

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460	EPA REGISTRATION NO. 407-426	DATE OF ISSUANCE FEB 17 1987
	TERM OF ISSUANCE	
	NAME OF PESTICIDE-PRODUCT Imperial Disinfectant	

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
 (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Imperial, Inc.
 West Sixth Avenue
 P.O. Box 423
 Shenandoah, IA 51601

161 / 172477
18 / 1

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered under FIFRA section 3(c)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) 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:
 - a. On the label, add "EPA Registration No. 407-426."
 - b. Add the following statement on top of the front panel of the labeling:

This product must not be used on golf courses and sod farms.
 - c. On the Confidential Statement of Formula (CSF), you must provide the following.
 - (1) Provide the upper and lower certified limits based on the pure active ingredients rather than the technical or

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL	DATE
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concentrate. Note that the lower limit of the active including any solvent declared as active, must not fall below the label claim.

(2) You must submit the upper and lower Certified Limits of the individually added inerts.

d. The above requested information must be submitted on the enclosed revised CSF Form. In addition, Column 15 on the current CSF declare 14.14% active for diazinon, however, the label claims only 14.3. The label and CSF must declare the same percentage of active ingredient. This must be corrected.

3. Note the correct declaration of the active ingredient, "Diazinon[O,O-diethyl-O-(2-isopropyl-6-methyl-4-pyrimidinyl)phosphorothioate]."

4. Submit five (5) 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.

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

Enclosures

IMPERIAL

DIAZINON[®] 14G

Recommended For Agricultural/Commercial Use.

ACTIVE INGREDIENT:

Diazinon: O,O-Diethyl O-2(2-Isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate 14.3%

INERT INGREDIENTS: 85.7%

Total 100.0%

DIAZINON[®] Registered trademark Ciba-Geigy

KEEP OUT OF REACH OF CHILDREN (12 pt. type)

CAUTION (18 pt. type)

STATEMENT OF PRACTICAL TREATMENT

- IF SWALLOWED - Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching the back of throat with a finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.
- IF INHALED - Remove victim to fresh air and apply respiration if indicated.
- IN ON SKIN - Remove contaminated clothing and wash affected areas with soap and water.
- IN IN EYES - Flush eyes with plenty of water. Call a physician if irritation persists.

NOTE TO PHYSICIAN: If symptoms of cholinesterase inhibition are present, atropine sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS

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

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Packed By
IMPERIAL INC.
SHENANDOAH, IA 51601

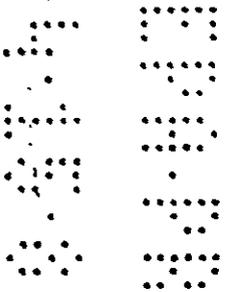
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407-426

8441



No.

(Side Panels)

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION!

Harmful if swallowed. Avoid contamination of food and feed. Do not store near food or feed products. Avoid inhalation of dust. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. May be absorbed through skin.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to any body of water. Birds feeding on treated areas may be killed. Apply this product only as specified on this label. Do not contaminate water by cleaning of equipment or disposal of waste.

This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting the crop, cover crop, or weeds blooming in the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

DIRECTIONS FOR USE

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

To be most effective, this product should be worked into the top few inches of soil immediately unless otherwise noted. Use equipment most suitable for the purpose.

STORAGE AND DISPOSAL

(12 pt. type)

STORAGE: Store in original container only, in a cool, dry, secure area, away from fertilizers, 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: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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FIELD CROP INSECTS

CORN

EUROPEAN CORN BORERS: Apply 7 - 14 lbs. per acre over the corn so granules fall into whorls, when 75% of plants show first-generation borers feeding. Make a second application 7 days later if needed. To control second-generation corn borers, apply 7 - 14 lbs. per acre, as above, when field count shows 100 egg masses per 100 plants. Diazinon 14G may be applied by aircraft for the above use. This material should be uniformly applied to the area to be treated at the recommended rates given above.

FALL ARMYWORMS: Apply 7 - 14 lbs. per acre over the corn so granules fall into whorls when armyworms first appear. Repeat application if necessary.

SOUTHWESTERN CORN BORERS: Apply 7 - 17 lbs. per acre over the corn so granules fall into whorls when second-generation borers first appear. Repeat application one week later.

Note: Do not feed treated fodder to dairy or beef cattle or sheep for 10 days following application. Corn may be picked immediately. Temporary spotting of foliage sometimes occurs following application.

CUTWORMS: Broadcast 14 - 28 lbs. per acre. For surface cutworms apply just prior to planting or when larvae first appear and work into soil 1 - 2 inches. Do not apply after layby. For subterranean cutworms apply just prior to planting and work into soil 3 - 6 inches.

SEED CORN MAGGOTS: Broadcast 14 - 28 lbs. per acre just prior to planting. Work into soil 2 inches.

GARDEN SYMPHYLANS (Centipedes): Broadcast 70 lbs. per acre just prior to planting and work into soil 4 - 8 inches. This preplant treatment will also control other soil insects such as cutworms (surface and subterranean) and wireworms.

WIREWORMS: Broadcast 21 - 28 lbs. per acre before planting. Work into soil 4 - 6 inches.

CORN ROOTWORM LARVAE: (Postemergence Basal Treatment) Apply 4 1/2 - 8 1/2 oz. per 1,000 linear feet of row in a band over the row at first sign of rootworms, but not later than June 24th in the Middle Corn Belt or July 1st in the Northern Corn Belt. Cover treated band with 2 - 3 inches of soil.

Apply amount per acre recommended according to row spacing chart for basal treatment.

LESSER CORNSTALK BORERS: Apply 8 1/2 - 17 oz. per 1,000 linear feet of row in a 10 inch band centered over the row. Make application at planting time or when crop begins to emerge. Cover the treated band with 1 - 2 inches of soil.

Apply amount per acre recommended according to row spacing chart for basal treatment.

SUGGESTED RATES ACCORDING TO CORN ROW SPACING

Row Spacing	Linear Feet of Corn Row Per Acre	Amount of Diazinon 14G per Acre Postemergence Basal Treatment
48"	10,890	3 - 6 lbs.
42"	12,455	3 1/4 - 6 1/2 lbs.
40"	13,068	3 1/2 - 7 lbs.
38"	13,939	3 3/4 - 7 1/2 lbs.
36"	14,520	4 - 8 lbs.
30"	17,424	4 3/4 - 9 1/2 lbs.
24"	21,780	5 1/4 - 11 1/2 lbs.
20"	26,136	7 - 14 lbs.
15"	34,848	9 1/4 - 18 1/2 lbs.

NOTE: For row spacings not listed, calculate the appropriate dosage rates based on the 40 inch row figures.

SORGHUM

CUTWORMS: Broadcast 14 - 28 lbs. per acre just prior to planting. Work into soil 2 - 3 inches to control surface cutworms; 3 - 6 inches to control subterranean cutworms.

LESSER CORNSTALK BORERS: Apply 7 - 14 lbs. per acre in a 10-inch band over the row at planting time or as crop emerges. Cover the band with 1 - 2 inches of soil.

Note: Do not apply directly to the seed furrow as reduction of sorghum seed germination may occur.

SOYBEANS

CUTWORMS: Broadcast 14 - 28 lbs. per acre just prior to planting. Work into soil 2 - 3 inches to control surface cutworms; 3 - 6 inches to control subterranean cutworms.

LESSER CORNSTALK BORERS: Apply 7 - 14 lbs. per acre in a 6-inch band over the row just prior to planting or when soybeans are 1 - 2 inches high. Cover the band with 1 - 2 inches of soil.

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VEGETABLE CROP INSECTS

BROCCOLI, BRUSSELS SPROUTS, CABBAGE AND CAULIFLOWER - Root Maggots: Broadcast 5 - 7 1/2 oz. per 1,000 sq. ft. (1/2 - 3/4 oz. per 100 sq. ft.) before planting or transplanting. Work into soil 3 - 4 inches.

ONIONS - Onion Maggots: Apply 5 - 10 oz. per 1,000 sq. ft. (1/2 - 1 oz. per 100 sq. ft.) as a broadcast soil treatment just prior to planting. Work into soil 3 - 4 inches.

RADISHES - Root Maggots: Apply 3 3/4 - 5 oz. per 1,000 sq. ft. (1/3 - 1/2 oz. per 100 sq. ft.) or 1/2 oz. per 100 linear feet of row in seed furrow at planting time.

POTATOES - Cutworms (surface and subterranean): Broadcast 5 - 10 oz. per 1,000 sq. ft. (1/2 - 1 oz. per 100 sq. ft.) before planting. Work into soil 4 - 6 inches. **Wireworms:** Broadcast 7 1/2 - 15 oz. per 1,000 sq. ft. (3/4 - 1 1/2 oz. per 100 sq. ft.) before planting. Work into soil 4 - 8 inches.

SWEET CORN - Corn Rootworm Larvae: Apply 4 1/2 - 8 1/2 oz. per 1,000 linear feet of row in a band over the row at first sign of rootworms, but not later than June 24th in the Middle Corn Belt or July 1st in the Northern Corn Belt. Cover treated band with 2 - 3 inches of soil. **Cutworms:** Broadcast 5 - 10 oz. per 1,000 sq. ft. (1/2 - 1 oz. per 100 sq. ft.). For surface cutworms apply just prior to planting and work into soil 1 - 2 inches. For subterranean cutworms apply just prior to planting and work into soil 3 - 6 inches. **Seed Corn Maggots:** Broadcast 5 - 10 oz. per 1,000 sq. ft. (1/2 - 1 oz. per 100 sq. ft.) before planting. Work into soil 2 inches.

CUTWORMS: (Surface and Subterranean) Preplant only. For Broccoli, Brussels Sprouts, Cabbage, Muskmelons, Cauliflower, Celery, Collards, Cucumbers, Kale, Lettuce, Lima Beans, Cantaloupes, Parsley, Peas, Peppers, Pole Beans, Snap Beans, Spinach, Summer and Winter Squash, Swiss Chard, Tomatoes, and Watermelons broadcast 5 - 10 oz. per 1,000 sq. ft. (1/2 - 1 oz. per 100 sq. ft.). Work into soil 2 - 3 inches for surface cutworms, 3 - 6 inches for subterranean cutworms.

WIREWORMS: For Broccoli, Brussels Sprouts, Cabbage, Carrots, Cantaloupes, Cauliflower, Celery, Collards, Cucumbers, Kale, Lettuce, Lima Beans, Muskmelons, Onions, Parsley, Peas, Peppers, Pole and Snap Beans, Spinach, Summer and Winter Squash, Sweet Potatoes, Swiss Chard, Tomatoes, and Watermelons broadcast 7 1/2 - 10 oz. per 1,000 sq. ft. (3/4 - 1 oz. per 100 sq. ft.) before planting. Work into soil 4 - 8 inches.

GARDEN SYMPHYLANS (Centipedes): Cabbage, Carrots, Lettuce, Peas, Pole Beans, Radishes, Red Beets, Snap Beans, Tomatoes, Turnips broadcast (1 lb. 10 1/4 oz. per 1,000 sq. ft. or 2 2/3 oz. per 100 sq. ft.) just prior to planting. Work into soil 4 - 8 inches. This preplant treatment will also control other soil insects such as cutworms (surface and subterranean) mole crickets, root maggots, and wireworms.

MOLE CRICKETS: Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Collards, Endive (escarole), Kale, Lettuce, Mustard, Peppers, Radishes, Tomatoes, Turnips broadcast (2 1/2 oz. per 1,000 sq. ft. or 1/4 oz. per 100 sq. ft.) when insects are present. Make application to plant beds or fields 1 - 2 days prior to sowing of seed or transplanting and work into soil 1 - 2 inches.

LAWN INSECTS

PEST	RATE	RATE FOR DENSE LAWN SUCH AS ST. AUGUSTINE	DIRECTIONS
Lawn Cinch	1/2 - 1 lb/1000 sq ft	1 - 1 1/2 lb/1000 sq ft	Rake lawn to work into soil surface. Do not water lawn for 1-2 days following application. Repeat in 7-10 days if necessary.
Furfs	2 1/2 - 5 lb/5000 sq ft	5 - 7 1/2 lb/5000 sq ft	
Sod Webworm	1/2 - 1 lb/1000 sq ft	1 - 1 1/2 lb/1000 sq ft	For Lawn Billbugs water lawn thoroughly immediately after treatment.
	2 1/2 - 5 lb/5000 sq ft	5 - 7 1/2 lb/5000 sq ft	
Cutworms	1/2 - 1 lb/1000 sq ft	1 - 1 1/2 lb/1000 sq ft	
	2 1/2 - 5 lb/5000 sq ft	5 - 7 1/2 lb/5000 sq ft	
Lawn	1/2 - 1 lb/1000 sq ft	1 - 1 1/2 lb/1000 sq ft	
Billbugs	2 1/2 - 5 lb/5000 sq ft	5 - 7 1/2 lb/5000 sq ft	

KEEP CHILDREN AND PETS OFF TREATED AREAS UNTIL WASHED INTO THE SOIL AND GRASS IS DRY.

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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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