

54705-10

11/02/2005 USEPA MASTER LABEL - BI-CARB OLD FASHIONED FUNGICIDE

# MASTER LABEL



# BI-CARB OLD FASHIONED FUNGICIDE

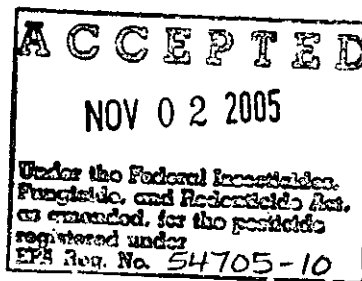
## Potassium Bicarbonate Soluble Powder

Active Ingredient:	
Potassium bicarbonate .....	82.0% ✓
Other Ingredients: .....	18.0%
Total: .....	100.0%

Sublabel A - Commercial/Agricultural Uses (Subject to Worker Protection Standard)

Sublabel B - Non-commercial/Residential Uses (Not Subject to Worker Protection Standard)

EPA Reg. No. 54705-10



Manufactured For:  
**LAWN AND GARDEN PRODUCTS, INC.**  
P.O. Box 35000 • Fresno, CA 93745 • (559) 499-2100  
www.montereylawngarden.com

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**SUBLABEL A — COMMERCIAL/AGRICULTURAL USE SECTION**

# BI-CARB



## OLD FASHIONED FUNGICIDE

Potassium Bicarbonate Soluble Powder



Active Ingredient:	Potassium bicarbonate	82.0%
Other Ingredients:		18.0%
Total:		100.0%

EPA Reg. No. 54705-10

EPA Est. No. 17545-CA-2

NET WEIGHT: 5 Lbs./2.27 kg

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**LAWN AND GARDEN PRODUCTS, INC.**  
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**KEEP OUT OF REACH OF CHILDREN  
 CAUTION**

FIRST AID	
IF SWALLOWED:	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
IF IN EYES:	<ul style="list-style-type: none"> <li>• 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 eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
IF INHALED:	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center at (800) 858-7378 for emergency medical treatment information.	

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed, absorbed through skin, or inhaled. Avoid contact with skin, eyes, or clothing. Avoid breathing dust or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

**Personal Protective Equipment (PPE):**

Applicators and other handler must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**User Safety Recommendations**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

**NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep children and domestic animals out of the treated area until sprays have dried.

**MODE OF ACTION:**

BI-CARB OLD FASHIONED FUNGICIDE is a fungicide containing microencapsulated potassium bicarbonate as the active ingredient. BI-CARB OLD FASHIONED FUNGICIDE is a contact fungicide, so direct contact with the fungus organism is required for control. BI-CARB OLD FASHIONED FUNGICIDE disrupts the potassium ion balance in the fungus cell, causing the cell walls to collapse.

**CHEMIGATION:**

Do not apply this product through any type of irrigation system.

**APPLICATION:**

Apply by ground equipment only in sufficient water [8.3 gallons per 14,520 sq. ft. (25 gallons per acre) minimum] to ensure complete and thorough coverage of foliage and/or crop. Contact of the disease organisms is essential for control. Use a non-acidifying spreader/sticker. A non-phytotoxic crop oil may also be used.

**MIXING:** Pour appropriate amount into spray tank partially filled with water. Add BI-CARB OLD FASHIONED FUNGICIDE slowly to tank while hydraulic or mechanical agitation is operating and continue filling with water. Add the spreader/sticker and/or other products last. DO NOT allow mixture to stand. Use within 24 hours as BI-CARB OLD FASHIONED FUNGICIDE may lose its activity if left in the tank.

**COMPATIBILITY:** BI-CARB OLD FASHIONED FUNGICIDE is compatible with most crop protection products and nutrients. However, do not mix it with highly acidic products as the effectiveness of BI-CARB OLD FASHIONED FUNGICIDE may be compromised. Use of a buffering agent for acidification of a mixture may also decrease the effectiveness of BI-CARB OLD FASHIONED FUNGICIDE. If compatibility is in question, use the compatibility jar test before mixing a whole tank. Because of the wide variety of possible combinations that can be encountered, observe all precautions and limitations on the label of all products used in mixtures.

**TIMING:** Begin application at first sign of disease. Repeat applications as new growth or infection occurs or as favorable disease conditions continue. Use in an Integrated Pest Management rotation program at 7-10 day intervals with other effective fungicides for resistance management. BI-CARB OLD FASHIONED FUNGICIDE may be applied up to the day before harvest (PHI = 1 day) for all labeled crops except roses, turf, ornamentals and tobacco. The PHI for roses, turf and ornamentals is 4 hours; the PHI for tobacco is 10 days. BI-CARB OLD FASHIONED FUNGICIDE may also be applied post-harvest to remaining foliage to decrease overwintering inoculum.

**USES:** For the control of powdery mildew, use BI-CARB OLD FASHIONED FUNGICIDE as indicated on the following crops. Use the higher rate when disease pressure increases or a severe infection has occurred.

CROPS	RATE
Root and tuber vegetables, such as beet (garden, sugar), carrot	13 oz - 1 lb/14,520 sq. ft. (1/3 acre)**
Bulb vegetables, such as onions (dry bulb, green), garlic, leeks, shallots	13 oz - 1 lb/14,520 sq. ft. (1/3 acre)
Leafy vegetables, such as endive, head and leaf lettuce, radicchio, spinach, Swiss chard	13 oz - 1 lb/14,520 sq. ft. (1/3 acre)
Cole crops, such as broccoli, Brussels sprouts, cabbage, cauliflower	13 oz - 1 lb/14,520 sq. ft. (1/3 acre)
Legume vegetables (succulent or dried), such as bean (snap, green), pea (edible-pod, field, green, snow)	13 oz - 1 lb/14,520 sq. ft. (1/3 acre)
Fruting vegetables, such as eggplants, pepper (bell, chili, pimento), tomatillo, tomato	13 oz - 1 lb/14,520 sq. ft. (1/3 acre)
Cucurbits, such as cucumber, cantaloupe, casaba, honeydew melon, pumpkin, summer squash (crookneck, zucchini), winter squash (butternut, acorn), watermelon	13 oz - 1 lb/14,520 sq. ft. (1/3 acre)
Pome fruits, such as apple, pear, quince	13 oz - 1 lb/14,520 sq. ft. (1/3 acre)
Stone fruits, such as apricot, cherry, nectarine, peach, plum, prune	13 oz - 1 lb/14,520 sq. ft. (1/3 acre)
Grapes (wine, fresh market, raisin)	13 oz - 1 lb/14,520 sq. ft. (1/3 acre)
Small fruits and berries, such as blackberry, blueberry, currant, loganberry, raspberry, strawberry	13 oz - 1 lb/14,520 sq. ft. (1/3 acre)
Subtropical fruits, such as banana, date, mango, papaya, pineapple	13 oz - 1 lb/14,520 sq. ft. (1/3 acre)
Cereal grains, such as barley, wheat	13 oz - 1 lb/14,520 sq. ft. (1/3 acre)
Herbs and spices, such as basil, chives, coriander (cilantro), dill, oregano, parsley, thyme	13 oz - 1 lb/14,520 sq. ft. (1/3 acre)
Hops	13 oz - 1 lb/14,520 sq. ft. (1/3 acre)
Additional crops: mint (peppermint, spearmint), tobacco	13 oz - 1 lb/14,520 sq. ft. (1/3 acre)
Ornamentals - field and greenhouses, such as bare root, container, bedding and flowering stock, field grown cut flowers, vegetable transplants, nursery and landscape, potted flowering, shade and flowering trees, woody ornamentals*	1 oz - 1 lb/14,520 sq. ft. (1/3 acre) or 1 oz - 1 lb/33 gal. water/14,520 sq. ft. hand held applications
Roses (field and greenhouse)	1 oz - 1 lb/14,520 sq. ft. (1/3 acre) or 1 oz - 1 lb/33 gal. water/14,520 sq. ft. handheld applications
Turf (ornamental lawns, golf courses, sod farms)	13 oz - 1 lb/14,520 sq. ft. (1/3 acre) or 1 lb/33 gal. water/14,520 sq. ft. hand held equipment

**NOTES TO USER:**

\* Unintentional consequences such as plant injury may result due to certain environmental or growing conditions, manner of use of application. Because plant tolerance of pesticides varies as conditions vary, treating a few plants under conditions expected to be encountered and observing for plant damage prior to full-scale application to large numbers of plants will avoid any unintentional consequences.

\*\* 43,560 sq. ft. = 1 acre

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store in a cool, dry place inaccessible to 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 DISPOSAL:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill, or by incineration or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**NOTICE TO BUYER**

Seller warrants that this product conforms to the chemical description on this label and is reasonably fit for purposes stated on this label only when used in accordance with directions under normal use conditions. This warranty does not extend to use of this product contrary to label directions, or under abnormal use conditions, or under conditions not reasonably foreseeable to seller. Seller makes no other warranties, either express or implied.

**SUBLABEL B — NON-COMMERCIAL/RESIDENTIAL USE SECTION**

**BI-CARB**  
**OLD FASHIONED FUNGICIDE**  
 Potassium Bicarbonate Soluble Powder



- Controls and Eradicates Powdery Mildew
- Use on Roses, Vegetables, Grapes, Fruit Trees and Ornamentals

For Residential Use



Active Ingredient:		
Potassium bicarbonate .....		82.0%
Other Ingredients: .....		18.0%
Total: .....		100.0%

EPA Reg. No. 54705-10

EPA Est. No. 17545-CA-2

NET WEIGHT: 4 Oz. / 113.4 kg ✓

Manufactured For:

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[www.montereylawngarden.com](http://www.montereylawngarden.com)

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

FIRST AID	
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• 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 eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN: OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center at (800) 858-7378 for emergency medical treatment information.	

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Harmful if swallowed, absorbed through skin, or inhaled. Avoid contact with skin, eyes, or clothing. Avoid breathing dust or spray mist. Wear long-sleeved shirt and long pants, waterproof gloves and shoes plus socks. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. Keep all persons, children and pets out of treated area until sprays have dried.

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**ENVIRONMENTAL HAZARDS**

Do not apply directly to water. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. READ ENTIRE LABEL BEFORE USING THIS PRODUCT.

**MODE OF ACTION:**

BI-CARB OLD FASHIONED FUNGICIDE is a fungicide containing microencapsulated potassium bicarbonate as the active ingredient. BI-CARB OLD FASHIONED FUNGICIDE is a contact fungicide, so direct contact with the fungus organism is required for control. BI-CARB OLD FASHIONED FUNGICIDE disrupts the potassium ion balance in the fungus cell, causing the cell walls to collapse.

**APPLICATION DIRECTIONS:**

For residential use. Apply with a hand-held sprayer making sure to spray foliage thoroughly. Contact of the disease organisms is essential for control. Use a non-acidifying spreader/sticker such as Monterey - Nature's Own Spray Helper. In addition, users can also use a non-phytotoxic crop oil.

**RATE:** Mix 4 teaspoons of BI-CARB OLD FASHIONED FUNGICIDE in 2 gallons of water to thoroughly cover foliage. For LAWN applications, mix 4 teaspoons of BI-CARB OLD FASHIONED FUNGICIDE in 2 gallons of water to cover 1,000 square feet.

**MIXING:** Fill the spray tank 1/2 full with the required amount of water; add BI-CARB OLD FASHIONED FUNGICIDE slowly; then, continue filling with balance of water. Add the spreader/sticker and/or other products last. DO NOT allow mixture to stand. Use within 24 hours as BI-CARB OLD FASHIONED FUNGICIDE may lose its activity if left in the tank.

**COMPATIBILITY:** BI-CARB OLD FASHIONED FUNGICIDE is compatible with most crop protection products and nutrients. However, do not mix it with highly acidic products as the effectiveness of BI-CARB OLD FASHIONED FUNGICIDE may be compromised. Use of a buffering agent for acidification of a mixture can decrease the effectiveness of BI-CARB OLD FASHIONED FUNGICIDE. If compatibility is in question, use the compatibility jar test before mixing a whole tank. Because of the wide variety of possible combinations that can be encountered, observe all precautions and limitations on the label of all products used in mixtures.

**TIMING:** Begin application at first sign of disease. Repeat applications as new growth or infection occurs or as favorable disease conditions continue. Use in an Integrated Pest Management rotation program at 7-10 day intervals with other effective fungicides for resistance management. Apply BI-CARB OLD FASHIONED FUNGICIDE up to the day before harvest for all labeled uses. For post-harvest, apply BI-CARB OLD FASHIONED FUNGICIDE to remaining foliage to decrease overwintering inoculum.

**USES:** For the control of powdery mildew, use BI-CARB OLD FASHIONED FUNGICIDE as indicated on the following:

<b>FRUITS</b> GRAPES POME FRUITS such as apple, pear, quince SMALL FRUITS and BERRIES such as blackberry, blueberry, currant, loganberry, raspberry, strawberry STONE FRUITS such as apricot, cherry, nectarine, peach, plum, prune SUBTROPICAL FRUITS such as banana, date, mango, papaya, pineapple
HERBS and SPICES such as basil, chives, coriander (cilantro), dill, oregano, parsley, thyme
<b>LAWNS</b>
*ORNAMENTALS (Indoors, Outdoors or Home Greenhouses) such as ornamental trees and shrubs, woody (vines) shrubs, flower and foliage plants
<b>ROSES (Indoors, Outdoors or Home Greenhouses)</b>
<b>VEGETABLES</b> BULB VEGETABLES such as onions, garlic, leeks, shallots COLE CROPS such as broccoli, Brussels sprouts, cabbage, cauliflower CUCURBITS such as cucumber, cantaloupe, casaba, honeydew melon, pumpkin, summer squash, winter squash, watermelon FRUITING VEGETABLES such as eggplant, pepper, tomatillo, tomato LEAFY VEGETABLES such as endive, head and leaf lettuce, radicchio, spinach, Swiss chard LEGUME VEGETABLES (succulent or dried) such as bean, pea ROOT and TUBER VEGETABLES such as beet, carrot

\* NOTE TO USER: Unintentional consequences such as plant injury may result due to certain environmental or growing conditions, manner of use of application. Because plant tolerance of pesticides varies as conditions vary, treating a few plants under conditions expected to be encountered and observing for plant damage prior to full-scale application to large numbers of plants will avoid any unintentional consequences.

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### STORAGE AND DISPOSAL

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

**STORAGE:** To be stored in original container and placed in an area inaccessible to children and pets.

**DISPOSAL INSTRUCTIONS:** **If empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If partially filled:** Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

### NOTICE TO BUYER

Seller warrants that this product conforms to the chemical description on this label and is reasonably fit for purposes stated on this label only when used in accordance with directions under normal use conditions. This warranty does not extend to use of this product contrary to label directions, or under abnormal use conditions, or under conditions not reasonably foreseeable to seller. Seller makes no other warranties, either express or implied.