

APR 12 1993

James Yowell
Griffin Corporation
P.O. Box 1847
Valdosta, GA 31603

Dear Mr. Yowell:

Subject: Revised Labeling - Add Use on Dormant Cherries
Basicop
EPA Registration No. 1812-300
Your Submission Dated March 31, 1993

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you:

1. Submit/cite all data required for registration/-reregistration of your product under FIFRA section 3(c)(5) or 4(a) when the Agency requires all registrants of similar products to submit such data.

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

- Proof read the label to correct typographical errors e.g. correct spelling of "melanose" under Citrus and "applications" under Walnuts.

3. Submit one (1) copy of your final printed labeling 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 section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely yours,

15/

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

BASICOP™
BASIC COPPER SULFATE
WETTABLE POWDER
FUNGICIDE\BACTERICIDE

ACTIVE INGREDIENT

ELEMENTAL COPPER*.....	536
INERT INGREDIENTS:.....	470
TOTAL.....	1006
*FROM BASIC COPPER SULFATE	

KEEP OUT OF REACH OF CHILDREN

WARNING - AVISO**STATEMENT OF PRACTICAL TREATMENT**

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.
IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.
IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.
IF IN EYES: Flush with copious volumes of water. Get medical attention.
PRECAUTION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado ampliamente.

SEE ADDITIONAL PRECAUTIONARY**STATEMENTS**

50 LBS. NET

ACCEPTED
 with COMMENTS
 In EPA Letter Dated:

APR 12 1993

BASICOP T M

EPA REG. NO. 1812-300
 EPA EST. NO. 45450-AZ-1

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

1812-300

Manufactured for: Griffin Corporation.
 P. O. Box 1847
 Valdosta, Georgia 31603-1847

Griffin

Griffin. The Hardworking Difference

® is Trademark of Griffin Corporation

TM

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING - AVISO**

Causes substantial but temporary eye injury. Harmful if absorbed through the skin or inhaled. May cause skin sensitization reactions in certain individuals. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Protective clothing, including goggles, should be worn. 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, 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. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites.

STORAGE AND DISPOSAL

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

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.

DIRECTIONS FOR USE

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

RE-ENTRY STATEMENT

Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. (indicate specific oral warnings which inform workers of areas or fields that may not be entered without specific protective clothing, period of time field must be vacated and appropriate actions to take in case of accidental exposure). When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: **WARNING:** Area treated with BASICOP TM on (date of application). Do not enter without appropriate protective clothing until spray has dried. In case of accidental exposure see Statement of Practical Treatment.

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GENERAL INSTRUCTIONS

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

Fill the spray tank approximately one-third full. With spray tank agitator running, add the required amounts of BASICOP TM. Add additional water to fill tank. Where sticker-spreaders or other spray ingredients are desired, add these when the tank is approximately three-fourths full. Keep the agitator running until spraying has been completed. Observe all cautions and limitations on label of all products used in mixtures. Since the number of possible combinations of pesticide mixtures is very large, mixtures should be tested before use and applied as soon as possible.

The following specific instructions are based on general applications. The recommendations of local Agricultural Experiment Stations should be closely followed as to timing, frequency and number of sprays. BASICOP TM is intended for use in a range of spray volumes; recommendations on this label reflect common practice. If it is desirable to use spray volumes other than dilute in situations not specifically addressed on this label, do so only after developing direct knowledge, prior utilization or test, of effect on target crop. Minimum Recommended Spray Volume (Gallons) Per Acre When Applying BASICOP TM.

AERIAL		GROUND	
		DILUTE	CONCENTRATE
Row Crops	5	20	-
Vines	5	100	50
Tree Crops	10	400	50
Citrus	10	400	100

Complete spray coverage is essential to assure full performance from BASICOP TM. When treating on a concentrate basis or by aerial application, unless you have had specific previous experience, it is advisable to test for compatibility and crop tolerance prior to full scale commercial utilization.

While volume is important in obtaining full spray coverage, often factors such as foliage density, environmental conditions and sprayer calibration have a greater impact. Always be sure sprayers are calibrated to manufacturers specifications and environmental conditions are within those recommended by state and local regulatory authorities.

Per acre use rates of BASICOP TM for citrus, tree crops and vines are calculated on a dilute spray basis; actual pounds of BASICOP TM /A should be determined by multiplying the rate/100 gallons times the minimum recommended dilute spray volume example: citrus brown rot - 1.0 pound/100 gallons x 4 to 8 (dilute spray volume 400 to 800 gallons) = 4.0 to 8.0 pounds of BASICOP TM per A. The per acre use rate of BASICOP TM is applicable for both dilute and concentrate spraying. Consult the BASICOP TM label for specific rates by crop.

Use sufficient water for thorough coverage.

SPECIFIC INSTRUCTIONS

CROP	DISEASE	RATE/100 GAL. WATER	RATE PER ACRE	USE INSTRUCTIONS
Almonds	Brown Rot Blossom Blight Shot Hole	4-5 lbs		May be applied as a dormant or bud spray. Bu should be applied at pink bud through popco Do not apply after 50% bloom or when trees a Use high rate when disease <u>pressure is heavy</u> <u>expected to be so.</u>
Apples	Fire Blight	0.5 lbs.		Begin at 10% bloom and repeat at 5 day inter late bloom is over (Do not apply to apples <u>bloom in California).</u>
	Scab	1 lb.		Plus 2 to 2.5 pounds hydrated lime per 100 g water. <u>Apply at delayed dormant stage.</u>
Apricots	Brown Rot Blossom Blight Shot Hole	4-5 lbs.		May be applied as a dormant or bud spray. B should be applied from bud swell to popcorn not spray when trees are in leaf. Use high disease pressure is heavy or <u>expected to be</u>
Avocados	Anthrachnose, Blotch & Scab	3.0 lbs.		Begin when blossom buds open and repeat at 4 intervals for a total of <u>5 applications.</u>
Beans	Anthrachnose, Downy & Powdery Mildew, & Leaf Spot Bacterial Blight		2 lbs. 4 lbs.	Begin when plants are about 5 inches high an every to 10 days <u>Begin when disease appears and repeat at 7 d</u> <u>intervals.</u>
Beets	Downey Mildew		3 lbs.	Begin when disease normally appears and repe days thereafter.
Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries	Anthrachnose	2 lbs.		Begin when leaf buds begin to open and repea flower buds show white. Continue at 10 to 1 intervals.
	Leaf & Cane Spot	2 lbs.		Begin when leaf buds begin to open. Repeat buds show white. Also a post harvest spray pruning but before <u>fall rains using 6 lbs. p</u> <u>gallons of water is beneficial.</u>

	Yellow Rust	2 lbs.	Begin when leaf buds begin to open. Repeat when flower buds show white. Also a post harvest spray after pruning but before fall rains using 6 lbs. <u>per 100</u> gallons of water is beneficial.
Broccoli, Brussels Sprout, Cabbage, Cauliflower	Downy Mildew Leaf Spot	1-3 lbs.	Begin when disease normally appears and repeat 7 to 10 days thereafter. Use the high rate where disease pressure is heavy or <u>expected to be so.</u>
Cantaloupes, Cucumbers, Melons, Squash	Angular Leaf Spot, Anthracnose, Downy Mildew	2 lbs.	Begin when disease normally appears and repeat 7 to 10 days thereafter. Check with State Experiment Station for recommendations for the use of hydrated lime as a part of the spray mixture on cucurbits.
Carrots	Alternaria & Cercospora Leaf Blight, & Downy Mildew	3-4 lbs.	Begin when disease normally appears and repeat 7 to 10 days thereafter. Use the high rate where disease pressure is heavy or expected to be so.
Celery	Early Blight, Late Blight, and Leaf Spot	3-4 lbs.	Begin when plants are 6 inches high or when disease first appears. Repeat every 5 to 14 days as necessary. Use the high rate <u>where disease pressure is heavy or expected to be so.</u>
Cherries (Sour)	Brown Rot	3-5 lbs.	Apply during popcorn to full bloom stage and petal fall. Add 4.0 pounds of hydrated lime per 100 gallons of water. Apply at petal fall as well as 1 to 2 times after petal fall. Use lower rates at leaf fall or where disease infestation is light, use higher rates for dormant treatment or where disease infection is moderate to heavy. Do not apply to sweet cherries or the English Morelo <u>variety as severe injury will result</u>
	Blossom Blight Leaf Spot	2-5 lbs.	
Cherries (all) (dormant)	Bacterial Gummosis & Canker (Pseudomonas), Coryneum Blight	3-5 lbs.	Apply at late leaf-fall and include an approved sticker.
Citrus	Brown Rot	1 lb (Florida only use 2 lbs)	Begin at first sign of Brown Rot or before and during wet weather. <u>Repeat as necessary.</u> Use as a summer spray (about mid July). NOTE: For Aerial or concentrate application apply 10 to 26 lbs. per acre in water diluted as recommended by the manufacturer of the sprayer used. Use no less <u>than 10</u>
	Greasy Spot Pink Pitting	1.5-3 lbs.	

gallons of water per acre.

MeTanose* 1.5-3 lbs.

Apply 1 to 3 weeks after petal fall, repeat application 4 weeks later if necessary. **NOTE:** For Aerial or concentrate application apply 10 to 26 lbs per acre in water diluted as recommended by the manufacturer of the sprayer used. Use no less than 10 gallons of water per acre.

Scab* 1.5-3 lbs.

Make two applications. One immediately before flush and the second at petal fall. Use the high rate when disease pressure is heavy or expected to be so. **NOTE:** For Aerial or concentrate application apply 10 to 26 lbs. per acre in water diluted as recommended by the manufacturer of the sprayer used. Use no less than 10 gallons of water per acre. ***NOTE:** Sprayable sulfur may be added in sprays for Melanose and Scab.

Currants,
Gooseberries

Anthracnose & Leaf Spot 6 lbs.

Make 3 applications; at full bloom, 2 weeks later, and after harvest.

Eggplant

Alternaria Leaf Blight, Anthracnose, Phomopsis 3-4 lbs.

Begin when disease normally appears and repeat 7 to 10 days thereafter. Use high rate where disease pressure is heavy or expected to be so.

Grapes

Black Rot & Downy Mildew 2 lbs.

Apply when first leaves appear, just before blossom opens, after petal fall and every 2 weeks thereafter up to 2 weeks before harvest.

Olives

Peacock Spot 4-6 lbs.

Apply in late October. Use high rate where disease pressure is heavy or expected to be so.

Papayas

Anthracnose 1.5 lbs.

Apply when disease is expected to appear and repeat at 10 to 14 day intervals or at 5 to 7 day intervals during periods of heavy rainfall.

Peaches and
Nectarines

Brown Rot Blossom Blight Leaf Curl Peach Blight 4-5 lbs.
4-5 lbs.

Apply in pink buds stage.

Apply as a dormant spray. Do not use when trees are in leaf. In CALIFORNIA if dormant spray is to be made by aircraft, use 16 to 20 lbs. per acre in 20 gallons of water.

Peanuts

Cercospora 3 lbs.

Begin when disease normally occurs and repeat at 14 day

Leaf Spot

intervals. For heavy pressures use another EPA registered fungicide in accordance with its label instructions.

Pears Fire Blight 2-4 lbs.

Begin at 10% bloom and repeat 5 to 7 days during bloom period. Special attention should be given to repeat sprays after showers of rain. Check with local State Extension or Experiment Station authorities to variety sensitivities to copper. DO NOT USE on Anjou, Comice of Seckel varieties.

Pecans Scabs 2 lbs.

Apply according to State Extension Service recommended spray schedule.

Peppers Anthracnose, 2-4 lbs.
Bacterial Spot,
Cercospora Leaf
Spot, (Frogeye)
Downy Mildew,
Early/Late Blight

Begin when disease normally appears and repeat 7 to 10 days thereafter. Use high rate where disease pressure is heavy or expected to be so.

Plums & Prunes Shot Hole 4-5 lbs.
Brown Rot 4-5 lbs.
Blossom Blight

Apply as a dormant spray.
Apply in popcorn to full bloom stage.
Use the high rate where disease pressure is heavy or expected to be so.

Potatoes Early Late Blight 3-6 lbs.

Apply at first sign of disease and repeat 7 to 10 days thereafter. Use high rate where disease pressure is heavy or expected to be so.

Spinach Cercospora, Leaf 2-4 lbs.
Spot, Anthracnose,
Downy Mildew,
(Blue Mold)
White Rust

Begin when disease normally appears and repeat 7 to 10 days thereafter. Use high rate where disease pressure is heavy or expected to be so.

Strawberries Leaf Spot 2-3 lbs.

Apply at prebloom and post harvest. Use the high rate where disease pressure is heavy or expected to be so.

Sugar Beets Cercospora 4 lbs.
Leaf Spot

Begin when disease normally occurs and every 7 to 10 days thereafter.

Tomatoes Anthracnose, 2-4 lbs.
Early & Late

Begin when disease normally appears and repeat every 7 to 10 days. Use the high rate when disease pressure is

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Blight, Leaf Mold
Septoria,
Bacterial Spot,
Bacterial Cancker.

heavy or expected to be so. A tank mix with Maneb at 1.2 lbs. a.i. per 100 gallons of water has been found to provide more effective control of Bacterial Spot. & When Maneb is used do not apply within 5 days of harvest.

Walnuts

Blight 4-5 lbs.

Initially make 2 applir-ations. The first in late prebloom 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 nuclets are withering. Repeat application for blight control 3 or 4 times during growing season if necessary. Use the high rate where disease pressure is heavy or expected to be so.

WARRANTY STATEMENT

GRIFFIN CORPORATION warrants that this product in its unopened package conforms to the chemical description on the label and is reasonably fit for the purposes set forth on the label when used according to directions under normal use conditions on the plants and crops specified. THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. This warranty does not extend to the handling of use of this product contrary to label instructions or under abnormal conditions or under conditions not reasonably foreseeable to seller and buyer assumes all risk of any such use.

GCM 011690
CPC 021009