

51036-28

9/11/2006

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Thomas R. Nelsen
Product Registration Manager
BASF SPARKS LLC
26 Davis Drive
Research Triangle Park, NC 27709

SEP 11 2006

Subject: Basic Copper 4L
EPA Reg. No. 51036-28
Microflo Amendment dated March 14, 2006
EPA Decision Number 359329

Dear Dr. Nelsen:

The revised amended label submitted September 11, 2006 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 list of ingredients, change "70.60" to "70.6%"
2. Add the following to the PPE section immediately before "Follow Manufacturer's instructions...": "Remove and wash contaminated clothing before reuse."
3. In the "Agricultural Use Requirements" box, to be consistent with the July 2006 Copper RED, change the restricted-entry interval (REI) to 48 hours.
4. In the section "Conditions of Sale and Warranty", in the first paragraph change "All such risks shall..." to "To the extent consistent with applicable law, all such risks shall..."

One copy of the label stamped "Accepted with comments" is enclosed for your records. This label supersedes all labels previously accepted for this product.

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

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

Sincerely,

A handwritten signature in cursive script, appearing to read "Carl Snoble for".

Tony Kish
Product Manager (22)
Fungicide Branch
Registration Division (7505P)

Enclosure

2 8 8

BASIC COPPER 4L

ACCEPTED
with COMMENTS
In EPA Letter Dated
SEP 11 2006

ACTIVE INGREDIENT:

Basic Copper Sulfate..... 29.4%
INERT INGREDIENTS:..... 70.60
TOTAL 100.0%

(Copper as Metallic 15.9%)

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

51036-
28

KEEP OUT OF REACH OF CHILDREN
CAUTION

See [Side] [Back] Panel For Additional Precautions

FIRST AID	
IF SWALLOWED:	Call a 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.
IF IN EYES:	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.
IF ON SKIN OR CLOTHING:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

EPA Reg. No. 51036-28

EPA Est. No. 51036-GA-1

REGISTRATION/AMENDMENTS/BASIC COPPER SULFATE 4L (28) First Aid Clean

Submitted 7-12-2005 jlb Resubmitted and revised per EPA letter of Oct. 27, 2005

Resubmitted 9-11-06 with Sparks changes

AD 032395

Manufactured For:
BASF SPARKS LLC
P.O. BOX 13528
Research Triangle Park, NC 27709

PRECAUTIONARY STATEMENTS

Hazards To Humans And Domestic Animals

CAUTION

Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing vapors. Avoid contact with skin, eyes, and clothing. May cause skin sensitization in certain individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

1. Long-sleeved shirt and long pants
2. Chemical-resistant gloves such as Barrier Laminate or Butyl Rubber \geq 14 mils
3. Shoes plus socks
4. Chemical-resistant headgear for overhead exposure

Follow manufacturer's instructions for cleaning and 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:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites. Do not contaminate water by disposal 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 and restricted-entry intervals. The requirements in this box only 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 24 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:

1. Coveralls
2. Chemical-resistant gloves such as Barrier Laminate or Butyl Rubber \geq 14 mils
3. Shoes plus socks
4. Chemical-resistant headgear for overhead exposure

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CHEMIGATION PROHIBITION

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

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep in a cool place but not below 32 degrees F.

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: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities. If burned, stay out of smoke.

DIRECTIONS FOR MIXING

Before using, stir until smooth. Pour recommended amount into partially filled spray tank. Keep agitator running during filling and spraying operations. DO NOT ALLOW MIXTURE TO STAND. Failure to maintain agitation may cause Copper to settle and may necessitate manual stirring to re-disperse. Use of this material in a manner other than in accordance with this label may cause serious plant, crop or personal injury, excessive residues, unsatisfactory control or other unintended consequences.

DOSAGE RECOMMENDATIONS

ALMONDS:

Brown Rot and Shot Hole - use 2 quarts of Basic Copper 4L to 100 gallons of water per acre. As a dormant spray for control of Shot Hole apply Dec. 15 to Jan. 15. Use 1 1/2 quarts of Basic Copper 4L to 100 gallons per acre for the control of Brown Rot and Shot Hole through swelling bud and popcorn stage. Do not apply after 50% bloom or when trees are in leaf.

APRICOTS:

Brown Rot and Shot Hole - use 2 to 2 1/2 quarts of Basic Copper 4L to 100 gallons of water per acre. As a dormant spray for the control of Shot Hole disease apply Nov. 15 to Jan. 15. Bud sprays for control of Brown Rot should be applied through swelling bud stage to popcorn state. Do not spray when trees are in leaf.

CELERY:

Early Blight - use 2 quarts of Basic Copper 4L to 100 gallons of

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water per acre. Begin spraying at first sign of disease. Spray every 5 to 10 days as needed.

SOUR CHERRIES:

Brown Rot, Blossom Blight - use 2 1/2 quarts of Basic Copper 4L to 100 gallons of water per acre. Apply in popcorn to full bloom stage. For Brown Rot and Leafspot, apply at petal fall.

CITRUS: Florida (Grapefruit, Lemons, Limes, Oranges, Tangelos and Tangerines):

Melanose - use 3 to 4 quarts of Basic Copper 4L to 500 gallons of water per acre 1 to 3 weeks after petal fall. Where there is a history of disease problem, a wet spring, or late or scattered bloom, apply a second spray four weeks later.

Scab: Apply two sprays; First just before trees begin to flush at 3 to 4 quarts of Basic Copper 4L to 500 gallons of water per acre, and second at 2/3 petal fall. If scab is likely to be severe, use 6 to 8 quarts of Basic Copper 4L to 500 gallons of water per acre in first spray. Under conditions of high moisture, spray summer and fall flushes when new growth begins to appear.

Greasy Spot: Sprays may be applied at any time during the two months after expansion of early spring flush and within one month after expansion of late spring or other flushes. Use 2 1/2 to 5 pints of Basic Copper 4L to 500 gallons of water per acre.

Brown Rot - Use 3 to 4 pints of Basic Copper 4L to 500 gallons of water per acre. Apply around middle of August when disease has been troublesome or immediately on appearance of affected fruit. Do not use on Valencias.

NOTE: Copper is compatible with oil sprays used on citrus. The use of copper and oil combinations should be avoided after the fruit has attained a size of 3/4-inch in diameter and when the temperature is excessively high.

CURCUBITS (Cantaloupe, Cucumber and Squash):

Angular Leaf Spot - Use 2 quarts of Basic Copper 4L to 100 gallons of water per acre. Use at first sign of disease and weekly as long as disease is a problem.

PEACHES AND NECTARINES:

Brown Rot, Peach Blight (Shot Hole), Leaf Curl - Use 2 to 3 quarts of Basic Copper 4L to 100 gallons of water per acre. As a dormant spray for Leaf Curl and Peach Blight (Spot Hole), apply Nov. 15 to Dec. 15. Bud sprays for Brown Rot and Peach Blight (Shot Hole) should be applied in the pink bud stage. Do not spray when trees are in leaf.

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PEARS:

Fire Blight - use 1 quart of Basic Copper 4L to 100 gallons of water per acre. Apply at 10% bloom and continue every 5 to 7 days throughout bloom. Repeat especially after showers or rain. Use only where State Disease Control officials recommend such as on specific varieties.

PEPPERS:

Bacterial Spot, Cercospora Leafspot (Frogeye) - Use 2 quarts of Basic Copper 4L to 100 gallons of water per acre. Begin spraying when diseases appear. Repeat every 3 to 5 days as necessary.

PLUMS AND PRUNES:

Brown Rot - use 2 to 3 quarts of Basic Copper 4L to 100 gallons of water per acre. Bud sprays for control of Brown Rot should be applied in popcorn to full bloom stage.

POTATOES:

Early and Late Blight - Use 2 quarts of Basic Copper 4L to 100 gallons of water per acre. Begin spraying when diseases appear. Repeat 3 to 7 days as needed.

TOMATOES:

Bacterial Spot, Septoria, Early and Late Blight - Use 2 quarts of Basic Copper 4L to 100 gallons of water per acre. Begin spraying when diseases appear. Repeat every 3 to 7 days as needed.

WALNUTS:

Blight - use 2 to 2 1/2 quarts of Basic Copper 4L to 100 gallons of water per acre. Give two treatments, the first in late pre-bloom just before the majority of the flowers come into full bloom and the second in the post-bloom period when plumules at the tips of the nutlets are withering. Repeat application for blight control 3 to 4 times during growing season if necessary.

CONDITIONS OF SALE AND WARRANTY

The Directions For Use of this product reflects the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF SPARKS LLC or the Seller. All such risks shall be assumed by the Buyer.

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BASF SPARKS LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions For Use, subject to the inherent risks, referred to above.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF SPARKS LLC MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF SPARKS LLC AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BASF SPARKS LLC and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing Conditions of Sale and Warranty which may be varied only by agreement in writing signed by a duly authorized representative of BASF SPARKS LLC.