



4M19 407-370  
file 10/11

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

MAR 18 1991

GENE R. CURRIE  
IMPERIAL INC.  
BOX 98  
SHENANDOAH, IA 51601

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 8/19/93 Response to PR Notice 93-7  
EPA Reg. No. 407-370  
IMPERIAL 50% METHOXYCHLOR WETTABLE POWDER

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.



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

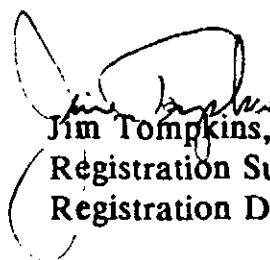
Submit the final printed labeling via the U.S. Postal Service to:

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

IMPERIAL  
50% METHOXYCHLOR  
WETTABLE POWDER

For Certain Insect Pests of Livestock, Forage  
Crops, Fruits, Vegetables, and Stored Grain

ACTIVE INGREDIENT:

Methoxychlor: 1,1,1-trichloro-2, 2-bis (p-  
methoxyphenyl) ethane ..... 50%

INERT INGREDIENTS: ..... 50%

Total ..... 100%

KEEP OUT OF REACH OF CHILDREN  
CAUTION

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. No. 407-370 C-89  
EPA Est. 407-IA-1

Packaged by  
IMPERIAL INC.  
Shenandoah, IA 51601

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION

Avoid inhalation of sprays and dusts. Wash thoroughly after using.

Personal Protective Equipment:

Applicators and other handlers must wear:

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

Follow manufacturer's 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.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating <sup>DRINKING</sup> 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.

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

BEST AVAILABLE COPY

MAY 13 1994  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
407-370

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**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. 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. Do not contaminate water when disposing of equipment washwaters.

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

**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 personnel 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 12 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:

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

**STORAGE AND DISPOSAL**

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

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water, food, or feed by storage or disposal.

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

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## MIXING

Pour into the tank of a power sprayer with the agitator running. Keep agitator running while spraying. Where small sprayers are used, the material should be kept mixed by frequent shaking or rolling of the sprayers. One tablespoonful per gallon is equivalent to one pound per 100 gallons.

## For Use Against Certain Insects Infesting Dairy

Cattle, Livestock, Barns, Warehouses

**FOR SPRAYING OR DIPPING BEEF CATTLE, SHEEP, GOATS, AND NON-LACTATING DAIRY ANIMALS** May be used on young dairy animals up to two weeks of freshening. For horn flies, fleas, and lice -- Use 2 lbs. per 25 gallons water. Pressure should be strong enough to part the animal's hair and wet the skin. Use 2 quarts of spray to treat a mature animal, proportionately less for smaller ones. One treatment will be effective up to 3 weeks under average conditions. For control of tail louse of cattle, except those being finished for slaughter, use 4 lbs. in 25 gallons of water and apply as a spray on the infested tail only. Applications should be repeated as necessary. For direct dusting of dairy cattle see below. Do not apply to lactating dairy animals as a spray or dip. Do not dip calves under one month of age.

**FOR DIRECT DUSTING: DAIRY CATTLE -- LACTATING ANIMALS:** Use one rounded tablespoonful per animal (Do not exceed 3 oz.). Young Dairy Cattle Under 1 Month of Age -- Mix 1 tablespoon with 3 tablespoons of talc (Do not exceed 1 oz.). Sprinkle on poll, neck (top and sides) and back and upper sides. Rub in lightly by hand using non-porous gloves to carry powder beneath the hair. One treatment protects cattle against horn flies for about 3 weeks. Allow 3 weeks between treatments.

**BEEF CATTLE, SHEEP AND GOATS --** For lice and keds dust animals thoroughly; rub in lightly using non-porous gloves, to carry powder beneath the hair. Application on sheep following shearing gives temporary relief from sheep ticks (keds). Do not apply to lactating goats.

**FOR SPRAYING INTERIORS OF BARNs, WAREHOUSES, FOOD PROCESSING PLANTS AND PREMISES** for house flies, stable flies, and mosquitoes -- Use 2 lbs. per 5 gallons of water. Spray and thoroughly wet walls, ceilings, stalls, screens, and other places where flies congregate such as manure piles and rubbish heaps. Applications should be repeated as control diminishes or at first noticeable increase in fly population. Protection for a period up to 4 to 6 weeks may be attained. Cover securely all milk handling equipment, feedstuffs, troughs, bins, or other food and water receptacles while spraying. Dairy animals should not be present while spraying. Do not apply in the edible products areas of food processing plants. Do not use in poultry houses.

**Amount of Spray Required:** Depending on whether surface is smooth or rough, one gallon of finished spray will cover from 600 to 1,000 sq. ft. Surfaces should be wet with spray to the point where it begins to run off.

**FOR EMPTY GRAIN BINS:** As an aid for control of rice weevil, granary weevil, lesser grain borer and certain other insect pests of stored grain, during accessible or exposed stages; and as a treatment to help prevent infestation of newly stored grain, apply 4 lbs. mixed with 9 gallons of water. Make application to thoroughly cleaned surfaces at the rate of 2 gallons of spray mixture per 1,000 sq. ft. Allow sprayed surface to dry before storing grain.

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**For Spraying Fruits, Vegetables,  
and Forage Crops**

NOTE: Do not use more than the following amounts of this material per acre per application. Grapes, blueberries, cranberries, gooseberries, alfalfa, clover, and pasture grasses -- 6 lbs.; potatoes and sweet corn -- 4 1/2 lbs.; raspberries, strawberries, tomatoes, beans, cucurbits -- 3 1/2 lbs.; apples and pears -- 36 lbs.; apricots, cherries, peaches, plums, prunes -- 24 lbs. Remove residues remaining at harvest by washing, brushing, or other effective means.

**MIXING TABLE**

<u>AMOUNT OF PRODUCT</u>		<u>AMOUNT OF WATER</u>
1/2 ounce	IN	1 gallon
2 1/2 ounces	IN	5 gallons
5 ounces	IN	10 gallons
1 pound	IN	30 gallons
3 pounds	IN	100 gallons

**APPLICATION TABLE  
FRUIT TREES**

<u>TREE HEIGHT IN FEET</u>	<u>TREE SPREAD IN FEET</u>	<u>GALLONS OF SPRAY PER TREE</u>
5-8	3-6	1/2-1
8-10	4-8	1-2
10-15	8-15	4-5
15-20	15-25	8-10
20-25	25-30	12-15
25-30	30-40	18-20

**STRAWBERRIES-BLUEBERRIES-GOOSEBERRIES  
BEANS-CUCURBITS-TOMATOES-POTATOES-SWEET CORN**

USE 1/3 OZ. OF SPRAY SOLUTION FOR EACH SQUARE FOOT (AN AREA 1 FT. BY 1 FT.)

<u>AREA TO BE SPRAYED</u>	<u>AMOUNT OF SPRAY</u>
5x5 (25 sq. ft.)	8 ounces
5x10 (50 sq. ft.)	1 pint
10x10 (100 sq. ft.)	1 quart
10x15 (150 sq. ft.)	3 pints
10x20 (200 sq. ft.)	1/2 gallon

**GRAPES**

<u>2 FEET WIDE ROW</u>	<u>AMOUNT OF SPRAY</u>
10 feet long	20 ounces
25 feet long	1 1/2 quarts
50 feet long	3 quarts
75 feet long	4 1/2 quarts
100 feet long	1 1/2 gallons

7/27/77

**APPLES, PEACHES, APRICOTS, CHERRIES, PLOMS AND PRUNES** for plum curculio. Make 2 to 4 applications at 7 - 10 day intervals depending on local conditions. Begin at Petal Fall for apples (for stone fruits begin at Shuck Split). On apples for apple maggot, codling moth, Japanese beetle, and leafhopper; on pears for codling moth; on peaches for codling moth, Japanese beetle; on apricots for codling moth, Japanese beetle; on cherries for codling moth, cherry fruitworm, cherry fruitfly, Japanese beetle and leafhopper; on plums and prunes for codling moth, cherry fruitworm, cherry fruitfly, Japanese beetle and leafhopper -- Apply so as to thoroughly wet all surfaces of foliage and fruit using two or more applications at 7 - 14 day intervals beginning when insects first appear. Do not use on apricots or peaches within 21 days of harvest. Do not use on apples, pear, cherries, plums or prunes within 7 days of harvest.

**GRAPES** To control grape leaf skeletonizer, grape berry moths, and leafhoppers; **BLUEBERRIES AND GOOSEBERRIES** To control Japanese beetle, leafhoppers, leafrollers, raspberry aphids; **STRAWBERRIES** to control meadow spittlebug, strawberry leafroller, strawberry weevil -- Apply so as to thoroughly wet all surfaces of foliage and fruit, using two or more applications at 7 - 14 day intervals beginning when insects first appear. Do not use on raspberries or strawberries within 3 days of harvest. Do not use on grapes, gooseberries, cranberries and blueberries within 14 days of harvest.

**BEANS** To control Mexican bean beetle, bean leaf beetle, bean leafroller, cucumber beetles, flea beetles, Japanese beetles, leafhoppers, velvet bean caterpillar, armyworms, corn earworms. Do not apply within 3 days of harvest. Do not use bean plants for feed or forage.

**CUCURBITS** To control cucumber beetle, flea beetles, leafhoppers. Do not apply within one day of harvest.

**TOMATOES** To control fall armyworm, lacebugs, tomato fruitworms, tomato hornworms, tarnished plant bugs. Do not apply within one day of harvest.

**POTATOES** To control fall armyworm, lacebugs. **SWEET CORN** To control corn earworm, corn rootworm adults. fall armyworm, flea beetles, Japanese beetles, leafhoppers. Do not apply within 7 days of harvest. Do not feed treated corn to livestock. **ALFALFA AND CLOVER** For alfalfa weevil, armyworms, leafhoppers; **PASTURE GRASSES** to control fall armyworms, armyworms, use 2 to 3 lbs. per 100 gallons of water per acre. Apply so as to wet foliage thoroughly. Start applications when insects first appear. Do not apply later than 7 days before harvest or grazing.

**NOTE:** Do not use more than the following amounts of this material per acre per application. Grapes, blueberries, cranberries, gooseberries, alfalfa, clover, and pasture grasses -- 6 lbs.; potatoes and sweet corn -- 4 1/2 lbs.; raspberries, strawberries, tomatoes, beans, cucurbits -- 3 1/2 lbs.; apples and pears -- 36 lbs.; apricots, cherries, peaches, plums, prunes -- 24 lbs. Remove residues remaining at harvest by washing, brushing, or other effective means.

**NOTICE**

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