

PM-03

Reg # 70-236

9/26/97

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SEP 26 1997

Stacy A. Schmidt
SureCo
10012 N. Dale Mabry Hwy, Suite 221
Tampa, FL 33618

Subject: Rigo Insyst-D
EPA Registration No. 70-236
Amendment dated May 15, 1997

Dear Ms. Schmidt:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable provided that you:

1. Submit two copies of your final printed labeling before you release the product for shipment.
2. Make the following changes to your label:
 - a. In the sentence on page 4 "INSYST-D 15% granular systemic insecticide..... their sap stream of the plant", change the word "their" to "the".
 - b. In the Directions for Use under Ornamentals, add the word "Flowers" for the first set of use rates.
 - c. In the ENVIRONMENTAL HAZARDS statement, delete the phrase "For terrestrial uses" since there are no aquatic uses on the label.

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 bearing the amended labeling constitutes acceptance of these conditions. A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

Beth Edwards

for George T. LaRocca
Product Manager 13
Insecticide Branch
Registration Division (7505C)

Enclosure

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RESTRICTED USE PESTICIDE

Acute oral, dermal, and inhalation toxicity. For retail sale to and use only be certified applicators or persons under their direct supervision and only for these uses covered by the certified applicator's certification.

RIGO INSYST-D

Granular Systemic Insecticide

For Use in Tobacco Beds and Fields to Control Aphids & Flea Beetles
Also recommended for Ornamentals, Strawberries (propagating plants only) and
Raspberries (Nursery Stock in Northeast states only)
Not For Use or Storage in or Around the Home

Active Ingredient:

Disulfoton [0,0-Diethyl S-(2-(ethylthio) ethyl) phosphorodithioate]	15%
Inert Ingredients:	85%
Total:	100%

*DI-SYSTON is a registered trademark of the Parent Company of Farbenfabriken Bayer GmbH Leverkusen

EPA Reg. No. 70-236

EPA Est. No. 769-GA-^{ACCEPTED with COMMENTS}_{EPA Letter Dated}

KEEP OUT OF REACH OF CHILDREN



DANGER-POISON-PELIGRO



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

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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

This product is an organophosphate insecticide

In case of poisoning, call a physician immediately. Have patient lie down and keep quiet.

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 finger. Repeat until fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

If On Skin: Wash skin immediately with soap and warm water.

If In Eyes: Wash with plenty of water. Call physician immediately.

If Inhaled: Remove victim to fresh air. Apply artificial respiration if indicated. Call a physician immediately.

Note To Physician: Symptoms of poisoning include a sense of "tightness" in the chest, sweating, contracted pupils, stomach pains, vomiting and diarrhea. Antidote: Administer

atropine sulfate in large therapeutic doses. Repeat as necessary to the point of tolerance. 2-PAM is also antidotal, and may be administered in conjunction with atropine. Compound inhibits cholinesterase, resulting in stimulation of the central nervous system, the parasympathetic nervous system and the somatic motor nerves. Do not give morphine. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 12 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent, and treated symptomatically.

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

Poisonous if swallowed, inhaled or absorbed through the skin. Rapidly absorbed through the skin. Do not get in eyes, or on skin. Do not breathe dust. Do not contaminate feed or food. Keep out of reach of children.

Personal Protective Equipment:

Applicators and Other Handlers Must Wear:

- Coveralls over long-sleeved shirt and long pants.
- Waterproof gloves.
- Chemical-resistant footwear plus socks.
- Protective eyewear.
- Chemical-resistant headgear for overhead exposure.
- Chemical-resistant apron when cleaning equipment, mixing or loading.
- For exposure outdoors, dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C). For exposures in enclosed areas, a respirator with either an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

Follow manufacturer's instructions for cleaning/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, 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 and wildlife. For terrestrial uses, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high

water mark. Drift and runoff from treated areas may be hazardous to fish in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of wastes. Cover or incorporate spills.

This pesticide is toxic to bees exposed to direct application. Applications should be timed to coincide with periods of minimum bee activity, usually between late evening and early morning.

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 only apply 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 48 hours.

The REI is 72 hours in outdoor areas where average annual rainfall is less than 25 inches a year.

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 long-sleeved shirt and long pants
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

Notify workers of the application by warning orally and by posting signs at entrance to treated areas.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Storage: Do not store in or around the home. Store in original container separate from other pesticides and fertilizer in locked storage.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by Environmental Control Agency, call the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Container Disposal: Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

RESTRICTIONS: Not for home garden use. In commercial topping of flowers by hand, clean gloves should be worn. Do not use on other crops used for food or forage. Use only according to label directions. Application at rates above those shown may result in illegal crop residues. Apply this product only as specified on label. Do not apply this product with a knapsack or other equipment that is placed on the user's body. Do not treat crops grown in the greenhouse. Do not plant any food or feed crop in rotation after a field treatment with disulfoton unless it is registered use for disulfoton.

INSYST-D 15% granular systemic insecticide provides a "built-in" protection because it acts from within their sap stream of the plant. It stops harmful insects before they get started, but does not destroy populations of parasites, predators and pollinators. These beneficial insects continue to live to assist in controlling pests. When INSYST-D is applied at planting time, it is absorbed into the growing plant where it provides many weeks of protection against sucking insects, even season-long protection on some crops. When applied as a side-dressing, INSYST-D moves with the soil moisture and is absorbed by the roots.

As a preplant treatment for ornamental flowers, shrubs and trees, apply granules evenly to seed bed and mix into soil; then place seeds or transplants in the normal manner. Established plants may be treated by distributing granules uniformly under foliage canopy. Mixing the granules into top soil and watering will accelerate entry into the plant, as the chemical will leach into the root zone and can be taken up by the root system.

RECOMMENDED APPLICATIONS
 FOR USE ON TOBACCO, ORNAMENTALS and NON-BEARING FRUIT (Strawberries, Raspberries)

Crop	Insect	Dosage INSYST-D	Remarks
Tobacco Transplant beds	Aphids, Flea Beetles	1 oz per 100 sq. ft. of bed	Apply evenly over bed area using shaker can. Work the granules into the top 2 to 3 inches of soil and seed beds

			in normal manner. An alternative treatment may be made by broadcasting the granules evenly over the plants after emergence, and watering thoroughly. Do not make more than one application to transplant beds.
Tobacco Field Application	Aphids Flea Beetles	20 to 40 oz per 1,000 ft of row (For any row spacing*), or 13.3 to 26.7 lbs per acre (broadcast or with 48 inch row spacing)	Apply in a 6 to 12 inch band over the row, or as a broadcast treatment immediately before transplanting. Incorporate the granules by working them into the top 2 or 3 inches of soil. Plant crop in the usual way. Do not make more than 1 field application per crop season, regardless of DI-SYSTON formulation used.
	Southern Potato Wireworm	13.3 to 26.7 lbs per acre	When applied as described for "Field Application" above. INSYST-D will aid in control of this wireworm.
Non-Bearing Strawberries (Propagating plants only)	Aphids, Mites (except cyclamen mite)	17 to 34.4 oz per 1,000 ft. of row (for any row spacing*) or 13.3 to 26.7 lbs per acre (42 inch row spacing)	Apply, by side-dressing on each side of the row, or by broadcasting over the row as needed. Do not use fruit from treated plants for food purposes.
Non-Bearing Raspberries	Aphids	53.3 lbs per acre	Band Application: Apply specified

<p>(Nursery stock in Northeast states only) •</p>			<p>dosage in a 24 inch band over the row to new or established plantings. Work granules 2 to 3 inches into the soil, using a cultivator or other alternative treatment may be made by other suitable equipment. A second application of granules may be applied to the soil later in the season. Consult your State Agricultural Experiment Station or Extension Service for proper timing of applications.</p>
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*ON ROW CROPS WHERE ROW SPACING IS EXTREMELY NARROW, DO NOT PLACE TREATED ZONES (BAND OR FURROW) CLOSER TOGETHER THAN 6 INCHES.

<p>Ornamentals (For Use by Commercial Growers or Professional Applicators Only)</p> <p>Flowers</p>	<p>Aphids, Lace Bug, Leafhoppers, Mites, Thrips, Whiteflies</p>	<p>10.7 oz per 150 to 300 feet of row</p>	<p>Apply in a band on each side of the seed furrow, or as a band over the row. Work into soil, and water thoroughly. For treatment of Easter lilies and gladiolus, apply the specified dosage in the furrow over the bulbs after they are set, but before covering with soil. Do not make in-furrow applications to garden lily bulbs. The higher dosage is recommended for heavy organic or muck soils.</p>
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Shrubs, Trees	Aphids, Birch leafminer, Camelia scale, Elm Leaf Beetle, European Elm scale, Holly Leafminer, Lace bug, Leafhoppers, Mimosa webworm, Mites, Pine Tip Moth, Soft scale (Coccus hesperidium), Tea scale, Thrips, Whiteflies	2.5 to 27 oz per tree, or 2.5 oz per inch of trunk diameter	Spread granules uniformly from trunk to drip line on all sides. Work soil and water thoroughly. The higher dosage is recommended for heavy organic or muck soils. For transplanting, equivalent quantities should be applied into planting hole or by dipping seedling in a pudding clay slurry made up of 1 part by weight INSYST-D 15% granular in 6 to 14 parts by weight of clay.
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WARRANTY AND LIMITATIONS OF DAMAGES: Seller warrants that this material conforms to its chemical description and is reasonable fit for the purpose stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions.

Manufactured By:
SureCo, Inc.
Fort Valley, GA 31030

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