



Reg # 407-434 PM-14 file 147
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MAR 7 1994

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. 407-434
5 LB. MALATHION SPRAY

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

297

Page 2

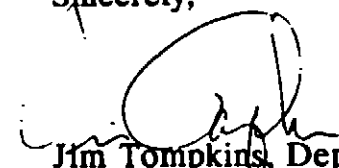
Submit the final printed labeling via the U.S. Postal Service to:

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
5 LB. MALATHION SPRAY

397

Organophosphate

ACTIVE INGREDIENTS:

Malathion: 0,0-dimethyl phosphorodithioate of
diethyl mercaptosuccinate..... 55%

INERT INGREDIENTS: 45%

Total 100%

Contains Light Aromatic Petroleum Distillate
Contains 5 pounds Malathion per gallonKEEP OUT OF REACH OF CHILDREN
WARNING-AVISO

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.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed- Call a physician or Poison Control Center immediately.
Gastric lavage is indicated if material was taken internally.
DO NOT INDUCE VOMITING unless other treatment is not avail-
able. Vomiting may cause aspiration pneumonia. Do not induce
vomiting or give anything by mouth to an unconscious person.
If Inhaled - Remove victim to fresh air. Apply respiration if indicated.
If On Skin - Wash immediately with plenty of soap and water.
If In Eyes - Flush eyes with plenty of water. Call a physician immediately

EPA Reg. No. 407-434
EPA Est. No. 407-IA-1

GDE

Manufactured by
IMPERIAL INC.
Shenandoah, IA 51601

NET CONTENTS _____

ACCEPTED
with COMMENTS
in EPA Letter Dated

MAR 7 1994

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
407-434PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING

May be fatal if swallowed. May be absorbed through skin. Do not breathe
spray mist. Do not get in eyes, on skin or on clothing. Wash thoroughly
after handling. Avoid contamination of food and feed. Keep out of reach
of domestic animals. Do not use on humans, or household pets. Do not
permit children or pets to go onto the sprayed grass until spray has
completely dried.

Use only with adequate ventilation. Do not use this product indoors. Do
not allow contact with treated surface until sprays have dried.

Personal Protective Equipment:

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on a EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as barrier laminate or vitron.
- 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, ^{DRINKING} 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, aquatic invertebrates, and aquatic life stages of amphibians. Do not apply directly to water except as specified on this label. Do not contaminate water by disposal.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill, or store near heat or open flame.

DIRECTIONS FOR USE

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

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 apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in area during application.

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.
- Chemical-resistant gloves, such as barrier laminate or vitron.
- Shoes plus socks.
- Protective eyewear.

Malathion sprays will permanently damage automobile paint. Cars and trucks should not be sprayed. If accidental exposure does occur, the vehicle should be washed immediately.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

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.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

CROPS

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

Apply in a minimum of 3 gallons of water by ground equipment or 3 gallons by air per acre unless otherwise specified.

ALFALFA, CLOVER: For alfalfa weevil larvae, aphids, grasshoppers, lygus bugs, potato leafhoppers, spider mites and spittlebugs use 1-1/2 to 2 pints per acre. For vetch bruchid in alfalfa use 2 to 2-1/2 pints per acre. For clover leaf weevil use 1-1/2 pints per acre. Apply to alfalfa in bloom only in evening or early morning when bees are not working fields or on outside of hive. Do not apply to clover in bloom. May be applied to both alfalfa and clover on day of harvest.

CORN: Field and Sweet-Fer aphids, corn earworm, corn rootworm adults, grasshoppers, sap beetle and thrips, use 1-1/2 pints per acre. For armyworms, use 1-1/2 to 2 pints per acre. For control of corn earworm and sap beetle, begin treatments when 10% of the ears show silk. Repeat at 3 - 5 day intervals until 4 - 5 applications have been made. Do not apply within 5 days of harvest or forage use. When used during the whorl and silk stages injury may occur.

SMALL GRAINS (Barley, Oats, Rye, Wheat): For cereal leaf beetle, use 1 to 1-1/2 pints per acre. For English grain aphids, grasshoppers, and greenbugs, use 1-1/2 pints per acre. For winter grain mite, use 2 pints per acre. Do not apply within 7 days of harvest or forage use.

SORGHUM: For greenbugs, use 1-1/2 pints per acre. Do not apply within 7 days of harvest or forage use.

VETCH: For omniverous leaf tier, pea aphid and vetch bruchid, use 1-1/2 to 2 pints per acre. May be applied on day of harvest or grazing.

PASTURE AND RANGE GRASS, GRASS AND GRASS HAY: For aphids, leafhoppers and grasshoppers use 1-1/2 to 2 pints per acre or 1-1/2 pints in 1 gallon of spray oil per acre. For armyworms, use 2 pints per acre or 1-1/2 pints in one gallon of spray oil per acre. May be applied on day of harvest or grazing.

GRASSES (Barnyard, Canary, Fescue, Orchard, Red Top, Timothy, Yellow Foxtail): For cereal leaf beetle use 1 to 1-1/2 pints per acre. May be applied on day of harvest.

NON-AGRICULTURAL LANDS (Wastelands, Roadsides, Soil Bank Lands): For control of grasshoppers, use 1-1/2 to 3 pints per acre or 1-1/2 to 3 pints in 1 gallon of diesel fuel oil per acre.

POTATOES: For aphids, grasshoppers and leafhoppers, use 2 pints per acre. For false chinch bugs, use 1-1/2 pints per acre. For mealybugs, use 2 to 2-1/2 pints per acre. May be applied on day of harvest.

FLY AND MOSQUITO CONTROL

FLY CONTROL: For use in and around yards, homes and meat and food processing plants. Do not use on interior surfaces of edible products areas of food processing plants, restaurants or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed.

For control of adult flies apply as a spray using 5 Tbls. of this product per 1 gal. water (1 cup per 2-1/2 gal. water or 1 qt. per 12 gal. water). Apply at the rate of 1 gal. finished spray per 1,000 sq. ft. on painted surfaces and 2 gal. per 1,000 sq. ft. on unpainted surfaces where flies alight or congregate, such as fences, around garbage cans, etc.

For control of adult flies and fly maggots apply as a bait spray using 5 Tbls. of this product and 7 Tbls. sugar or molasses (unsulfurized) or corn syrup per 1 gal. water (1 cup of this product and 1 cup sugar or molasses (unsulfurized) or corn syrup per 2-1/2 gal. water; 1 qt. of this product and 2-1/2 lbs. sugar or 1 qt. molasses (unsulfurized) or 1 qt. corn syrup per 12 gal. water). Apply over the surface of manure or poultry droppings in lots or in piles. For effective control, fly-breeding sites such as manure and other waste material, should be eliminated. Do not apply to freshly whitewashed surfaces. Wait 14 days after whitewashing before applying.

Repeat applications as necessary. Avoid contamination of milk, milk equipment and water. Avoid contamination of feed and food products, also drinking fountains and feed troughs.

MOSQUITO CONTROL: For mosquito larvae mix 13 fluid oz. of this product per acre in sufficient water or oil when applied by air or ground equipment. Use in standing water (intermittently flooded areas, stagnant water, temporary rain pools).

For mosquito adults mix 1 part this product to 28 parts water (4-1/2 oz. per 1 gal. water), fuel oil, or diesel oil and spray building foundations, shrubs, low trees and lawn areas. Avoid applying oil-based formulations to valuable ornamental plants as injury may occur.

NOTICE: Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage, or handling of this material not in strict accordance with directions given herewith.