



PM 13 407-350
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460
DEC 2 1993

Labelling
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OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Gene R. Currie
IMPERIAL INC
BOX 98
SHENANDOAH, IA 151601

Subject: Label Amendment Submission of 08/19/93 in Response to PR Notice 93-7
EPA Reg. No. 407-350
IMPERIAL DIAZINON 25%

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

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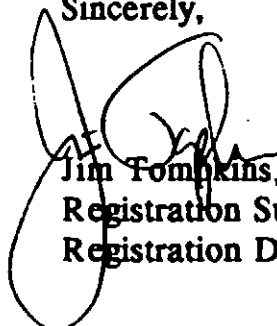
Submit the final printed labeling via the U.S. Postal Service to:

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 INC.
IMPERIAL DIAZINON 25%
EPA Reg. No. 407-350 08/19/93

Original Submission

The apron requirement for "applicators and other handlers" in the Personal Protective Equipment" section on your proposed labeling is missing or incorrect. Remove the incorrect requirement (if any) and add: "Chemical-resistant apron when cleaning equipment, mixing or loading." EXCEPTION: If you have an entirely separate PPE section specifying what "Mixers and loaders must wear," the apron requirement under the header "Applicators and other handlers must wear" is: "Chemical-resistant apron when cleaning equipment". The exact location is shown in Sections A and B on Part I of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

The headgear requirement for "applicators and other handlers" in the "Personal Protective Equipment" section on your proposed labeling is missing or incorrect. Remove the incorrect requirement (if any) and add "Chemical-resistant headgear for overhead exposure". The exact location is shown in Sections A and B on Part I of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

You have incorrectly located the sentence describing the exception to the restricted entry interval when soil-injection or soil-incorporation is used. Move the exception from its present position on your proposed label to immediately following the statement(s) establishing the restricted entry interval inside the Agricultural Use Requirements box. The soil incorporation exception should be placed directly beneath the REI statement.

The headgear requirement for early entry in the Agricultural Use Requirements box on your proposed label is missing or incorrect. Remove the incorrect requirement (if any) and add "Chemical-resistant headgear for overhead exposure." The exact location is shown in Sections F and G on Part 2 of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

There is a typographical error(s) in the Agricultural Use Requirements box.

There is a typographical error(s) in the PPE statements that you added to the Precautionary statements.

There is a typographical error(s) in the Spanish language text.

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C1111 12-19-86-10

WPS SUBMISSION-Container label

THIS PRODUCT MUST NOT BE USED ON GOLF COURSES AND SOD FARMS

**IMPERIAL
DIAZINON 25%
CONTROLS VEGETABLE GARDEN INSECT
PESTS LISTED IN LABEL DIRECTIONS**

Organophosphate

ACTIVE INGREDIENTS:

Diazinon: O,O-Diethyl O-(2-isopropyl-6-methyl-4 pyrimidinyl) phosphorothioate	25.00%
INERT INGREDIENTS*.....	75.00%
Total	100.00%

*Contains xylene range aromatic solvent.

KEEP 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 immediately. DO NOT INDUCE VOMITING UNLESS NO OTHER TREATMENT IS AVAILABLE. Vomiting may cause aspiration pneumonia. If it is necessary to induce vomiting give victim one or two glasses of water and insert finger in back of throat. Do not induce vomiting or give anything by mouth if person is unconscious or convulsing.
- IF INHALED** - Remove victim to fresh air and apply artificial respiration if indicated.
- IF ON SKIN** - Wash promptly with soap and water. Rinse thoroughly.
- IF IN EYES** - Rinse eyes with plenty of water and call a physician immediately.

NOTE TO PHYSICIAN: This product is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulphate by injection is antidotal and may be administered, but only in conjunction with atropine. This product contains a xylene range aromatic solvent which may present an aspiration hazard. Gastric lavage may be indicated if product was taken internally.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Manufactured by
IMPERIAL INC.
Shenandoah, IA 51601

EPA Reg. No. 407-350
EPA Est. 407-IA-1

E-90

NET CONTENTS 1 QUART

ACCEPTED
with COMMENTS
in EPA Letter Dated

DEC 2 1993

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
407-350

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING-AVISO**

May be fatal if swallowed or absorbed through skin. Avoid breathing spray mist. Causes substantial but temporary eye damage. Do not get into eyes, on skin or clothing. Avoid contact with eyes and skin. Do not use in the home. Avoid contamination of feed and foodstuffs. Do not use on household pets or humans. Do not contaminate ornamental fish ponds. Food utensils such as spoons and measuring cups must not be used for food purposes after use in measuring pesticides.

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 F on a EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Coverall over short-sleeved shirt and short pants.
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or vitron.
- Chemical-resistant footwear 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.

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.
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ENVIRONMENTAL HAZARDS

This product is highly toxic to birds, fish, and other wildlife. Birds, especially waterfowl feeding or drinking on treated areas may be killed. Because of the migratory habits of certain Atlantic Coast waterfowl, do not apply this product to lawns in Nassau County, New York, between November 1 and May 20. Do not exceed maximum permitted label rates. Application rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of sprays. Where irrigation (watering) is recommended in the directions, or if waterfowl, i.e., ducks or geese, can be expected in the treated area after treatment (except spot treatment), apply a minimum of 1/4 inch of water immediately after applying this product. Stop irrigation before puddling occurs. Runoff may be hazardous to aquatic organisms in neighboring areas. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab, and other aquatic life are important resources.

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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 by cleaning of equipment or disposal of equipment wash waters. Do not apply this product through any type of irrigation system.

This pesticide is highly toxic to bees exposed to direct treatment or to residues on blooming crops or weeds. Do not apply this pesticide or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

CHEMICAL OR PHYSICAL HAZARDS

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

STORAGE AND DISPOSAL

STORAGE: Do not store near heat or open flame. Store in original container in an area inaccessible to children and pets. USE CONTENTS WITHIN 6 MONTHS AFTER OPENING.

DISPOSAL: Do not reuse empty container. Thoroughly rinse container, securely wrap it in several layers of newspaper and discard in trash. If disposal of a partially full container is necessary, make sure cap is tightly closed, securely wrap the container in several layers of newspaper, and discard in trash.

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 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 over short-sleeved shirt and short pants.
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or vitron.
- Chemical-resistant footwear plus socks.
- Protective eyewear.

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Exception: If the product is soil-injected or soil-incorporated, The Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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HOW TO MIX AND APPLY

1. Determine size of spraying job. For lawns and vegetables, measure the area to be sprayed. Make applications when insects first appear. Repeat applications as needed or as noted in the specific directions for each site.
2. Use clean sprayer. Carefully measure and mix the amount of this product and water as recommended in the directions.
3. Spray as follows: Use coarse drenching sprays for lawns, soil and other surface applications. Use medium-fine mist sprays for foliage applications. Thorough coverage is important. Flush sprayer with clean water after each use.

Conversion Chart

- 1 fl. oz. = 6 teaspoons or 2 tablespoons
- 8 fl. oz. = 1/2 pt. or 1 cup
- 1 fl. oz. (2 tbsp.) in 3 gallons water = 2 teaspoons in 1 gallon water
- 1 fl. oz. (2 tbsp.) in 3 gallons water = 8 fl. oz. in 24 gallons water

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For use on 8 cz., 1 pt., and 1 qt. container

NOTES: (1) USE CONTENTS WITHIN 6 MONTHS AFTER OPENING. SEE "STORAGE AND DISPOSAL" DIRECTIONS. (2) Do not use in the house. (3) Do not use on ferns, poinsettia, hibiscus, papaya, pilea, gardenia or orchids since injury may occur. (4) Do not use on commercially-grown potatoes which will be hand-harvested. (5) Use this product on succulent peas and beans only. Do not use on dried pea or bean varieties.

Precautions: Spray with the wind to your back. Do not spray on windy days.

VEGETABLE FOLIAGE INSECT CONTROL

BEANS (pole, snap, lima): Black bean aphids, Mexican bean beetles, leafminers and cucumber beetles; Mix 2 tbsp. per 3 gallons water per 1,000 sq. ft. Apply at first sign of insects and repeat as necessary. Do not apply within 7 days of harvest. Do not cut forage for hay within 4 days following treatment.

BROCCOLI, CAULIFLOWER, CABBAGE: Aphids, diamondback moths, imported cabbageworms; Mix 2 tbsp. per 3 gallons water per 1,000 sq. ft. Applications at 7-10 day intervals usually are required. Do not apply to broccoli or cauliflower within 5 days of harvest. Do not apply to cabbage within 7 days of harvest.

CARROTS: Aphids; Mix 2 tbsp. per 3 gallons water per 1,000 sq. ft. Apply at first sign of insects and repeat as necessary. Do not apply within 10 days of harvest.

COLLARDS, KALE, AND TURNIP TOPS: Aphids, imported cabbageworms, diamondback moths, Harlequin cabbagebugs, corn earworms; Mix 2 tbsp. per 3 gallons water per 1,000 sq. ft. Apply when insects first appear and repeat as necessary. Do not apply to collards, kale or turnip tops within 10 days of harvest. Do not apply to Swiss chard within 12 days of harvest.

CUCUMBERS: Aphids, serpentine leafminers, thrips; Mix 2 tbsp. per 3 gallons water per 1,000 sq. ft. Apply at first sign of insects and repeat as necessary. Do not apply within 7 days of harvest.

LETTUCE, ENDIVE: Aphids, Dipterous leafminers; Mix 2 tbsp. per 3 gallons water per 1,000 sq. ft. Apply at first sign of insects and repeat as necessary. Do not apply within 10 days of harvest.

MELONS, SQUASH (cantaloupe, casabas, Crenshaws, honeydew, muskmelon, Persian melons, and their hybrids, watermelons and their hybrids; summer and winter squash): Aphids, leafhoppers, mites, serpentine leafminers, thrips; Mix 2 tbsp. per 3 gallons water per 1,000 sq. ft. Apply at first sign of insects and repeat as necessary. Do not apply to melons or winter squash within 3 days of harvest. Do not apply to summer squash within 7 days of harvest.

ONIONS: Onion thrips; Mix 2 tbsp. per 3 gallons water per 1,000 sq. ft. Apply when insects first appear and repeat as necessary. Do not apply within 10 days of harvest.

PEAS: Aphids, leafminers; Mix 2 tbsp. per 3 gallons water per 1,000 sq. ft. Do not cut vines for forage within 4 days of treatment. Apply when insects first appear and repeat as necessary.

PEPPERS: Aphids, serpentine leafminers; Mix 2 tbsp. per 3 gallons water per 1,000 sq. ft. Apply at first sign of insects and repeat as necessary. Do not apply within 5 days of harvest.

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POTATOES: Aphids, flea beetles, Dipterous leafminers, banded cucumber beetles, leafhoppers and Southern armyworms; Mix 2 tbsp. per 3 gallons water per 1,000 sq. ft. Apply when insects first appear and repeat as necessary. Do not apply within 35 days of harvest.

RADISHES, PARSNIPS: Aphids, flea beetles, Dipterous leafminers; Mix 2 tbsp. per 3 gallons water per 1,000 sq. ft. Apply when insects first appear and repeat as necessary. Do not apply within 10 days of harvest.

SPINACH, BEETS: Aphids, Dipterous leafminers; Mix 2 tbsp. per 3 gallons water per 1,000 sq. ft. Apply when insects first appear and repeat as necessary. Do not apply to spinach within 10 days of harvest. Do not apply to beets within 14 days of harvest.

SWEET CORN: Corn earworms; Mix 2 tbsp. per 3 gallons water per 1,000 sq. ft. Apply when silks first appear, 2 or 3 repeat applications may be necessary at 2-3 day intervals.

TOMATOES: Aphids, Dipterous leafminers, banded cucumber beetles, fall armyworms, Southern armyworms; Mix 2 tbsp. per 3 gallons water per 1,000 sq. ft. Apply when insects first appear and repeat as necessary. Do not apply within 1 day of harvest

VEGETABLE SOIL INSECT CONTROL

CUTWORMS (surface and subterranean): Cabbage, carrots, corn, lettuce, peas, pole beans, radishes, red beets, snap beans, tomatoes, and turnips; Apply 3-6 fluid oz. per 1,000 sq. ft. in sufficient water for application. Apply broadcast just before planting. Work into soil immediately, 2-3 inches for surface cutworm, 3-6 inches for subsurface type.

MOLE CRICKETS, WIREWORMS: Cabbage, corn, carrots, lettuce, peas, snap beans, tomatoes; Apply 6 oz. per 1,000 sq. ft. Apply broadcast 1-2 days before planting and work into soil immediately, 1-2 inches for mole crickets, 4-8 inches for wireworms.

Precautions: Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Apply this product only as specified on this label. Because of the migratory habits of certain waterfowl, do not apply in Nassau County, New York, between November 1 and May 20. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds. Avoid overlapping of sprays. When irrigation is recommended in the directions or if waterfowl, i.e., ducks, geese can be expected in the treated area after treatment (except spot treatments), water lawn with at least 1/4 inch water immediately after spraying this product; however, stop watering before puddling occurs.

LAWNS

Use on Bent, Bermuda, Bluegrass, Dichondra, Fescue, Merion and St. Augustine grass.

For the control of sod webworm, lawn billbugs, lawn chinch bugs, crickets, ants, and cutworms. Thoroughly wet down grass a few hours before applying. Mix 1-1/2 tbsp. per 3 gallons of water and apply to 125 sq. ft. For lawn billbugs water area thoroughly immediately after application. For other listed pests, do not water lawn for 1 to 2 days following application. Repeat in 7 to 10 days if necessary. Keep children and pets off treated areas until material is washed into the soil or the grass is dry.