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407-290

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

JAN 31 1994

Gene R. Currie  
IMPERIAL INC.  
P. O. Box 98  
Shenandoah, IA 51601

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 08/19/93 in Response to PR Notice 93-7  
EPA Reg. No. 407-290  
IMPERIAL CAPTAN 50W

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

**WHAT THIS ACCEPTANCE MEANS:**

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed, or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

**WHAT YOU NEED TO DO NEXT:**

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.

**BEST AVAILABLE COPY**



Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber

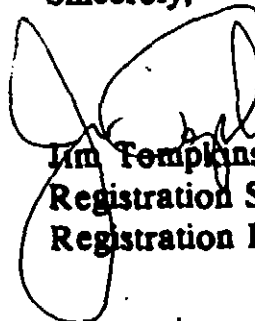
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs (7505C)  
U.S. Environmental Protection Agency  
401 M Street, SW  
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Attachment

**BEST AVAILABLE COPY**

WPS SUBMISSION

IMPERIAL  
CAPTAN 50W

A FUNGICIDE FOR PLANT DISEASE CONTROL

ACTIVE INGREDIENT:

*Captan .....	48.9%
Related Derivatives .....	1.1%
INERT INGREDIENTS: .....	50.0%
TOTAL .....	100.0%

\*N-trichloromethylthio-4-cyclohexene-1,2-dicarboximide.

KEEP OUT OF REACH OF CHILDREN  
DANGER PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. No. 407-290  
EPA Est. 407-IA-1

I-92

Manufactured By  
IMPERIAL INC.  
Shenandoah, IA 51601

NET CONTENTS \_\_\_\_\_

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

JAN 31 1994  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
407-290

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
DANGER**

Causes irreversible eye damage. Harmful if swallowed or inhaled. Avoid inhalation of dust or spray mist. May cause allergic skin reactions. Do not get in eyes. Avoid contact with skin and clothing.

**STATEMENT OF PRACTICAL TREATMENT**

- IF IN EYES:** Flush with plenty of water. Call a physician.
- IF SWALLOWED:** Drink promptly a large quantity of milk, egg whites, gelatin solutions, or if these are not available, drink large quantities of water. Avoid alcohol.
- IF INHALED:** Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.
- IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if abnormal reaction occurs.

**Personal Protective Equipment:**

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Waterproof gloves.
- Shoes plus socks.
- Protective eyewear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturers instructions for cleaning or maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Engineering controls statement:**

When handlers use closed systems, enclosed cabs, or aircraft, in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**USER SAFETY RECOMMENDATIONS**

Users should:

- Wash hands before eating, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. For terrestrial uses, 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 aquatic organisms in neighboring areas. Do not clean equipment or dispose of equipment washwater in a manner that will contaminate water resources.

**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 (PPE), and restricted entry interval. The requirements in this box apply only 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 4 days.

Exception: For the last 48 hours of the REI, workers may enter the treated area to perform hand labor or other tasks involving contact with anything that has been treated, such as plants, soil, or water, without time limit, if they wear the early-entry personal protective equipment listed below.

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:

- Coveralls.
- Waterproof gloves.
- Shoes plus socks.
- Protective eyewear.

**STORAGE AND DISPOSAL**

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

**STORAGE:** Store in original container, in a cool, dry secure area, away from fertilizer, food or feed. Keep container closed.

**PRODUCT DISPOSAL:** Securely wrap original container in several layers of newspaper and discard in trash.

**CONTAINER DISPOSAL:** Do not reuse empty container. Wrap container and put in trash.

Apply using a sprayer capable of giving a fine spray for uniform, thorough coverage. All amounts should be measured in level tablespoons. Constant agitation must be maintained on applying this product.

Apply 1 to 2 pints of spray solution for small or dwarf trees, 1 to 2 quarts for medium-sized trees and 1 to 3 gallons for large trees.

**APPLES** -- To control apple scab, fruit rots, and blotch: Use 3 1/3 tablespoons for each gallon of water. Make applications at 7 to 10 day intervals as needed to maintain cover in pre-bloom, bloom, petal fall and successive cover sprays. Continue applications to within 30 days of harvest to control blotch, up to start of harvest to control fruit rots. Do not make more than 8 applications per growing season.

**CHERRIES** -- To control brown rot and cherry leaf spot, use 1-2/3 tablespoons for each gallon of water. Apply at pink bud, full bloom and petal fall stages. Repeat at 10 to 14-day intervals until harvest. Do not make more than 7 applications per growing season.

**PEACHES** -- To control brown rot, blossom blight, and peach scab, use 1-2/3 tablespoons for each gallon of water. Apply at pink bud, full bloom and petal fall stages. Repeat at 10 to 14 day intervals until harvest. Do not apply to peaches within 21 days of harvest. Do not make more than 8 applications per growing season.

**PLUMS AND FRESH PRUNES** -- To control brown rot and scab, use 2-1/2 tablespoons for each gallon of water. Apply at pink bud, full bloom and petal fall stages. Repeat at 10 to 14-day intervals until harvest. Do not make more than 9 applications per growing season.

**GRAPES** -- To control black rot and botrytis rot, use 1-2/3 tablespoons for each gallon of water. Make two applications before blossoming and 3 or 4 applications at 10 to 15 day intervals following bloom for black rot, 2 applications before bloom, 1 application just after and 3 cover applications before bunches close for botrytis rot. Apply 2 quarts of spray solution to each 100 square feet of row (a row of 4 feet wide by 25 feet long is 100 square feet). Do not make more than 7 applications per growing season.

**STRAWBERRIES** -- To control botrytis fruit rot and leaf spot, use 2-1/2 tablespoons for each gallon of water. Make application when new growth starts and repeat at 7 day intervals. Do not apply within 14 days of harvest. Apply 2 quarts of spray solution to each 100 square feet (an area 10 feet by 10 feet) of plant bed. do not make more than 8 applications per growing season.

**LAWNS & TURF** -- To control brown patch, damping off, leaf spot, root rot, melting out, apply at first signs of disease, using 2-1/2 tablespoons per gallon and apply 10 gallons per 1,000 square feet of turf. Repeat at 7 to 10 day intervals as needed. For melting out, increase dosage to 3-1/2 tablespoons per gallon of water, starting when grass resumes growth in the spring. Repeat at 7 to 10 day intervals as long as cool, wet weather persists.

**ROSES, CARNATIONS, CHRYSANTHEMUMS** -- To control black spot, rust, leaf spot, flower blight, use 2-1/2 tablespoons for each gallon of water. Apply at first signs of disease. Repeat at 7 to 10 day intervals.

**NOTICE**

Buyer assumes all risks of use, storage, or handling of this product when not in strict accordance with directions given herewith.