

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUL 20 1994

Mr. Gene R. Currie
Imperial Inc.
P.O. Box 98
Shenandoah, IA 51601-0098

Dear Mr. Currie:

Subject: Amendment- Revise per Diazinon Registration Standard
Imperial Diazinon 25%
EPA Registration Number 407-350
Your submission dated September 1, 1993

This amendment referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(a), is acceptable, provided that you:

1. Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

a. Under Measurement Conversion change "5 fluid ounce.....in 1 gal. of water." to read " 6 fl. oz. = 3/4 cup 2 tablespoons in 3 gals. of water= 2 teaspoons in 1 gal. of water or 6 ozs. in 18 gals. of water".

b. Under NOTES add "(6) Do not apply to food crops grown in greenhouses."

c. On the label wherever "1-1/2" appears change to read "1 1/2".

d. Under DIRECTIONS FOR USE delete "Do not apply this product in such a manner ...until sprays have dried."

CONCURRENCES

SYMBOL	H-2525C						
SURNAME	GA						
DATE	7/2/94						

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e. The submitted statement of composition gives the impurity limits for technical diazinon. We need the upper impurity limits for your product. This can be calculated by multiplying the upper limit percentages in technical diazinon times the nominal concentration of active in your product. Also you need to submit an updated CSF reflecting the same product composition as Ciba's EPA Reg. No. 100-456 product since this product is identical to Ciba's product.

Since this product is for outdoor use around residential sites only it is not within the scope of the Worker Protection Standard (WPS). We assume this labeling will replace labeling accepted under WPS dated December 2, 1993.

3. Submit three (3) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are 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 these conditions.

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

Sincerely,

George T. LaRocca
Product Manager (13)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

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Agency diazinon label changes, August 2, 1993 letter
Container label

THIS PRODUCT MUST NOT BE USED ON GOLF COURSES AND SOD FARMS
FOR OUTDOOR USE ON HOME LAWNS AND GARDENS ONLY

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

ACTIVE INGREDIENTS:

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

* Contains aromatic petroleum distillates

KEEP OUT OF REACH OF CHILDREN

CAUTION

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. Get medical attention.
- IF ON SKIN - Wash promptly with soap and water. Rinse thoroughly. Get medical attention.
- 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 aromatic petroleum distillates 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

H-93

NET CONTENTS _____

BEST AVAILABLE COPY

ACCEPTED
with COMMENTS
to EPA Letter Dated
JUL 20 1994

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

4 7 11

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

May be harmful if swallowed or absorbed through skin. Causes moderate eye damage. Avoid breathing spray mist. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Do not use inside the home. Avoid contamination of feed and foodstuffs. Do not use on household pets or humans. Do not allow children or pets to go onto a treated area until the treated area, such as grass or soil, has dried. 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.

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), water lawn with at least 1/4 inch of water immediately after applying this product, however stop watering before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. 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. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters.

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.

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.

BEST AVAILABLE COPY

DIRECTIONS FOR USE

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

FAILURE TO FOLLOW DIRECTION FOR USE AND PRECAUTIONS ON THE LABEL MAY RESULT IN POOR INSECT CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.

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 enter treated areas without protective clothing until sprays have dried.

HOW TO MIX AND APPLY

1. Determine size of spraying job. For lawns and vegetables, measure the area to be sprayed. For all other applications, apply as a thorough cover spray. Make applications when insects first appear. Applications should be repeated only as directed to maintain control.

2. Use clean sprayer. Carefully measure and mix the amount of this product and water as recommended in the directions.

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.

Measurement Conversions

1 tablespoons = 3 teaspoons

1 fluid ounce = 6 teaspoons or 2 tablespoons

5 fluid ounce = 3/4 cup

1-1/2 tablespoons in 3 gal. of water = 1-1/2 teaspoons in 1 gal. of water.

2 tablespoons in 3 gal. of water = 2 teaspoons in 1 gal. of water.

TAG LABEL-IMPERIAL DIAZINON 25%
August 2, 1993 label changes

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

THIS PRODUCT MUST NOT BE USED ON GOLF COURSES AND SOD FARMS
FOR OUTDOOR USE ON HOME LAWNS AND GARDENS ONLY

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DIAZINON 25%
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Manufactured by
IMPERIAL INC.
Shenandoah, IA 51601

EPA Reg. No. 407-350
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CAUTION**

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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), water lawn with at least 1/4 inch of water immediately after applying this product, however stop watering before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. 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. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters.

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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 enter treated areas without protective clothing until sprays have dried.

HOW TO MIX AND APPLY

1. Determine size of spraying job. For lawns and vegetables, measure the area to be sprayed. For all other applications, apply as a thorough cover spray. Make applications when insects first appear. Applications should be repeated only as directed to maintain control.

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.

Measurement Conversions

1 tablespoons = 3 teaspoons

1 fluid ounce = 6 teaspoons or 2 tablespoons

5 fluid ounce = 3/4 cup

1-1/2 tablespoons in 3 gal. of water = 1-1/2 teaspoons in 1 gal. of water.

2 tablespoons in 3 gal. of water = 2 teaspoons in 1 gal. of water.

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: 1) Wear a long-sleeved shirt and long-legged pants when spraying. 2) Spray with the wind to your back. 3) Do not spray on windy days. 4) If clothing becomes wet from spray during use, remove clothing after spraying, wash affected body areas thoroughly with soap and water, and launder clothing before wearing again.

For foliar or soil applications this product should be applied in the volume of water recommended to assure thorough coverage of foliage and soil. Observe the stated time intervals between last application and harvest as well as intervals between applications and maximum number of applications per season. Do not apply to food crops grown in greenhouses.

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VEGETABLE FOLIAGE INSECT CONTROL

BEANS, Pole, Snap, Lima (succulent varieties only): Aphids, Mexican bean beetles, leafhoppers, grasshoppers, spider mites, and cucumber beetles; Mix 2 tablespoons in 3 gallons of water to cover 1,000 square feet. Thoroughly spray all plant parts. Repeat application every 5 days up to 3 applications per season. Do not apply within 7 days of harvest. Do not use this product on dried beans varieties such as pinto beans or dried limas.

BROCCOLI, CAULIFLOWER, CABBAGE: Aphids, diamondback moths, flea beetles, imported cabbageworms; Mix 2 tablespoons in 3 gallons of water to cover 1,000 square feet. Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply to broccoli or cauliflower within 7 days of harvest. Do not apply to cabbage within 21 days of harvest.

CARROTS: Aphids, flea beetles, leafhoppers, spider mites; Mix 2 tablespoons in 3 gallons of water to cover 1,000 square feet. Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 14 days of harvest.

COLLARDS, KALE: Aphids, imported cabbageworms, diamondback moths, flea beetles; Mix 2 tablespoons in 3 gallons of water to cover 1,000 square feet. Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.

CUCUMBERS: Aphids, thrips, spider mites; Mix 2 tablespoons in 3 gallons of water to cover 1,000 square feet. Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 7 days of harvest.

LETTUCE, ENDIVE: Aphids, flea beetles, leafhoppers, dipterous leafminers, spider mites; Mix 2 tablespoons in 3 gallons of water to cover 1,000 square feet. Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 14 days of harvest.

NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides.

MELONS, SQUASH, (cantaloupe, casabas, Crenshaws, honeydew, muskmelon, Persian melons, and their hybrids, watermelons and their hybrids; summer and winter squash): Aphids, spider mites, thrips; Mix 2 tablespoons in 3 gallons of water to cover 1,000 square feet. Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. 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, (bulb and green): Onion thrips; Mix 2 tablespoons in 3 gallons of water to cover 1,000 square feet. Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 14 days of harvest.

PEAS (succulent only): Aphids, cucumber beetles, grasshoppers, leafhoppers, Mexican bean beetles, spider mites; Mix 2 tablespoons in 3 gallons of water to cover 1,000 square feet. Thoroughly spray all plant parts. Repeat application every 7 days up to 3 applications per season. Allow at least 7 days between last application and harvest. Do not use on dried varieties such as split peas or black-eyed peas.

PEPPERS: Aphids, Colorado potato beetle, flea beetle, leafhopper; Mix 2 tablespoons in 3 gallons of water to cover 1,000 square feet. Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 5 days of harvest.

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POTATOES: Aphids, flea beetles, Dipterous leafminers, Colorado potato beetles, leafhoppers and Southern armyworms; Mix 2 tablespoons in 3 gallons of water to cover 1,000 square feet. Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 35 days of harvest. **NOTE:** Resistant leafminers will not be controlled by diazinon or similar type insecticides.

RADISHES: Aphids, flea beetles, leafhoppers, imported cabbageworms ; Mix 2 tablespoons in 3 gallons of water to cover 1,000 square feet. Thoroughly spray all plant parts. Repeat application every 7 days up to 3 applications per season. Do not apply within 14 days of harvest.

SPINACH: Aphids, flea beetles, leafhoppers, Dipterous leafminers, spider mites; Mix 2 tablespoons in 3 gallons of water to cover 1,000 square feet. Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 14 days of harvest. **NOTE:** Resistant leafminers will not be controlled by diazinon or similar type insecticides.

SWEET CORN: Aphids, thrips, flea beetles, grasshoppers, spider mites ; Mix 2 tablespoons in 3 gallons of water to cover 1,000 square feet. Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Corn may be picked 7 days following application. **NOTE:** To protect bees, do not apply to corn foliage during the pollen shed period.

TOMATOES: Aphids, Colorado potato beetles, fall armyworms, Southern armyworms flea beetles, leafhoppers; Mix 2 tablespoons in 3 gallons of water to cover 1,000 square feet. Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 1 day of harvest.

VEGETABLE SOIL INSECT CONTROL

CUTWORMS: (surface and subterranean): Cabbage, carrots, sweet corn, lettuce, peas, pole beans (succulent), radishes, red beets (table), snap beans (succulent), tomatoes, and turnips; mix 6 tablespoons in a minimum of 1-1/2 gallons of water and apply to 500 square feet. Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworm, 3-6 inches for subsurface type.

WIREWORMS: Cabbage, sweet corn, carrots, lettuce, peas, snap beans, tomatoes; mix 6 tablespoons in a minimum of 1-1/2 gallons of water and apply to 500 square feet. Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.

LAWNS

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 30. 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.

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

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Page-6 Tag label August 2, 1993 label changes Imperial Diazinon 25%

For the control of lawn chinch bugs, thoroughly wet down grass a few hours before applying, mix 1-1/2 tablespoons in 3 gallons of water and apply to cover 125 square feet. In the North, if chinch bugs are the only problem, a lower rate of application can be used: 3 teaspoons in 3 gallons of water applied to cover 125 square feet.

For the control of sod webworm, lawn billbugs, crickets, ants, and cutworms, thoroughly wet down grass a few hours before applying, mix 1-1/2 tablespoons in 3 gallons of water and apply to cover 125 square feet. For lawn billbugs, apply when activity is first observed or when chewed or brown grass is present indicating damage from the insect. For ants, spot spray ant hills.

NOTICE

Seller guarantee shall be limited to the terms of the label, and subject thereto, the buyer assumes any risk to persons or property arising out of use or handling and accepts the product on these conditions.

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