

PM-21 , 1/13

SEP 22 1987

Ms. Martine Albritton
Griffin Corporation
P.O. Box 1847
Valdosta, GA 31603-1847

Dear Ms. Albritton:

Subject: Amendment - Revised Labeling
Kobasic
EPA Registration No. 1812-300
Your Submission Received by EPA August 12, 1987

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable provided you:

1. Make the changes below before releasing the product for shipment bearing amended labeling:
 - a. Under first aid for eyes, delete "if irritation persists."
 - b. Under Hazards to Humans, delete "Causes severe skin irritation."
 - c. Delete Endangered Species restrictions. The Agency has revised its policy concerning endangered species labeling and will issue PR Notices for the various use clusters in future directives.
 - d. For peaches and nectarines, change "brown rot" to "brown rot blossom blight." Delete "during" following "California."
 - e. Under pears, correct the spelling of "Anjou."
 - f. Under plums and prunes, indicate the dosage rate to use for control of brown rot blossom blight.

15652:1:Mountfort:MF-1:KENCO:09/21/87:09/22/87:de:lf:ek

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

-2-

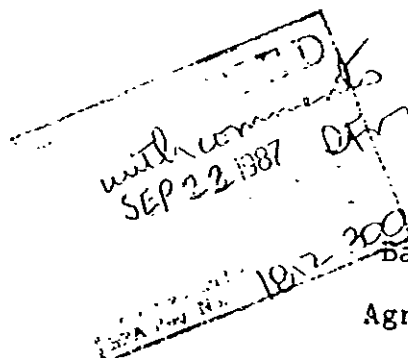
2. Submit one (1) copy of final printed labeling incorporating changes above.

A stamped copy of labeling is enclosed for your records.

Sincerely yours,

Richard F. Mountfort *RFM*
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (TS-767C)

Enclosure



BASICOP

Basic Copper Sulfate
Wettable Powder
Agricultural Fungicide

ACTIVE INGREDIENT

Elemental Copper *.....53%

INERT INGREDIENTS.....47%

TOTAL.....100%

*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 if irritation persists.

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que le etiqueta haya sido explicado ampliamente.

SEE ADDITIONAL PRECAUTIONARY STATEMENTS

GRIFFIN CORPORATION
Valdosta, GA 31603-1847

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

50 lbs Net

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PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING-AVISO

Causes substantial but temporary eye injury. Causes severe skin irritation. 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.

Acute 101/10

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 *See label for restrictions*

It is a violation of Federal law 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:

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

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 Wildlife Service. THIS BULLETIN MUST BE REVIEWED PRIOR TO PESTICIDE USES.

----- 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 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.

(See comments in Graph
number - 9/15/57)

GENERAL INSTRUCTIONS

Fill the spray tank approximately one-third full. With spray tank agitator running, add the required amount of BASCIOP. 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 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

	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. 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.

When selecting a use rate for BASICOP never apply less per acre than the amount recommended per 100 gallons unless specifically instructed by the label.

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 for citrus, tree crops and vines are calculated on a dilute spray basis; actual pounds of BASICOP/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 per A. The per acre use rate of BASICOP is applicable for both dilute and concentrate spraying. Consult the BASICOP label for specific rates by crop.

Use sufficient water for thorough coverage.

SPECIFIC INSTRUCTIONS

CROP	DISEASE	RATE PER 100 GAL WATER	USE INSTRUCTIONS
LMONDS	Brown Rot	4-5 lbs	May be applied as a dormant or bud spray. Bud sprays should be applied at pink bud through popcorn stage. Do not apply after 50% bloom or when trees are in leaf. Use high rate when disease pressure is heavy or expected to be so.
	Blossom Blight, Shot Hole		
APPLES	Fire Blight	0.5 lbs	Begin at 10% bloom and repeat at 5 day intervals until late bloom is over. (Do not apply to apples during bloom in California).
	Scab	1 lb	Plus 2 to 2.5 pounds hydrated lime per 100 gallons of water. Apply at delayed dormant stage.
APRICOTS	Brown Rot Blossom Blight and Shot Hole	4-5 lbs	May be applied as a dormant or bud spray. Bud sprays should be applied from bud swell to popcorn stage. Do not spray when trees are in leaf. Use high rate where disease pressure is heavy or expected to be so.
AVOCADOS	Anthracnose, Blotch and Scab	3.0 lbs	Begin when blossom buds open and repeat at 4 week intervals for a total of 5 applications.

BEANS	Anthracnose, Downy and Powdery Mildew, and Leaf Spot	2 lbs	Begin when plants are about 5 inches high and repeat every 7 to 10 days.
	Bacterial Blight	4 lbs	Begin when disease appears and repeat at 7 day intervals.
BEETS	Downy Mildew	3 lbs	Begin when disease normally appears and repeat 7 to 10 days thereafter.
BLACKBERRIES, BOYSENBERRIES, DEWBERRIES, LOGANBERRIES, RASPBERRIES	Anthracnose	2 lbs	Begin when leaf buds begin to open and repeat when flower buds show white. Continue at 10 to 14 day intervals.
	Leaf and Cane Spot	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 per 100 gallons of water is beneficial.
	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 per 100 gallons of water is beneficial.
BROCCOLI, BRUSSELS SPROUT, CABBAGE, CAULIFLOWER	Downy Mildew and 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 expected to be so.
CANTALOUPE, CUCUMBERS, MELONS, SQUASH	Angular Leaf Spot, Anthracnose, and 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 and Cercospora Leaf Blight, and 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 where disease pressure is heavy or expected to be so.
CHERRIES (Sour) Blossom Blight	Brown Rot Blossom Blight	3-5 lbs	Apply during popcorn to full bloom stage and petal fall.
	Leaf Spot	2-5 lbs	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 variety as severe injury will result.
CITRUS	Brown Rot (Florida only use 2 lbs)	1 lb	Begin at first sign of Brown Rot or before and during wet weather. Repeat as necessary.
	Greasy Spot and Pink Pitting	1.5-3 lbs	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 than 10 gallons of water per acre.
	Melanose*	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 2/3 petal fall. Use the high rate when disease pressure is heavy or expected to be so.
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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.

CURRENTS, GOOSEBERRIES	Anthracnose and Leaf Spot	6 lbs	Make 3 applications; at full bloom, 2 weeks later, and after harvest.
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EGGPLANT	Alternaria Leaf Blight, Anthracnose, and 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.
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GRAPES	Black Rot and 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.
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OLIVES	Peacock Spot	4-6 lbs	Apply in late October. Use high rate where disease pressure is heavy or expected to be so.
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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.
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PEACHES AND NECTARINES	Brown Rot	4-5 lbs	Apply in pink buds stage.
	Leaf Curl and Peach Blight	4-5 lbs	Apply as a dormant spray. Do not use when trees are in leaf. In CALIFORNIA during if dormant spray is to be made by aircraft, use 16 to 20 lbs per acre in 20 gallons of water.
PEANUTS	Cercospora Leaf Spot	3 lbs	Begin when disease normally occurs and repeat at 14 day intervals. For heavy pressures use another EPA registered fungicide in accordance with its label instructions.
PEARS	Fire Blight	0.5 lbs	Use a minimum of 400 gallons of water per acre. 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 for variety sensativities to copper. DO NOT USE on Anjors, Comice or Seckel varieties.
PECANS	Scab	2 lbs	Apply according to State Extension Service recommended spray schedule.
PEPPERS	Anthrachnose, Bacterial Spot, Cercospora Leaf Spot, (Frogeye) Downy Mildew, and Early/Late Blight	2-4 lbs	Begin when disease normally appears and repeat 7 to 10 days thereafter. Use high rate rate where disease pressure is heavy or expected to be so.
PLUMS AND PRUNES	Shot Hole	4-5 lbs	Apply as a dormant spray.
	Brown Rot Blossom Blight		Apply in popcorn to full bloom stage. Us the high rate where disease pressure is heavy or expected to be so.

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POTATOES	Early and 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 Spot, Anthracnose, Downy Mildew, (Blue Mold) and White Rust	2-4 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.
STRAWBERRIES	Leaf Spot	2-3 lbs	Apply at pre-bloom and post harvest. Use the high rate where disease pressure is heavy or expected to be so.
SUGAR BEETS	Cercospora Leaf Spot	4 lbs	Begin when disease normally occurs and every 7 to 10 days thereafter.
TOMATOES	Anthracnose, Early and Late Blight, Leaf Mold Septoria, Bacterial Spot, and Bacterial Canker.	2-4 lbs	Begin when disease normally appears and repeat every 7 to 10 days. Use the high rate when disease pressure is 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 applications. 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 plumes at the tips of the nutlets 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.

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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 or 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.

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