



Verdus Funginator

Bactericide / Fungicide

ACTIVE INGREDIENTS

CLOVE	12.5%
COTTONSEED OIL	11.5%
ROSEMARY	10.6%
THYME	10.2%
PEPPERMINT OIL	9.5%
CINNAMON	8.2%
GARLIC	8.2%
Total	70.7%
OTHER INGREDIENTS	
White Mineral Oil, Palm Oil, Guar Gum Concentrate, Citrus Pulp, Lemon Juice Concentrate	29.3%
Total	100%

This product has not been registered by the US Environmental Protection Agency. Anjon AG, Inc. represents that this product qualifies for exemption from registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), Section 25(b).

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENT

May 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 THE 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 THE 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.

☐ NET CONTENTS: 1 Gal (3.79 L) Jug

☐ NET CONTENTS: 2.5 Gal (9.46 L) Jug

GENERAL PRODUCT INFORMATION

FUNGINATOR is a FIFRA 25(b) exempt broad-spectrum bactericide/fungicide derived from active plant extracts. **FUNGINATOR** prevents and controls the establishment of disease-causing bacteria and fungi on actively growing plants, improving plant health and abiotic stress management. Overall plant health may improve crop vigor, yield and quality especially when crops are stressed by pathogens or environmental conditions. Use **FUNGINATOR** as a preventative rather than a curative application. Apply prior to disease infestation to protect the growing leaf tissue, flowers and above ground fruit and vegetables. **FUNGINATOR** can be used in either the field or greenhouse as a foliar spray. It may be used as a seed treatment or a seed piece treatment.

DIRECTIONS OF USE

FOR BEST RESULTS SHAKE VIGOROUSLY BEFORE USE

When diluting, it is recommended to add approximately half the water to the applicator tank, then add the proper amount of **FUNGINATOR** in accordance with the rate table, agitate, then add the remaining amount of water. Continuous agitation of the mixture is recommended to insure proper suspension. For best results, buffer the pH of the water to 6.0-7.0.

Apply **FUNGINATOR** to leaf tissue, flowers, and above ground fruit and vegetables with pressurized, power operated sprayers, backpack/handheld sprayers, aerial, or as a seed treatment.

Compatibility and Tank Mixes: **FUNGINATOR** is physically and biologically compatible with many commonly used pesticides, fertilizers, adjuvants and surfactants, but has not been fully evaluated with all products on the market. To ensure compatibility of tank-mix combinations evaluate them prior to use. Test the combination on a small portion of the crop to be treated to ensure that a phytotoxic response does not occur as a result of the application. **FUNGINATOR** may be tank-mixed with registered pesticides to enhance plant disease control and suppression. Use of the resulting tank mix must be in accordance with the more restrictive label instructions and precautions. It is critical that the spray solution be agitated during mixing and application to assure a uniform suspension. Avoid allowing spray mixture to stand overnight or for prolonged periods of time. Maintain a spray solution pH between 6.0 and 7.0.

FUNGINATOR has been tested for phytotoxicity on a variety of crops under various normal growing conditions. However, testing all crop varieties, in all mixtures and combinations, is not feasible. Prior to treating the entire crop, test a small portion of the crop for sensitivity, especially when using higher rates.

FUNGICIDE RESISTANCE MANAGEMENT & IPM: **FUNGINATOR** is considered a FRAC Group BM 01 fungicide. Integrate **FUNGINATOR** into an overall disease and pest management strategy. Follow practices known to reduce disease development and alternate use of fungicides with different FRAC groups. Monitor disease levels closely and apply only when needed. Consult local agricultural authorities for specific IPM strategies for your location and crop(s).

APPLICATION GUIDELINES

APPLICATION TIMING: Apply diluted spray before development or at first signs of disease, especially during conditions that favor disease such as periods of high temperatures and humidity. Continue applications at 7-10 day intervals or until disease symptoms are gone. Heavy rainfall or irrigation shortly after application may require retreatment. **NO MINIMUM TIME FROM APPLICATION TO HARVEST:** Foliar applications can be made up to the time of harvest on all intended crops.

APPLICATION RATES: Apply **FUNGINATOR** at recommended rates based on disease pressure and total spray volume. Under low disease pressure the minimum application rates can be used. Maximum application rates and shortened spray intervals are recommended during periods of high disease pressure. Use higher water volumes with larger sized crops and higher foliage density in order to achieve thorough coverage. Refer to Dilution Table for recommended rates per total gallon spray. Addition of a spreader/sticker is recommended for optimal results. Do not use spray tank volumes and/or adjuvants that create spray runoff or drip-accumulation at the base of fruit.

FOLIAR APPLICATIONS: Thorough coverage of all foliage, including leaf tissue, stems, fruits or vegetables, is essential for effective disease management or suppression. Do not spray wet foliage. Allow for 12 hours of a dry period so that irrigation or rain do not wash off application. Do not reuse unused spray material. Make up fresh dilution for each new application.

Use adequate sprayer pressure, gallons per acre, nozzles, nozzle spacing, and tractor speed to achieve small droplets or fine mist for best coverage. Consult spray nozzle and accessory catalogues for specific information on proper equipment calibration. 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.

AERIAL APPLICATION: **FUNGINATOR** can be applied by aerial application. Use the appropriate application rate as indicated on the Dilution Table inside this label. To ensure thorough coverage use a minimum spray volume of 10GPA. Reduced spray volumes used in aerial applications may result in reduced disease control.

Do not make application at a height greater than 10 feet above the top of the largest plants. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

Drift potential is lowest between wind speeds of 2–10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather-related factors determines the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

STORAGE AND DISPOSAL

Store in original UV protected containers only. 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.

DILUTION TABLE FOR FOLIAR APPLICATIONS

V/V% TO FLUID OUNCE CONVERSION PER GALLON OF TOTAL SPRAY VOLUME PER ACRE

V/V% Funginator Rate	Disease Pressure	10 Gal Spray	20 Gal Spray	40 Gal Spray	50 Gal Spray	100 Gal Spray
0.25%	Low	3.2 fl oz	6.4 fl oz	12.8 fl oz	16.0 fl oz	32.0 fl oz
0.50%	Low	6.5 fl oz	12.8 fl oz	25.6 fl oz	32.0 fl oz	64.0 fl oz
0.75%	Medium	9.6 fl oz	19.2 fl oz	38.4 fl oz	48.0 fl oz	96.0 fl oz
1.00%	High	12.8 fl oz	25.6 fl oz	51.2 fl oz	64.0 fl oz	128.0 fl oz

Aerial Applications: Apply 24-32 fl oz per acre or 0.19%-0.25% v/v in a minimum of 10 gallons of water. Buffer spray water to pH of 6.0-7.0.

CROP SPECIFIC USE DIRECTIONS

VEGETABLES - GROUPS 1, 3-07, 4-16, 5-16, 9, 8-10

CROP	TARGET DISEASE	DISEASE PRESSURE	USE RATE PER APPLICATION	APPLICATION DIRECTIONS
Fruiting Vegetables Bell pepper, Chili Pepper Eggplant, Tomato, Tomatillo, Okra Root & Tuber Vegetables Artichoke, Beet, Carrot, Ginger, Potato, Radish, Sweet Potato, Turmeric, Turnip, Yam Leafy Vegetables Amaranth, Arugula, Celery, Chard, Cress, Endive Fennel, Lettuce, Parsley, Rhubarb, Spinach Brassica Leafy Vegetables Bok Choy, Broccoli, Brussel Sprout, Cabbage, Cauliflower, Collard Greens, Kale, Mustard Greens, Watercress Cucurbit Vegetables Chayote, Cucumber, Gourd, Melon, Pumpkin, Summer Squash, Winter Squash Bulb Vegetables Chive, Garlic, Leek, Onion, Shallot Legume Vegetables Bean, Chickpea, Lentil, Pea Other Artichoke Asparagus	Alternaria Leaf Blight Anthrasnose Bacterial Leaf Spot Bacterial Blight Bitter Rot Bot Rot Botrytis Gray Mold Brown Rot Downey Mildew Gummy Stern Blight Late Blight Fire Blight Pin Rot Phytophthora Blight Powdery Mildew Sclerotinia Head Leaf Drop/Pink Rot Scab Target Spot Xanthomonas Leaf Spot	Low	0.25% - 0.50% V/V Concentration	Begin application prior to onset of disease and continue on a 7-14 day interval as needed. Use higher rate and shorter interval when disease pressure is high. Use lower rate when used in tank mixes and/or rotations with other bactericide/fungicide products. Applications can be made up to the time of harvest. Addition of a spreader/sticker is recommended.
		Medium	0.75% V/V Concentration	
		High	1.00% V/V Concentration	

FRUITS - GROUPS 10-10, 11-10, 12-12, 13-07, 14-12, 23, 24

CROP	TARGET DISEASE	DISEASE PRESSURE	USE RATE PER APPLICATION	APPLICATION DIRECTIONS
Tree Nuts Almond, Beechnut, Brazil Nut, Cashew, Chestnut, Hazelnut, Macadamia Nut, Pecan, Pine Nut, Pistachio, Walnut Stone Fruits Apricot, Capulin, Cherry, Nectarine, Olives, Peach, Plum Pome Fruits Apple, Crabapple, Loquat, Pear, Quince Citrus Fruits Citron, Grapefruit, Kumquat, Lemon, Lime, Orange, Pummelo, Mandarin, Tangerine Berry and Small Fruits Bayberry, blackberry, Blueberry, Cranberry, Currant, Gooseberry, Huckleberry, Mulberry, Raspberry, Strawberry Tropical Fruits Avocado, Banana, Coconut, Guava, Jackfruit, Lychee, Pineapple, Passionfruit, Papaya, Mango Vines Grapes, Kiwi, Hops	Alternaria Leaf Blight Anthracnose Bacterial Canker Crown Rot Blossom Blight/Brown Rot Black Rot Botryosphaeria Blight Botrytis Gray Mold Brown Rot Bullseye Rot Bunch Rot Charcoal Rot Cherry Leaf Spot Downey Mildew Fire Blight Greasy Spot Melanose Mummy Berry Neopestilotiopsis Pecan Scab Phomopsis Phytophthora Blight Post Bloom Fruit Drop Powdery Mildew Purple Blotch Ripe Rot Rusty Spot Scab Shot Hole Sour Rot Spur Blight Yellow Rust Xanthomonas Leaf Spot	Low	0.25% - 0.50% V/V Concentration	Begin application prior to onset of disease and continue on a 7-14 day interval as needed. Use higher rate and shorter interval when disease pressure is high.
		Medium	0.75% V/V Concentration	Use lower rate when used in tank mixes and/or rotations with other bactericide/fungicide products. Applications can be made up to the time of harvest. Addition of a spreader/sticker is recommended.
		High	1.00% V/V Concentration	

HERBS, SPICES, & ORNAMENTALS - GROUP 19

CROP	TARGET DISEASE	DISEASE PRESSURE	USE RATE PER APPLICATION	APPLICATION DIRECTIONS
Herbs & Spices Anise, Annatto, Lemon Balm, Basil, Chamomile, Caper Buds, Catnip, Celery Seed, Chive, Cinnamon, Clover Buds, Coriander Leaf, Cilantro, Cumin, Curry, Dill, Fennel, Marigold, Marjoram, Mint, Mustard, Nutmeg, Parsley, Pepper, Poppy, Rosemary, Saffron, Sage, Tarragon, Thyme, Vanilla, Wintergreen All types of Ornamental Trees, Shrubs, Flowers, Bedding Plants, Greenhouse, & Other Ornamentals	Alternaria Leaf Blight Anthracnose Bacterial Leaf Spot Botrytis Gray Mold Brown Rot Downy Mildew Pestalotia Leaf Spot Powdery Mildew Pseudomonas Blight	Low	0.25% - 0.50% V/V Concentration	Begin application prior to onset of disease and continue on a 7-14 day interval as needed. Use higher rate and shorter interval when disease pressure is high.
		Medium	0.75% V/V Concentration	Use lower rate when used in tank mixes and/or rotations with other bactericide/fungicide products.
		High	1.00% V/V Concentration	Applications can be made up to the time of harvest. Addition of a spreader/sticker is recommended.

FIELD & OILSEED CROPS - GROUPS 15-22, 17, 20				
CROP	TARGET DISEASE	DISEASE PRESSURE	USE RATE PER APPLICATION	APPLICATION DIRECTIONS
Row Crops Alfalfa, Barely, Buckwheat, Clover, Cotton, Corn, Hemp, Millet, Oats, Peanut, Rice, Rye, Soybeans. Sorghum, Sugarcane, Wheat, Wild Rice Grasses Bluegrass, Bromegrass, Fescue, Ryegrass, Switchgrass Oilseed Crops (except Cotton & Peanut) Castor Oil, Chinese Tallowtree, Crambe, Echium, Evening Primrose, Flax seed, Jojoba, Milkweed, Mustard Seed, Poppy Seed, Rapeseed, Rose Hip, Safflower, Sesame, Sunflower, Tallowood, Tea Oil Plant, Vernonia	Alternaria Leaf Blight, Anthrasnose Bacterial Blight Bacterial Leaf Spot Bacterial Stalk Rot Black Spot Botrytis Gray Mold Brown Blight Brown Rot Brown Patch Cercospora Leaf Spot Dollar Spot Downey Mildew Ergot Fusarium Head Blight Leaf Spot Phythium Blight Powdery Mildew Rhizoctonia Aerial Blight Web Blight Rust Septoria Leaf Spot Southern Blight/Stem Rot Target Spot White Mold	Low	0.25% - 0.50% V/V Concentration	Begin application prior to onset of disease and continue on a 7-14 day interval as needed. Use higher rate and shorter interval when disease pressure is high.
		Medium	0.75% V/V Concentration	Use lower rate when used in tank mixes and/or rotations with other bactericide/fungicide products. Applications can be made up to the time of harvest.
		High	1.00% V/V Concentration	Addition of a spreader/sticker is recommended.

CONDITIONS & LIABILITIES

Farmers Fertilizer & Supply, Inc. (Seller) warrants that the chemical composition of this product conforms to the chemical description given on this label. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE. No one is authorized to make any other warranty, guarantee or directions concerning this product, and no such warranties, guarantees or directions shall be valid or binding upon Seller. Timing, rate and method of application, weather and crop conditions, mixtures with chemicals not specifically recommended on this label or an accompanying written recommendation, are beyond the control of Seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. In no case shall Seller be liable for consequential, special, indirect, or incidental damages or losses resulting from the handling or use of this product. The foregoing is a condition of sale by Seller and is accepted as such by the buyer. Buyer further agrees in the event of damages arising from the use of this product to accept a replacement of the product or a refund of the purchase price of the product, at buyer's option, as full discharge of Seller's liability.