

# FUNGOUT®

## FUNGICIDE AND BACTERICIDE CONCENTRATE

FOR OUTDOOR FOOD, NON-FOOD AND GREENHOUSE USES



**Active ingredient:** Citric acid.....1.07%  
**Inert ingredients:** Water, lactose, ethyl lactate, potassium sorbate,  
sodium benzoate, sodium acetate.....98.93%  
**Total:**.....100.00%

NET CONTENTS:

**2.5 Gallons**

Batch:

This product has not been registered by the United States Environmental Protection Agency. AEF Global Inc. represents that this product qualifies for exemption from registration under the Federal Insecticide, Fungicide and Rodenticide Act.

**CAUTION / KEEP OUT OF REACH OF CHILDREN / READ THE LABEL BEFORE USING**  
See booklet for additional Precautionary Statements

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## FIRST AID

If eye or skin contact occurs, immediately flush eye or rinse skin with plenty of water. If swallowed, rinse mouth with clean water. Call a Poison Control Center or doctor for treatment advice.

## PRECAUTIONARY STATEMENTS

**CAUTION.** May cause eye and skin irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, eye goggles and shoes plus socks. Keep and wash PPE separately from other laundry. Wash with detergent and hot water.

## DIRECTIONS FOR USE

Shake well before use. Apply as a foliar treatment for crops and at the application rates listed below (up to a maximum of 1.2 gallons of FUNGOUT per acre per spray). For maximum effectiveness, apply FUNGOUT when conditions are conducive to disease development, or at the early stages of disease development. Use a combination of spray volume and pressure to obtain an excellent coverage of both sides of the leaf. The addition of a spreader may improve coverage quality. For some diseases, it is best not to spray when significant rainfall is expected within 24 hrs to benefit the residual activity of the product. For greenhouse crops, rates were determined assuming the use of a hydraulic sprayer. The use of an ultra-low volume sprayer has not been evaluated. The product can leave a white or shiny hydrosoluble residue on plants; the use of a silicone-based surfactant at the rate of 2 fl oz per 100 gallons greatly reduces the presence of residues. A limited number of surfactants were tested (alcohol ethoxylate, alkanolamide and silicone-based), it is however

recommended to evaluate the compatibility of each surfactant on a small group of representative plants before applying to a large number of plants. In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. For further information, contact AEF Global inc. technical services at [servtechserv@aefglobal.com](mailto:servtechserv@aefglobal.com). Do not mix with alkaline products. This product contains weak acid and could react with products containing significant amounts of carbonates. It is not recommended to tank mix FUNGOUT with copper-based products unless you have conducted a small scale phytotox test. AEF Global inc. recommends conducting a jar test with any product mixes before any tank mix.

**Restricted Entry Interval:** After a FUNGOUT application, you may reenter the area when the product is dry or after 4 hours. **Pre-Harvest Interval:** FUNGOUT can be applied up to and including the day of harvest.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Keep at room temperature, away from direct sun. Keep from freezing. Store in original container out of reach of children.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Handling:** Nonrefillable container: Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into the application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after flow begins to drip. Repeat this procedure two more times. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## WARRANTY

To the extent consistent with applicable law, seller makes no warranty, express or implied, of merchantability, fitness or otherwise concerning the use of this product other than as indicated on the label. User assumes all risks of use, storage or handling not in strict accordance with accompanying directions.

## APPLICATION RATES

Crop	Disease	Rate <sup>1</sup> (% v/v)	Interval of application
<b>Crop groups 11 and 12 Pome and Stone Fruits such as: Apples, Pears, Quince, Prunes, Apricots, Cherries, Nectarines, Peaches, Plums</b>	Powdery mildew ( <i>Podosphaera leucotricha</i> , <i>Podosphaera clandestina</i> ) Apple scab ( <i>Venturia inaequalis</i> )	1.2% v/v	5 – 10 days
	Fire blight ( <i>Erwinia amylovora</i> )	1.4% v/v	2 – 3 days
	Black rot ( <i>Diplodia seriata</i> syn. <i>Botryosphaeria obtusa</i> )	1.4% v/v	5 – 10 days
	Bitter rot ( <i>Colletotrichum acutatum</i> )	1.2% v/v	10 – 14 days
<b>Grapes (wine grapes)</b>	Powdery mildew ( <i>Erysiphe necator</i> )	2.0% v/v	5 – 10 days
<b>Blueberry</b>	Anthracnose ( <i>Colletotrichum gloeosporioides</i> , <i>C. acutatum</i> )	1.4% v/v	5 – 10 days
<b>Field Cucurbits Crop Group 9 (such as: melon, squashes, pumpkins and cucumbers)</b>	Powdery mildew ( <i>Podosphaera fusca</i> ; <i>Erysiphe cichoracearum</i> , syn. <i>Golovinomyces cichoracearum</i> )	2.0% v/v	5 – 10 days
<b>Field Tomatoes</b>	Bacterial canker ( <i>Clavibacter michiganensis</i> )	2.0% v/v	5 – 10 days
	Powdery mildew ( <i>Oidium neolycopersici</i> )	1.2 to 1.6% v/v	7 – 10 days

<b>Crop</b>	<b>Disease</b>	<b>Rate<sup>1</sup> (% v/v)</b>	<b>Interval of application</b>
<b>Spinach (Organic)</b>	Downy mildew ( <i>Peronospora farinosa</i> )	2.0% v/v	5 – 10 days
<b>Hops</b>	Powdery mildew ( <i>Podosphaera macularis</i> )	1.2% v/v	5 – 10 days
	Downy mildew ( <i>Pseudoperonospora humuli</i> )	2.0% v/v	5 – 10 days
<b>Citrus Fruits Crop group 10-10 such as: Oranges, Lemons, Limes, Grapefruit</b>	Bacterial canker ( <i>Xanthomonas spp.</i> )	2.0% v/v	5 – 10 days
<b>Tobacco</b>	Target spot ( <i>Rhizoctonia solani</i> )	2.0% v/v	7 – 10 days
<b>Greenhouse Tomatoes</b>	Bacterial canker ( <i>Clavibacter michiganensis</i> )	2.0% v/v	5 – 10 days
	Powdery mildew ( <i>Oidium neolycopersici</i> )	1.2 to 1.6% v/v	7 – 10 days
<b>Greenhouse Cucurbits Crop Group 9 (such as cucumbers)</b>	Powdery mildew ( <i>Podosphaera fusca</i> ; <i>Erysiphe cichoracearum</i> , <i>syn.</i> <i>Golovinomyces cichoracearum</i> )	2.0% v/v	7 – 10 days
<b>Greenhouse and outdoor ornamentals (including cut flowers)</b>	Powdery mildew ( <i>Podosphaera fusca</i> ; <i>Erysiphe cichoracearum</i> , <i>oidium sp.</i> <i>Sawadaea sp.</i> )	1.2 to 1.6% v/v	7 – 10 days
<b>Greenhouse and outdoor roses</b>	Black spot ( <i>Diplocarpon rosae</i> ) Powdery mildew ( <i>Podosphaera pannosa</i> )	1.2 to 1.6% v/v	5 – 10 days
<b>Greenhouse and field leafy vegetables Crop group 4 such as: Celery, head lettuce and leaf lettuce</b>	Powdery mildew ( <i>Erysiphe spp.</i> , <i>Podosphaera fuliginea</i> , <i>syn. Sphaerotheca fuliginea</i> )	1.2 to 1.6% v/v	7 – 10 days

Crop	Disease	Rate <sup>1</sup> (% v/v)	Interval of application
Hemp and Indoor and outdoor medical and recreational cannabis (marijuana) <sup>2</sup>	Powdery mildew ( <i>Sphaerotheca macularis</i> , <i>Erysiphe cichoracearum</i> , syn. <i>Golovinomyces cichoracearum</i> ) Septoria Leaf Spot ( <i>Septoria cannabis</i> )	1.2 to 1.6% v/v	7 – 10 days

<sup>1</sup> Please refer to dilution table rate for the proper rate in gallons per acre.

<sup>2</sup> AEF Global does not support, encourage or promote the use of its products or services in connection with an illegal use, cultivation or trade of cannabis or cannabis products. AEF Global products are intended to be used for cannabis related purposes only in compliance with all applicable laws in a manner that promotes public safety and/or in connection with federally approved research or state approved medical research.

## DILUTION TABLE PER ACRE

Rate	Spray volume		
	25 gpa <sup>1</sup>	50 gpa	100 gpa
1.2%	0.3 gal	0.6 gal	1.2 gal <sup>2</sup>
1.4%	0.4 gal	0.7 gal	1.2 gal <sup>2</sup>
1.6%	0.4 gal	0.8 gal	1.2 gal <sup>2</sup>
2.0%	0.5 gal	1.0 gal	1.2 gal <sup>2</sup>

<sup>1</sup> Gallons Per Acre

<sup>2</sup> If you are using more than 60 gallons per acre of spray volume water per application, use a maximum of 1.2 gallon of FUNGOUT per acre per spray.



