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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

AUG 12 2003

Bonide Products, Inc.
% Rebecca M. Horton
Registrations by Design, Inc.
118½ E. Main Street, Suite 1
Salem, VA 24153

Subject: Bonide Copper Spray or Dust
EPA Reg. No. 4-58
Amendment dated May 16, 2003

Dear Ms Horton:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable provided the following changes are made:

1. In the First Aid block, list the routes of exposure in order of decreasing toxicity category:
If in Eyes
If on Skin or Clothing
If Swallowed
If Inhaled
2. Revise the PRECAUTIONS statement to read: "Harmful if swallowed or inhaled. Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Causes moderate eye irritation. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals."
3. Move the following statement from the PRECAUTIONARY section and place it in the section DIRECTIONS FOR USE: "Do not apply to food crops within 1 day of harvest."

One copy of the label stamped "Accepted with Comments" is enclosed for your records.

Please submit one copy of the final printed label before the product is released for shipment.

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Bonide Copper Spray or Dust
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If you have any questions, please contact Robert Westin by phone at (703) 305-5721 or via email at westin.robert@epa.gov.

Sincerely,



Cynthia Giles-Parker
Product Manager (22)
Fungicide Branch
Registration Division (7505C)

Enclosure

ACCEPTED
with COMMENTS
In EPA Letter Dated:

3/7

AUG 12 2003

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.

4-58



BONIDE® COPPER SPRAY OR DUST

Optional Marketing Statements:

Bordeaux Modern Replacement

Ready-to-Use

Controls Diseases of Potatoes, Tomatoes, Fruits, Ornamentals and Shade Trees

ACTIVE INGREDIENT:

Copper (in basic copper sulfate) expressed as metallic 7.00%

OTHER INGREDIENTS:..... 93.00%

TOTAL..... 100.00%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See side/back/other panel(s) for additional precautionary statements.

NET WEIGHT: _____

FIRST AID

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 Telecommunications Network at 1-800-858-7378 for emergency medical treatment information.

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 the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
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If in Eyes:	<ul style="list-style-type: none"> • 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. • Call a poison control center or doctor for treatment advice.
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If on Skin or Clothing:	<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.
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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.
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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Avoid contact with eyes, skin, or clothing. Avoid breathing dust or spray. Wash thoroughly after handling. Wash contaminated clothing before reuse. Do not apply to food crops within 1 day of harvest. May cause skin sensitization in certain individuals.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and aquatic organisms. Do not apply directly to water. Runoff and drift from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites. Do not contaminate water when disposing of equipment washwater.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

STORAGE AND DISPOSAL

Storage: Store and transport in an upright position. Store in a cool dry area and away from children or pets.

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

As a Dust: Control of disease depends upon thorough and complete application (a thin, uniform film) to both tops and undersides of leaves. Small canisters may be used as a duster by partially crushing and rapidly squeezing the sides in upright position, or use a good pressure duster. Application when wind is very light or absent, usually early morning or evening, will prevent drift and loss of product to adjacent areas.

As a Spray: (Using hand or tank sprayers) – Consult spray chart below. Add proper amount of powder to small amount of water, strain, add remainder of water and spray – agitate sprayer to keep nozzle from plugging. Apply at same intervals as dust. Keep foliage covered, especially new growth.

As a general guide, use the lower rates when plants are small, and the higher rates when plants are well developed or disease conditions are severe.

NOTE: This product is intended for small garden use only

Crop	Diseases	When to Apply	Amount*
Beans (green or dry)	Angular leaf spot, anthracnose, bacterial blight, downy mildew	Begin when plants are about 5" tall and repeat at 5-7 day intervals.	2½ - 5 oz. per gal. of water
Cabbage, Broccoli, Cauliflower, Brussels Sprouts	Downy mildew, leaf spot	Begin to apply before diseases appear. Repeat at 7-10 day intervals.	2¼ - 3¼ oz. per gal. of water
Carrots	Downy mildew, leaf spot		2¼ - 4¾ oz. + 1/3 oz. of hydrated lime
Celery	Early and late blights, leaf spot	Begin to apply in plant beds as soon as plants are established. Repeat at 7 day intervals.	2¼ - 5¾ oz. per gal. of water
Cucumbers, Melons, Pumpkins, Squash	Angular leaf spot, downy mildew, powdery mildew, gummy stem blight, anthracnose, leaf spot, scab	Begin to apply when plants emerge, or before disease appears. Repeat at 7-10 day intervals.	

Crop	Disease	When to Apply	Amount*
Eggplant	Anthracnose, downy mildew, early (Alternaria) blight, leaf spot	Begin in plant bed before disease appears. Repeat at 7-10 day intervals.	2¼ - 3¾ oz. per gal. of water
Lettuce	Anthracnose, leaf spot (Cercospora), downy mildew	Spray before diseases appear. Repeat at 7-10 day intervals.	2¼ - 3¾ oz. per gal. of water
Onions	Purple blotch, downy mildew	Begin when plants are 5-6 inches and repeat at 7-10 day intervals.	3¾ - 5 oz. per gal. of water
Peas	Downy mildew, leaf spot	Begin spraying before diseases appear. Repeat at 7-10 day intervals.	2¼ - 3¾ oz. per gal. of water
Pepper	Anthracnose, bacterial spot, early blight, Cercospora leaf spot, downy mildew	Start sprays in seedbed and continue in field at 7 day intervals. Note: Disease control is critical during fruiting.	3¾ - 5 oz. per gal. of water
Potatoes	Early and late blights	Begin to apply when plants are 4 to 6 inches high. Repeat at 7-10 day intervals throughout growing season.	2¼ - 6 oz. per gal. of water
Spinach	Anthracnose, Cercospra leaf spot, downy mildew, white rust	Begin when disease first appears. Repeat at 7-10 day intervals.	2½ - 5 oz. per gal. of water.
Tomatoes	Early and late blights, anthracnose, bacterial spot, leaf spot, nail head rust, Septoria and Stemphylium leaf mold	Begin to apply in plant bed as soon as plants are established. Repeat at 4-14 day intervals throughout growing season.	2¼ - 6 oz. per gal. of water
Grapes	Anthracnose, black rot, downy mildew	Make first application when new growth is ½" long and repeat every 10-14 days.	2 oz. per gal. of water
Strawberries	Leaf spot, downy mildew, leaf blights, leaf scorch	Begin to apply before leaves form. Repeat at 10-14 day intervals.	3 oz. per gal. of water
Apples	Anthracnose, bitter rot, black rot, blotch, powdery mildew	Begin to apply at petal fall and repeat through fourth cover spray.	½ - ¾ oz. per gal. of water
Almonds, Apricots, Cherries	Brown rot blossom blight, leaf spot, shot hole	Apply in red bud to popcorn and late bloom stages.	4½ - 6 oz. per gal. of water.

Crop	Disease	When to Apply	Amount*
Pears	Scab, leaf blights	Apply in first 3 cover sprays.	1½ oz. + ½ oz. hydrated lime per gal. of water
Arborvitae, Asters	Blights, leaf spots	Begin to apply before diseases appear. Repeat at 7-10 day intervals and after rains. Apply to arborvitae in early fall and repeat in late fall.	4½ oz. per gal. of water
Oaks	Leaf blister (Taphrina)	Apply one or two times in early spring before growth begins.	
Azaleas, Begonias, Rhododendrons	Leaf blights, leaf scorch, leaf spot	Begin to apply before diseases appear. Repeat at 7-10 day intervals and after rains.	
Chrysanthemums	Botrytis blight, downy mildew, leaf spots		
Flowering Shrubs, Maples, Hawthorne, Gardenias, Marigolds, Phlox, Stocks	Leaf spot		
Roses	Anthrachnose, black spot, downy and powdery mildews, leaf spot, stem canker		
Pines	brown needle blight		

Bonide® Copper Spray or Dust does not control insects. Use Bonide® Rotenone-Copper Dust or Bonide® Garden Dust.

*One ounce = 2 rounded tablespoons.

For information on pesticide products (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Telecommunications Network at 1-800-858-7378.

Buyer assumes all risk for use of this product when not used in accordance with label directions or established safe practice.

Manufactured by:
 Bonide Products, Inc.
 Oriskany, NY 13424