

Reg # 3125-172

PM-15

195

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

SEP 18 1989

Handwritten: 251752 / 300
16 / 17

Mr. John S. Thornton
Mobay Corporation
Agricultural Chemicals Division
P.O. Box 4913
Kansas City, MO 64120

Dear Mr. Thornton:

Subject: Amendment - Label Modification to the Ornamental Section
DT-SYSTON 15% Granular Systemic Insecticide
EPA Registration No. 3125-172
Your Application Dated June 24, 1989

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act is acceptable provided that you make the labeling change indicated below prior to release for shipment of product bearing the amended labeling.

- delete "potting soil" from the paragraph on page 1 since no instructions are given for incorporating this product into potting soil media.

Submit five (5) copies of your final printed labeling before you release the product for shipment.

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

Sincerely yours,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (475050)

Enclosure

BEST AVAILABLE COPY

55312:I:Richards:LLR-10:KENCO:09/08/89:10/20/89:DD:sw:vo:ek:dq

CONCURRENCES

SYMBOL	SURNAME	DATE					

285

172-6450.YLD

Base Pre-Reg. (6450)

U.S. LABEL

Reason to Issue: To revise use on
ornamentals.

Date of Draft: 6/14/88 (Pre-Reg) (S)
Supersedes Pre-Reg Draft Dated: 10/24/84

EPA Reg. No. 3125-172

RESTRICTED USE PESTICIDE

Acute human oral, dermal, and inhalation toxicity

For retail sale to and use only by Certified Applicators or persons
under their direct supervision and only for those uses covered by
the Certified Applicator's certification.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

SEP 18 1988

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

3125-172

DI-SYSTON
15% GRANULAR
SYSTEMIC INSECTICIDE

ACTIVE INGREDIENT:

O,O-Diethyl S-[2-(ethylthio)ethyl]
phosphorodithioate 15%

AMENDMENT TO PREVIOUSLY REGISTERED LABELING

REVISE TO READ AS FOLLOWS:

As a preplant treatment for ornamental flowers, shrubs, and trees, apply granules evenly to seed bed or potting soil and mix into soil; seeds or transplants are then placed in the normal manner. Established plants may be treated by distributing granules uniformly under foliage canopy. Work the granules uniformly into top soil and water thoroughly. The active ingredient will move into the root zone and be taken up by the root system.

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DI-SYSTON 15% Granular Systemic Insecticide

RECOMMENDED APPLICATIONS

CROP	PEST	DOSAGE DI-SYSTON 15% G	REMARKS
ORNAMENTALS Flowers and Ground covers	Aphids Lace bug Leafhoppers Mites Thrips Whiteflies	3.5 to 7.25 ozs per 100 ft. of row	<p style="text-align: center;"><u>ROW TREATMENT</u></p> <p>As a row treatment apply in a band on each side of the seed furrow, or as a band over the row. Incorporate thoroughly into soil and water heavily. The higher dosage is recommended for heavy organic or muck soils. For treatment of Easter lilies and gladiolus, apply 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.</p>
		1 oz per 100 sq. ft.	<p style="text-align: center;"><u>BROADCAST</u></p> <p>For mass plantings apply as a broadcast treatment and incorporate into the soil before planting or apply after plants are established. Granules must be incorporated in the soil by mechanical means or thoroughly watered in so no pesticide remains on the soil surface. Repeat applications at 4 to 6 week intervals if necessary. SEE NOTE.</p>
		0.25 gm/sq. ft.	<p style="text-align: center;"><u>POTTED PLANTS</u></p> <p>For application to potted plants, determine surface area of container, (radius squared X 3.1416 equals area of container). Apply appropriate amount of DI-SYSTON 15% Granular by thorough incorporation as directed. SEE NOTE.</p>

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DI-SYSTON 15% Granular Systemic insecticide

RECOMMENDED APPLICATIONS

CROP	PEST	DOSAGE DI-SYSTON 15% G	REMARKS
ORNAMENTALS (Cont'd) Shrubs Trees Including Christmas trees	Aphids Birch leaf miner Camellia scale Elm leaf beetle European elm scale Holly leaf miner Lace bug Leafhoppers Mimosa webworm Mites Pine tip moth Soft scale (<u>Coccus hesperidium</u>) Tea scale Thrips Whiteflies	<u>SHRUBS</u> 3.75 to 7.5 grams per foot of height	<u>SHRUBS</u> Apply specified dosage per foot of shrub height. For shrubs 1-3 feet tall apply the lower rate and on plants 3-6 feet in height apply the higher rate. Distribute granules uniformly under the shrub canopy, incorporate thoroughly into the soil, and water heavily. (SEE NOTE.) Repeat applications at 4 to 6 week intervals if necessary.
		<u>TREES</u> 2.5 ounces per inch of trunk diameter measured 4 ft. from the ground	<u>TREES</u> <u>Broadcast:</u> Spread granules uniformly from trunk to drip line on all sides. Incorporate thoroughly into soil and water heavily so that no pesticide remains on the soil surface. (SEE NOTE.) <u>Transplants:</u> For transplanting, equivalent quantities should be applied planting hole. Uniformly mix DI-SYSTON 15% Granular in the bottom one-half of the backfilled soil when planting. A minimum of 6 inches of untreated soil should be placed on the backfilled soil.
		2.5 ounces per inch of trunk diameter measured 4 ft. from the ground.	<u>Soil Implant:</u> With an auger or soil sampling tool, dig 2 equally spaced holes for each inch of trunk diameter. (Do not use less than 4 holes per tree.) Dig the holes 9 to 12 inches deep under the drip line. Place an equal amount of DI-SYSTON 15% Granular in each hole. Fill the holes to the surface with soil, compress, and add additional soil to level. Keep the treated area moist for 7 to 10 days.
		5 lbs per 1000 linear feet of row or a soil injection 4 to 6 inches beneath the soil surface in 1 or 2 linear application trenches.	<u>Soil Injection:</u> Use an opening disk or shoe to make a furrow 4 to 6 inches deep between trunk and dripline of tree parallel to the direction of the row. Apply DI-SYSTON 15% Granular thru a tube so that the material is deposited in the bottom of the furrow. A device to close and seal the furrow should be used following the placement of the material so that no granules are present on the soil surface.

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DI-SYSTON 15% Granular Systemic insecticide

NOTE: When incorporating DI-SYSTON 15% Granular by hand, heavy rubber or latex gloves, with no holes or tears, protective clothing, and footwear should be worn at all times.

Equivalent Measures of
DI-SYSTON 15% Granular

- 1 level teaspoonful = 3 grams
- 10 level teaspoonfuls = 1 oz.
- Area of 12" pot = 0.75 sq. ft.

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