

54705-10

12-17-2002

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:

54705-10

Date of Issuance:

12/17/02

Term of Issuance:

Unconditional

Name of Pesticide Product:

Bi-Carb Old Fashion
Fungicide

NOTICE OF PESTICIDE:

x Registration

 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Lawn and Garden Products, Inc
c/o Lynne Zahigian Regulatory Consulting
6650 Wade Lane
Stagecoach, NV 89429-8443

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA sec. 3(c) (5) or provided that you:

1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label change before you release the product for shipment:
Revise the EPA Registration Number to read, "EPA Reg. No. 54705-10.

Signature of Approving Official:

JyH see next page

(See second page for signature)

Date:

12/17/02

EPA Form 8570-6

CONCURRENCES

SYMBOL	SURNAME	DATE					
75119	<i>Downing</i>	12/17/02	12-6-02	12/11/02			

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3. Submit five (5) copies of the final printed labeling for the record before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely,


Janet L. Andersen, Ph.D., Director
Biopesticides and Pollution
Prevention Division

Enclosure

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ACCEPT
 DEC 17 2002
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 54705-10



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- EPA Est. No. 48498-CA-1

NET WEIGHT: _____

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

KEEP OUT OF REACH OF CHILDREN
CAUTION

FIRST AID	
IF SWALLOWED:	<ul style="list-style-type: none"> • Call poison control center or doctor 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 a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF ON SKIN:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
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. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

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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 (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.

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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	2½ - 3 lbs/A
Bulb vegetables, such as onions (dry bulb, green), garlic, leeks, shallots	2½ - 3 lbs/A
Leafy vegetables, such as endive, head and leaf lettuce, radicchio, spinach, Swiss chard	2½ - 3 lbs/A
Cole crops, such as broccoli, Brussels sprouts, cabbage, cauliflower	2½ - 3 lbs/A
Legume vegetables (succulent or dried), such as bean (snap, green), pea (edible-pod, field, green, snow)	2½ - 3 lbs/A
Fruiting vegetables, such as eggplants, pepper (bell, chili, pimento), tomatillo, tomato	2½ - 3 lbs/A
Cucurbits, such as cucumber, cantaloupe, casaba, honeydew melon, pumpkin, summer squash (crookneck, zucchini), winter squash (butternut, acorn), watermelon	2½ - 3 lbs/A
Pome fruits, such as apple, pear, quince	2½ - 3 lbs/A
Stone fruits, such as apricot, cherry, nectarine, peach, plum, prune	2½ - 3 lbs/A
Grapes (wine, fresh market, raisin)	2½ - 3 lbs/A
Small fruits and berries, such as blackberry, blueberry, currant, loganberry, raspberry, strawberry	2½ - 3 lbs/A
Subtropical fruits, such as banana, date, mango, papaya, pineapple	2½ - 3 lbs/A
Cereal grains, such as barley, wheat	2½ - 3 lbs/A
Herbs and spices, such as basil, chives, conander (cilantro), dill, oregano, parsley, thyme	2½ - 3 lbs/A
Hops	2½ - 3 lbs/A
Additional crops: mint (peppermint, spearmint), tobacco	2½ - 3 lbs/A
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 - 3 lbs/A or 1 - 3 lbs/100 gal. water/A hand held applications
Roses (field and greenhouse)	1 - 3 lbs/A or 1-3 lbs/100 gal. water/A handheld applications
Turf (ornamental lawns, golf courses, sod farms)	2½ - 3 lbs/A or 3 lbs. 100 gal. water/A hand held equipment

* 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.

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. Buyer assumes all risk of any such use. Seller makes no other warranties, either express or implied.

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