BacStop™

Bactericide / Fungicide

CAN BE USED FOR ORGANIC PRODUCTION

- For Use on Vegetables, Field Crops, Fruit, Grapes, Citrus & Nut Crops, Berries, Nursery Crops and Turf.
- No Residues
- Not pH sensitive
- Zero reentry or pre harvest interval

Active Ingredients	
Thyme	2.0%
Clove & clove Oil	2.0%
Cinnamon	1.5%
Peppermint & Peppermint Oil	1.0%
Garlic Oil	1.0%
Total Active Ingredients	7.5%
Other Ingredients	
Acetic Acid, Bentonite, Carrageenan, Glycerin, Kaolin, L Ascorbic Acid, Purified Water	92.5%
Total	100.0%

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).

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 until any irritation stops. Remove contact lenses, if present. If irritation persists, call a poison control center or doctor for further advice.
If on skin: Rinse with water and if skin irritation persists, take off contaminated clothing, rinse skin immediately with plenty of soap and water. 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.

ECOLOGICAL INFORMATION

Environmental Stability: The components of this product will decompose over time to generate other organic compounds.
Effect on Aquatic Life: This product has been tested for aquatic toxicity. Test results indicate this product will not cause harm to an aquatic environment.

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.

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 and Table 2

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 when used as a soil treatment.

Equipment
Thorough coverage of soil is required for best results. To achieve thorough coverage, use proper spray pressure, gallons per acre, nozzles, nozzle spacing, and tractor speed. Consult spray nozzle and accessory catalogues for specific information on proper equipment calibration. For best coverage use small droplets.

Clean application equipment by using enough plain water to thoroughly rinse the tank, flush filters and spray nozzles. Flush tank until clean and then turn on nozzles, rinsing with water until clean to the touch.

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).

NET CONTENTS - 1 GALLON (3.8 LITERS)

Disposal

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

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 WARRANTS EITHER OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR USE. Critical and unforeseeable factors beyond USAgriTech's, Inc. 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.

Table 1 - Crops
Root & Tuber Vegetables such as beet, potato, carrot **Bulb Vegetables** such as onions, garlic, leeks, shallots, potato **Leafy Vegetables** such as endive, head and leaf lettuce, radicchio, spinach, Swiss chard **Legume Vegetables** such as bean, pea **Fruiting Vegetables** tomato **Cucurbits** such as cucumber **Cole Crops** such as broccoli, Brussels sprouts, cabbage, cauliflower **Melons** such as cantaloupe, watermelon **Squashes** such as pumpkin
Pome Fruit such as apple, pear **Stone Fruit** such as apricot, cherry, nectarine, peach, plum, prune
Citrus - orange, lemon, grapefruit
Small Fruit, Berries - such as: blackberry, blueberry, loganberry, raspberry, strawberry **Grapes** such as: wine, fresh market, raisin
Ornamentals - field & greenhouses such as bare root, bedding and flowering stock including sunflowers, field grown cut flowers, vegetable transplants, nursery and landscape, potted flowering, tree ornamentals

Table 2 Specific Crops	Target Diseases	Preventive Rate fl oz	Curative Rate fl oz	Rate per Acre Gallons	Application Directions & Interval
Apple	Apple Scab Fire Blight Black Rot	6 6 6	12 12 12	60-100	Begin applications from 1/2 in. tip to harvest, 7 day intervals.
Blueberry	Mummy Berry Anthracnose Fruit Rot Bacteria Leaf Scorch Bacteria Soft Rot	9 12 9 9	12 16 12 12	30-50	Spray at green tip, early pink bud, pink bud, early bloom, mid bloom, petal fall and fruit set
Cranberry	Fire Blight	12	16	30-50	Begin at bud break and follow at 7 day intervals
Cherry, Sweet and Tart	Cherry Leaf Spot Brown Rot	6 6	12 12	60-100	
Citrus	Citrus Canker	8	12	60-100	
Cucurbits Cucumber, squash, pumpkin, melon, pickle	Bacterial Leaf Spot Bacteria Wilt Bacteria Fruit Blotch Downey Mildew Powdery Mildew	6 8 6 6 6	12 12 10 8 8	25-30 25-40 30-40 30-40 25-40	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.
Cotton	Bacteria Blight	10	14	10-15	Apply in combination with EF400
Dry Edible Beans and Green Beans	Common Blight Halo Blight Brown Spot	6 6 6	9 9 8	20 20 20	Apply 3rd trifoliate, R1, R4, R7. Recommended use in combination with EF400 to reduce fungal problems.
Field Corn	Anthracnose Goss's Wilt	8 12	12 16	20 20	Anthracnose - 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.
Grape	Botrytis Bunch Rot Phomopsis cane & Leaf Spot	6 8	8 12	40-50 40-50	Spray at full bloom, berry touch and veraizon.
Onion	Anthracnose - 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 Bacteria Wilt Blackleg and Soft Rot Bacteria Ring Rot	6-8 6 8 6	6-8 6 8 6	25-40 25-40 25-40 25-40	For soil treatment use with EF400. After application water into soil to reach root area.
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 Bacteria Wilt Botrytis Powdery Mildew	4 4 4 4	8 8 8 4	25-40 25-40 25-40 25-40	Product should be applied on a preventative program. For soil borne diseases can applied through drip irrigation system. Use in combination with EF400
Sugar Beet	Cercosppora Leaf Spot	4	8	30	Betgin spraying at first signs of disease onset and maintain a 7-10 day interval during periods of high infection
Tomatoes	Bacteria Leaf Spot Bacterial Speck Bacterial Canker Bacteria Wilt	4 4 4 4	6 6 6 6	25-40 25-40 25-40 25-40	
Wheat	Fusarium Head Blight Bacteria Head Blight	4 6	8 8	20 20	4th to 5th leaf followed at 14 days later
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.

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