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

Dear Ms. Albritton:

Subject: Captec 4L
EPA Registration No. 1812-260
Labeling Submitted in Response to PD-4, Conclusion
of Special Review; Notice of Final Determination,
Application Dated March 28, 1989

The subject labeling submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) as amended is acceptable provided that you submit five (5) copies of final printed labeling before releasing the product for shipment. The final printed labeling must reflect the following revisions of the labeling submitted:

1. Under General Information section delete reference to control of certain fungus diseases of vegetables and use the adjective "fungal diseases".
2. For apples (Western Areas) revise the claim for "1 or 2 preharvest applications" to read "and an application one week prior to harvest." Note, late cover sprays are also preharvest applications; as proposed there is conflicting directions.

If this condition is not complied with, the registration will be subject to cancellation in accordance with FIFRA Section 6(e). Your release for shipment of the product constitutes acceptance of this condition.

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

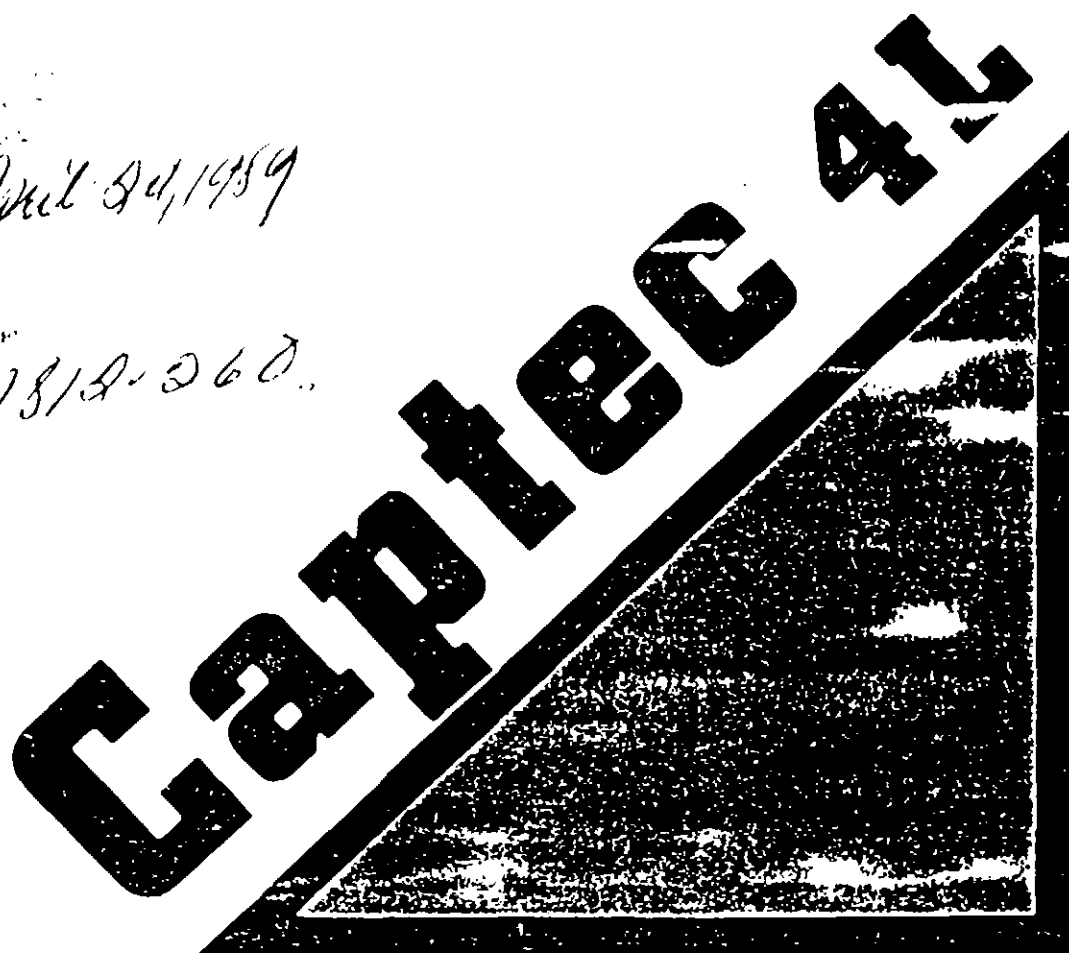
Sincerely yours,

Lawrence J. Schnaubelt ^{LJS}
Acting Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (H7505C)

Enclosure

April 24, 1989

1818-260



CAPTAN FLOWABLE FUNGICIDE

ACTIVE INGREDIENT	BY WT.
*Captan	37.4%
Related Derivatives	0.8%
INERT INGREDIENTS	61.8%
TOTAL	100.0%

*N Trichloromethylthio 4-(1-hydroxy-1,2-dihydroxyethyl)benzamide
containing 4% Captan per gallon

KEEP OUT OF REACH OF CHILDREN

DANGER — PELIGRO

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Drink promptly and a quart of milk, egg whites, or lemon juice, or if these are not available, drink large quantities of water. Avoid alcohol.

IF INHALED: Remove victim from exposure. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

IF ON SKIN: Wash immediately with copious amounts of water.

IF IN EYES: Flush with plenty of water for several minutes.

PRECAUCION AL USUARIO: Evitar el contacto con la piel y con la ropa. Evitar el contacto con los ojos. Evitar el contacto con los alimentos.
Ver Adicional Precauciones y Tratamiento.

Griffin



Griffin. The Hardworking Difference™

GRIFFIN CORPORATION

2000 W. 10th Street
P.O. Box 10000
Des Moines, IA 50316

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS
DANGER — PELIGRO**

Causes irreversible eye damage. Harmful if swallowed or inhaled. Do not get in eyes. Wear goggles and face shield when handling. May cause allergic skin reaction. Avoid contact with skin and clothing. Remove and separately launder clothing before reuse. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

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

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not clean equipment or dispose of equipment washwaters in a manner that will contaminate water resources. In the event that treated seeds are spilled and cannot be salvaged, completely cover them with soil.

DIRECTIONS FOR USE

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

Wear goggles or face shield when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and separately launder clothing before reuse.

Mixers/loaders when mixing and loading this product must wear a long sleeved shirt and long pants or a coverall that covers all parts of the body except the head, hands and feet. Wear chemical resistant gloves, goggles or a face shield and a chemically resistant apron. Fieldworkers and harvesters entering treated areas within 4 days following application

must wear chemical resistant gloves. Leather or fabric gloves are not acceptable. AFTER WORK: Take off all clothes and shoes. Shower using soap and water. Do not wear contaminated clothing. Wash protective clothing and equipment with soap and water after each use. Personal clothing worn during use must be laundered separately from household articles. Clothing and protective equipment heavily contaminated or drenched with Captan must be destroyed according to state and local regulations.

During application only, from a tractor with a completely enclosed cab or from an aircraft with an enclosed cockpit a long sleeved shirt and long legged pants must be worn. Chemically resistant gloves must be available in the cab or cockpit and worn while exiting.

STORAGE AND DISPOSAL

STORAGE: Store in a cool, dry place, but protect from temperatures below 0°F. Protect from excessive heat.

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of excessive pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

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, by burning. If burned, stay out of smoke.

RE-ENTRY STATEMENT

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not allow persons to enter treated areas within 4 days following application unless a long-sleeved shirt and long pants or a coverall that covers all parts of the body except the head, hands and feet and chemically resistant gloves are worn.

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: DANGER. Area treated with CAPTAN on (date of application). In case of accidental exposure see Statement of Practical Treatment.

GENERAL INFORMATION

Read all precautions and directions for use before using. Use only for claims listed and only as specified on the label.

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

Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers.

Foliage injury may at times occur to Red Delicious, Winesap and other sensitive varieties of apples in early season sprays. Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.

Griffin Captan 4L is an aqueous suspension for use in water as a spray for control of certain fungus diseases in fruit and vegetables.

Mixing Directions: Before mixing, mix contents thoroughly, stir well. Pour recommended amount of the material into spray tank when half full, add balance of water. Maintain agitation during filling and spraying operations. Do not allow mixture to stand. Use a screen not finer than 50 mesh in the entire system.

Compatibility: Griffin Captan 4L may be combined with most commonly used insecticides, adjuvants and fungicides with the exception

of strongly alkaline material such as hydrated lime, which reduces the fungicidal activity. Griffin Captec 4L should not be used in combination with or closely following oil sprays or with solvent formulations of parathion products.

GENERAL INSTRUCTIONS

When low and high rates are indicated for a crop, use the higher rate when conditions favor disease development or when active disease can be found.

The following tables shows minimum recommended spray volumes per acre; however, thorough coverage is essential for best results. This often requires the use of spray volumes per acre greater than shown as minimum; the crop, its stage of growth and size are major factors in determining spray volume required to obtain thorough coverage. Consult local extension service recommendations for spray volumes applicable to your particular crop conditions.

MINIMUM RECOMMENDED SPRAY VOLUMES/ACRE

Dilute	Concentrate	Aerial
100 gallons*	50 gallons	10 gallons

*200 gallons for Apples and Grape Dead Arm Disease

CAPTEC 4L rates are shown on a dilute basis; concentrate and/or aerial sprays may be applied at a rate equivalent to that recommended per acre for dilute sprays so long as maximum rate per acre per application is not exceeded.

APPLICATION INSTRUCTIONS

CROP	DISEASE	RATE IN QTS/100 GALLONS	USE INSTRUCTIONS
Almonds	Brown Rot (Twig Blight), Jacket Rot	0.75 - 1.0	Apply at popcorn bloom, petal fall stages and up to 5 weeks after petal fall. May be sprayed dilute, concentrate or aerial as appropriate for conditions at time of treatment. NOTE: Do not apply within 30 days of harvest. Do not exceed 4.5 quarts per acre per application.
Apples			CAUTION: Do not use in combination with or closely following or in alternation with wettable sulfur products on sulfur sensitive varieties of apples such as Red Delicious, Staymen, Baldwin, King, etc., as severe injury and defoliation may occur.

SPRAYS: For pre-blossom sprays use a dilute spray (200 gallons minimum). Concentrate sprays may be applied at a rate equivalent to that recommended per acre for dilute spray.

(Western Areas)

Apple Scab 0.75 - 1.0

Spray is most effective when used in a protective schedule where the spray is applied before infection occurs. Primary infection of apple scab may occur at any time during and after the green tip stage if over-wintering scab is mature and there is sufficient moisture to discharge spores. Danger from primary infection may extend through the time of the first cover spray.

NOTE: Do not exceed 4.0 quarts per acre per application.

Bitter Rot, 1.0
Black Rot,
Botryosphaeria,
Black Pox,
Bull's Eye Rot

Make 1 or 2 applications with late cover sprays and 1 or 2 preharvest applications. Spray volumes should be used as described for Apple Scab.

NOTE: Do not exceed 4.0 quarts per acre per application.

(Eastern Areas)

Primary scab, 0.75 - 1.0
Black Rot
(Progeye),
Botrytis Blossom
End Rot

Apply at 5 to 7 day intervals as needed to maintain cover in prebloom, bloom, petal fall and first cover sprays.

NOTE: Do not exceed 4.0 quarts per acre per application.

Secondary Scab, 0.5 - 1.0
Brooks Fruit
Spot, Sooty
Blotch, Fly
Speck, Black
Rot, Black Pox,
Botyosphaeria
Rot, Bitter Rot

Apply at 10 to 14 day intervals in second and late cover sprays up to start of harvest.

NOTE: Do not exceed 4.0 quarts per acre per application.

Powdery Mildew 0.5 - 1.0

If powdery mildew is a problem, add 1.5 to 3 pounds sulfur to post bloom sprays until the foliage matures.

NOTE: Do not exceed 4.0 quarts per acre per application.

Apricots	Brown Rot (Twig Blight), Jacket Rot	0.75 - 1.0	Apply at bloom red bud stage and repeat at 75 percent petal fall. May be sprayed dilute or concentrate as appropriate for conditions at time of treatment.
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NOTE: Do not exceed 2.5 quarts per acre per application.

Cherries (Western Areas)	Cherry Leaf Spot, Brown Rot, Botrytis Rot	0.75 - 1.0	Spray at prebloom, bloom, petal fall. For severe infection, use 2 quarts. Repeat in cover sprays. May be applied dilute or concentrate as appropriate for conditions at time of treatment.
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NOTE: Do not exceed 2 quarts per acre per application.

Grapes			May be applied dilute, concentrate or aerial as appropriate for conditions at time of treatment.
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	Downy Mildew, Black Rot	0.75 - 1.0	Apply just before bloom, repeat immediately after bloom. Depending upon susceptibility of grape variety, from 1 to 3 more sprays may be needed at 7 to 10 day intervals.
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NOTE: Do not exceed 2 quarts per acre per application.

(Northeast)	Dead Arm Disease	1.0	Make first application when new growth is 4 to 6 inches long, repeat when growth is 8 to 10 inches long.
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NOTE: Do not exceed 2 quarts per acre per application.

(Western Areas)	Dead Arm Disease	1.0	Apply a minimum of 200 gallons of spray per acre. Start when new shoots are 3 to 4 inches long, and before the first infective rains. Make a second spray when shoots are 12 to 15 inches long and a third spray before the bunches close.
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NOTE: Do not exceed 2 quarts per acre per application.

Nectarines	Brown Rot, Scab, Coryneum Blight (Shot Hole)	0.75 - 1.0	Apply at pink bud, full bloom and petal fall stages. Repeat at 10 to 14 day intervals after petal fall. Make late fall applications (to trees after fruit has been harvested) for Coryneum Blight. May be applied dilute or concentrate as appropriate for conditions at time of treatment.
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NOTE: Do not exceed 4 quarts per acre per application.

Peaches	Brown Rot, Scab, Coryneum Blight (Shot Hole)	0.75 - 1.0	Apply at pink bud, full bloom and petal fall stages. Repeat at 10 to 14 day intervals after petal fall. Make late fall applications (to trees after fruit has been harvested) for Coryneum Blight. May be applied dilute, concentrate or aerial as appropriate for conditions at time of treatment.
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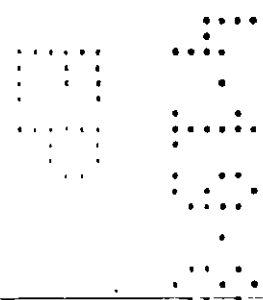
NOTE: Do not exceed 4 quarts per acre per application.

Plums	Brown Rot	1.0 - 3.0	May be sprayed dilute or concentrate as appropriate for conditions at time of treatment.
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NOTE: Do not exceed 3 quarts per acre per application.

MINIMUM RECOMMENDED SPRAY VOLUMES/ACRE

Ground	Aerial
40 gallons	10 gallons



CROP	DISEASE	RATE IN QTS/ACRE	USE INSTRUCTIONS
Strawberries	Botrytis, Leaf Spot	1.5 - 2.5	Apply when new growth starts in spring before fruit starts to form. Repeat weekly. SEVERE INFECTION: Continue through harvest period, treating immediately after each picking.

NOTE: Do not exceed 2.5 quarts per
acre per application.

NOTICE OF WARRANTY

GRIFFIN warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. 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 the manner of use or application, all of which are beyond the control of GRIFFIN. In no case shall GRIFFIN be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. GRIFFIN MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.