Scorch	9	12		
	Bacteria Soft Rot	9	12		
Cranberry	Fire Blight	12	16	30-50	Begin at bud break and follow at 7 day intervals
Cherry, Sweet and Tart	Cherry Leaf Spot	6	12	60-100	
	Brown Rot	6	12		
Citrus	Citrus Canker	8	12	60-100	
Cucurbits Cucumber, squash, pumpkin, melon, pickle	Bacterial Leaf Spot	6	12	25-30	Preventative - make application every 7 days. After first symptoms observed, apply every 3-5 days until control is established. Recommended to use in combination with EF400.
	Bacteria Wilt	8	12	25-40	
	Bacteria Fruit Blotch	6	10	30-40	
	Downey Mildew	6	8	30-40	
	Powdery Mildew	6	8	25-40	
Cotton	Bacteria Blight	10	14	10-15	Apply in combination with EF400
	Dry Edible Beans and Green Beans	Common Blight	6	9	20
Halo Blight		6	9	20	
Brown Spot		6	8	20	
Field Corn	Anthraxnose	8	12	20	Anthraxnose - Spray at 4th leaf and continue every 10-14 days or 7-10 days under high pressure conditions. For Goss's Wilt apply at V-4 stage and row tassel. Apply every 7-10 days until disease is suppressed from stalk.
	Goss's Wilt	12	16		
Grape	Botrytis Bunch Rot	6	8	40-50	Spray at full bloom, berry touch and veraison.
	Phomopsis cane & Leaf Spot	8	12	40-50	
Onion	Anthraxnose - onion smudge	8	12	25-40	Begin shortly after emergence and spray every 7 days
Peppers	Bacteria Leaf Spot	6	8	25-40	If first symptoms are observed apply every 5-7 days until control is attained.
Potatoes	Common Scab	6-8	6-8	25-40	For soil treatment use with EF400. After application water into soil to reach root area.
	Bacteria Wilt	6	6	25-40	
	Blackleg and Soft Rot	8	8	25-40	
	Bacteria Ring Rot	6	6	25-40	
Potato Seed Preplant	To help stop the spread of Scab and other bacterial and fungal disease	BacStop 3	EF400 10	20	Use in combination with EF400. Use fine spray and allow to dry before planting. Good coverage is critical.
Soybeans	Bacteria Blight	6	8	20	Application schedule: R1, R4, R-6
Strawberry	Bacteria Blight	4	8	25-40	Product should be applied on a preventative program. For soil borne diseases can be applied through drip irrigation system. Use in combination with EF400
	Bacteria Wilt	4	8	25-40	
	Botrytis	4	8	25-40	
	Powdery Mildew	4	4	25-40	
Sugar Beet	Cercospora Leaf Spot	4	8	30	Begin spraying at first signs of disease onset and maintain a 7-10 day interval during periods of high infection
Tomatoes	Bacteria Leaf Spot	4	6	25-40	
	Bacterial Speck	4	6	25-40	
	Bacterial Canker	4	6	25-40	
	Bacteria Wilt	4	6	25-40	
Wheat	Fusarium Head Blight	4	8	20	4th to 5th leaf followed at 14 days later
	Bacteria Head Blight	6	8	20	
Ornamentals	Bacterial diseases	4	6	25-50	Preventative - apply every 7 days Curative - Apply at first symptoms and continue every 5 day until control established.