

EF400

All Purpose Fungicide

CAN BE USED FOR ORGANIC PRODUCTION

- For Use on Crops and Ornamentals
- Effective long term control
- Zero reentry or preharvest interval

DIRECTIONS FOR USE

General Information and Tips for Best Performance

EF400 is a blend of herbal active ingredients to be used as a contact fungicide and preventative disease control agent. EF400 may be used with a spreader or sticker. EF400 should be compatible with most products. We recommend conducting a small-scale test to ensure lack of phytotoxicity of the combination. Buffer the pH of the EF400 spray solution to pH 6.0 to 7.0 for best results. Outside of this recommended range may result in reduced performance on target diseases.

Method of Application for EF400

Ground application is recommended for thorough coverage. Under low-level disease conditions, the minimum application rates can be used. Maximum application rates and shortened spray schedules are recommended during periods of high disease pressure.

Application Rates for EF400

Apply EF400 at recommended rates (refer to Table 1 - Rates per 100 Gallons) in sufficient water to provide thorough coverage. Thorough coverage of foliage is required for optimal disease control. Use adequate sprayer pressure to achieve small droplets or fine mist for best coverage. Do not spray wet foliage.

Dilution Instructions

Shake jug of EF400 before opening to blend ingredients. Fill the clean spray tank with the amount of water needed for the application. Agitate water in tank and then SLOWLY add desired amounts of EF400 maintaining constant agitation throughout mixing. Once product is in solution, no further agitation is required.

Minimum Time for Application to Harvest

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

Equipment

Thorough coverage of plant, including leaves and fruit, 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 mist and 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.

TANK MIXING INSTRUCTIONS

EF400 can be tank mixed with most recommended fungicides, insecticides, herbicides, liquid fertilizers, biological control products and adjuvants. EF400 has been tested on numerous plant varieties with no phytotoxic effects. However, since EF400 has not been tested on all plant varieties or in combination with all available tank mixes, testing on a small number of plants to check for adverse effects is recommended before applying widely. Add EF400 to tank mixed formulations as the **last** ingredient. Use according to the most restrictive label directions for each product in the mixture.

STORAGE AND DISPOSAL 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). Wastes resulting from using this product may be disposed of on site. Dispose of empty containers in a sanitary land fill or recycled if permitted.

EF400 Organic Fungicide

Active Ingredients: Clove 8.2%, Rosemary 8.1%, Peppermint 6.7% - (23%)
Other Ingredients: Bentonite, Carrageenan, Citrus Pulp, Kaolin, L-Ascorbic Acid, Sodium Bicarbonate, Palm Oil, Purified Water - (77%) **Total** - 100%

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 eyewear 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. EF400 is a Trademark of USAgriTech, Inc. • Copyright USAgriTech, Inc., 2011

USAgriTech, Inc.
179 Niblick Rd., #405 Paso Robles, CA 93446
855-434-0300
www.usagritech.com

NET CONTENTS
1 GALLON
(3.79L)

EF400 Organic Fungicide

Table 1 - Crop	Rate per 100 Gallons
Root & Tuber Vegetables such as but not limited to: beet, carrot Bulb Vegetables such as but not limited to: onions, garlic, leeks, shallots, potato Leafy Vegetables such as but not limited to: endive, head and leaf lettuce, radicchio, spinach, Swiss chard Legume Vegetables such as but not limited to: bean, pea Fruiting Vegetables but not limited to: tomato (Not recommended for use on peppers) Cucurbits such as but not limited to: cucumber Cole Crops such as but not limited to: broccoli, Brussels sprouts, cabbage, cauliflower Melons such as but not limited to: cantaloupe, watermelon Squashes such as but not limited to: pumpkin	64 fl.oz. to 96 fl. oz
Pome Fruit such as but not limited to: apple, pear Stone Fruit such as but not limited to: apricot, cherry, nectarine, peach, plum, prune	64 fl.oz. to 96 fl.oz.
Subtropical Fruit such as but not limited to: banana, mango, papaya Citrus - such as but not limited to: orange, lemon, grapefruit	64 fl. oz. to 96 fl. oz.
Small Fruit, Berries - such as but not limited to: blackberry, blueberry, loganberry, raspberry, strawberry Grapes such as: wine, fresh market, raisin Hops	64 fl. oz. to 96 fl. oz.
Ornamentals - field & greenhouses such as but not limited to: bare root, bedding and flowering stock including sunflowers, field grown cut flowers, vegetable transplants, nursery and landscape, potted flowering, tree ornamentals	32 fl. oz. to 64 fl.oz.
Herbs & Spices such as but not limited to: basil, chives, dill, oregano, parsley, thyme	48 fl. oz. to 64 fl. oz.
Turf & Grasses Lawns, golf course fairways and greens, sod farms	64 fl. oz. to 96 fl. oz.
Forage Crops and Alfalfa If applied during baling operations see supplemental label for application information	64 fl. oz. to 96 fl. oz.
For any aerial application use a pH of 5.0 to 5.5 and a dilution rate of not less than 1% or 1 gallon per 100 gallons.	128oz

Crops	Target Disease	Application Directions
Fruiting Vegetables	Anthracnose Brown Rot Downy Mildew* Late Blight Rhizopus	Begin applications of EF400 prior to onset of disease and continue on a 14 day cycle. For control of Rhizopus, begin applications of EF400 prior to disease development and continue on a 7 to 10 day cycle. If Rhizopus is present just prior to harvest, use higher labeled use rate and let dry before harvesting for crop protection.
Pome Fruit Stone Fruit Subtropical Fruit Citrus	Scab Blue Mold Black Rot Powdery Mildew	Begin applications of EF400 prior to onset of disease and continue on a 10-14 day cycle. During conditions of high disease pressure use higher labeled use rates and shorten spray intervals.
Small Fruit, Berries	Botrytis Fruit Rot Leaf Rust* Monilinia Blight and Mummy Berry Phomopsis Leaf Spot, Twig Blight & Fruit Rot Powdery Mildew Rust * Rhizopus	Begin applications of EF400 prior to onset of disease and continue on a 10-14 day cycle. During conditions of high disease pressure, shorten spray intervals.
Grapes	Black Rot* Botrytis Gray Mold Bunch Rot Complex Downy Mildew Phomopsis Powdery Mildew Ripe Rot	For Powdery Mildew control, begin applications of EF400 at bud break or prior to onset of disease. Maintain a 14 to 21 day cycle. During conditions of high disease pressure use higher labeled use rates and shorten spray intervals. For Black Rot and Downy Mildew control, begin applications of EF400 at pre-bloom. For Botrytis Bunch Rot initiate sprays at bloom and repeat prior to bunch closing and veraison. Spray final application at harvest if needed.
Ornamentals Field & Greenhouses	Anthracnose Botrytis Powdery Mildew Rust White Mold (Sclerotinia)	Apply recommended rate for control of the greenhouse fungal disease. Apply on a 7-10 day cycle depending on the level of infestation. Spray to the point of runoff. For Powdery Mildew on greenhouse roses, use 24 oz to 48 oz per 50 gallons solution every 7 days.
Herbs & Spices	Botrytis Powdery Mildew Downey Mildew Rust	Begin applications of EF400 prior to onset of disease and continue on a 7 to 10 day cycle.
Turf & Grasses Lawns, golf course fairways and greens, sod farms	Powdery Mildew Brown Spot Dollar Spot Rust Slime Molds	Apply recommended rate for control of fungal disease. Apply on a 7 to 10 day cycle depending on the level of disease pressure. Water in thoroughly.
Forage Crops and Alfalfa	Powdery Mildew southern Blight, Common Leaf Spot, White Mold	Apply recommended rate for control of fungal disease. Can be applied at any time up to day of harvest. Can also be applied during baling.

Table 2		
Crops	Target Disease	Application Directions
Vegetables Root & Tuber Bulb Leafy Legume Cucurbits & Cole Crops Herbs & Spices Melons & Squashes	Downy Mildew Late Blight Powdery Mildew Rust* White Mold (Sclerotinia)	Begin applications of EF400 prior to onset of disease and continue on a 14 day cycle. During conditions of high disease pressure, shorten spray intervals. Spray at first sign of disease, continue on 14-day intervals, and continue until harvest is complete. Can be applied using irrigation system. See label supplement.