

DEC 6 1991

James A. Armbruster, Ph.D.
PBI Gordon Corporation
P.O. Box 4090
Kansas City, MO 64101

Dear Dr. Armbruster:

Subject: Revised Labeling
Gordon's Bordeaux Mixture
EPA Registration No. 2217-613
Your Submission Dated November 20, 1991

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

a. Update the Environmental Hazards Statement to read:

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

b. You may delete the endanger species Restrictions. The PR Notices that required these statements have been rescinded.

c. In the Pesticide Disposal Section correct the spelling of "securely".

2. Submit one (1) copy of your final printed labeling before you release the product for shipment.

276

-2-

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

Sincerely yours,

Cynthia Giles-Parker

Cynthia Giles-Parker
Product Manger (22)
Fungicide Herbicide Branch
Registration Division (H7505C)

Enclosure

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386

AFTER TEXT

GORDON'S BORDEAUX MIXTURE

BROAD-SPECTRUM FUNGICIDE

For Disease Control on EVERGREENS, SHRUBS,
SHADE TREES, PEONIES, FLOWERS AND FRUIT TREES.

Active Ingredient:

Copper, expressed as metallic, (In the form of Bordeaux Mixture)	13.3%
INERT INGREDIENTS.	<u>86.7%</u>
Total	100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT:

IF IN EYES: In case of eye contact, immediately flush eyes with plenty of water for 15 minutes. Call a physician at once.

IF ON SKIN: Wash promptly with soap and water. Rinse thoroughly. If irritation develops, get medical attention.

IF SWALLOWED: Drink promptly a large quantity of milk, egg white, gelatin solution, or, if these are not available, large quantities of water. Avoid alcohol.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate use of gastric lavage.

See back panel for additional precautionary statements.

NET WEIGHT 4 POUNDS

ACCEPTED
with COMMENTS
In EPA Letter Dated:

DEC 6 1991

531/1191 AP112091
EPA REG NO 2217-613
EPA EST NO:2217-KS-1

Distributed by: ACME DIVISION:
PBI/GORDON CORPORATION
KANSAS CITY, KANSAS 66118

U.S. Environmental Protection Agency
Office of Pesticide Programs
Registration Division
Washington, D.C. 20460
2217-613

496

STOP! READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals:

DANGER: Corrosive, causes eye and skin damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful if swallowed. May cause skin sensitization in certain individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic organisms. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites. Do not contaminate water by cleaning of equipment or disposal of wastes.

ENDANGERED SPECIES RESTRICTIONS: It is a violation of Federal Laws to use any pesticide in a manner that results in the death of an endangered species or adverse modification of their habitat.

The use of this product may pose a hazard to certain Federally designated endangered species known to occur in specific areas within the following counties:

<u>STATE</u> <u>SPECIES</u> <u>(BULLETIN NO.)</u>	<u>COUNTY</u>
California Solano Grass (EPA/ES-85-13)	Solano
Tennessee Slackwater Darter (EPA/ES-85-04)	Lawrence Wayne Hancock
Freshwater Mussels (EPA/ES-85-07)	Clairborne Hawkins Sullivan
Alabama Slackwater Darter (EPA/ES-85-05)	Lauderdale Limestone Madison
Virginia Freshwater Mussels (EPA/ES-85-06)	Grayson Smyth Scott Lee Washington

Can Delete

Before using this product in the above counties, you must obtain the EPA Bulletin specific to your area. This Bulletin identifies areas within these counties where the use of this pesticide is prohibited, unless specified otherwise. The EPA Bulletin is available from either your County Agricultural Extension Agent, the Endangered Species Specialist in your State Wildlife Agency Headquarters, or the appropriate Regional Office of the U.S. Fish and Wildlife Service. **This Bulletin Must Be Reviewed Prior to Pesticide Use.**

596

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 through any type of irrigation system.

STORAGE & DISPOSAL

STORAGE: Store in original container in a locked storage area inaccessible to children and pets. Keep bag tightly closed by rolling from top and taping or clipping.

PESTICIDE DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Do not reuse bag. Discard in trash.

DIRECTIONS

(8-8-100 IS SAME AS 4-4-50)

Disease controls a matter of prevention. Application should be made beforehand or as soon as first signs of disease appear.

JUNIPER, CEDAR, CYPRESS, ARBORVITAE, SPRUCE, PINE, YEW: For needle case, sphaeropsis blight, twig blight, coryneum blight, apply fall and spring using 8 tablespoons/gallon. Spray cedar and junipers July-August for cedar apple rust.

SYCAMORES, LINDEN, MAPLE, OAK, TULIP TREE, ELM: Control of anthracnose, leaf spot and elm leaf curl, use 8 tablespoons/gallon as leaves uncurl in spring. Repeat in 2 to 3 weeks.

IVY: Leaf spot, use 6 tablespoons/gallon in spring. Repeat in 14 days or at first sign of disease.

LAUREL, LILAC, RHODODENDRON: Leaf spots and blight, use 4 tablespoons/gallon in early spring. Again after blooms.

DOGWOOD, BOXWOOD, CAMELLIAS: Dieback, leaf spot and necrotic canker, use 8 tablespoons/gallon as growth starts in early spring.

DAHLIAS, TULIPS, GLADIOLUS, LILIES AND IRIS: For Leaf spot and botrytis blight (gray mold), use 6 tablespoons/gallon in early spring. Repeat in 7 to 10 days.

PEONY: Leaf blotch, botrytis blight (gray mold), use 6 tablespoons/gallon. Spray before shoots are one foot tall, repeat in two weeks. If any sign of bud blast, spray again. Remove wilted shoots by cutting below ground. Place in paper bag and burn. Remove old stalks and leaves in fall and burn - do not compost.

- FOOD CROPS -

APPLES: To control late scab, black rot, bitter rot and blotch, use 8 tablespoons/gallon plus 8 tablespoons of hydrated lime. May russet certain varieties.

PEARS: Fire blight, use 4 tablespoons/gallon in full bloom. Do not add insecticides.

APRICOTS, PLUMS, SOUR CHERRIES: Brown rot and leaf spot, use 4 tablespoons per gallon plus equal amount of lime. Do not use on Japanese plums. Use at shuck split stage and in first and second cover sprays.

PEACH: Leaf curl, use 12 tablespoons/gallon in early spring. Repeat in late fall after leaf drop.

PECAN: Scab, use 6 tablespoons/gallon when catkins show. Repeat 3 or 4 times at 3-week intervals. Spanish moss, use 12 tablespoons/gallon. Spray during winter.

GRAPES: Black rot and mildew, use 6 tablespoons/gallon when shoots are 18 inches long. Repeat after bloom and 10 days later, again in mid-August.

POTATOES: Early and late blight, use 8 tablespoons/gallon. Apply when plants are 3 to 4 inches high, maintain a 10 to 14 day schedule for entire season.

STRAWBERRY: Leaf spot, use 6 tablespoons/gallon at 10 to 14 day intervals, except during harvest. Final spray in late summer.

CITRUS: Lemon brown rot, grapefruit scab, melonose, use 6 tablespoons/gallon. Spray just before spring flush. Repeat 1 to 3 weeks after bloom.

TOMATO: Early and late blight. Septoria leaf spot, use 6 tablespoons/gallon. Repeat at 7 to 10 day intervals.

- MIXING TABLE -

Use level spoonfuls in measuring, 3 teaspoonfuls equal 1 tablespoon. Use higher dosage if can has been shaken to fluff the powder.

Amount of Spray Desired	AMOUNT OF BORDEAUX MIXTURE REQUIRED	
	4-4-50	8-8-100
1 Pint	3/4 to 1 tablespoon	1 to 1-1/2 tablespoons
1 Quart	1-1/2 to 1-3/4 tablespoons	2 to 3 tablespoons
1 Gallon	6 to 7 tablespoons	8 to 12 tablespoons
3 Gallons	1-1/8 to 1-1/4 cupfuls	1-1/2 to 2-1/4 cupfuls

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LIMITED WARRANTY AND DISCLAIMER.

The manufacturer warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use.

THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSLY DISCLAIMED. This limited warranty does not extend to the use of the product inconsistent with label instructions, warnings or cautions, or to use of the product under abnormal conditions such as drought, excessive rainfall, tornadoes, hurricanes, etc. These factors are beyond the control of the manufacturer or the seller. Any damages arising from a breach of the manufacturer's warranty shall be limited to direct damages, and shall not include indirect or consequential damages such as loss of profits or value except as otherwise provided by law.

The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or agent of the seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.