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MAR - 1 1989

Mr. John S. Thornton
 Mobay Corporation
 Agricultural Chemicals Division
 P.O. Box 4913
 Kansas City, MO 64120-0013

Dear Mr. Thornton:

Subject: Amendment - Response to Disulfoton Registration Standard
 (Revised Labeling)
 Di-Syston Systemic Insecticide Granules for Roses, Shrubs,
 Flowers, and Tomatoes
 EPA Registration No. 3125-116
 Your Application Dated July 2nd, 1985

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 changes indicated below prior to release for shipment of the product bearing the amended labeling.

1. The word "Disulfoton" should precede the chemical name in the ingredients statement.
2. Update the Environmental Hazards statement by changing "cleaning of equipment or disposal of wastes" to "disposing of equipment washwaters."
3. In the Note to Physician, change the chemical name to "Disulfoton."
4. To the precautionary statements, add "Wear rubber gloves when handling this product."
5. Revise the statement to read:

May be fatal if swallowed or inhaled. Rapidly absorbed through skin. Do not breathe dust. Do not get in eyes, on skin or clothing. Wear rubber gloves when applying this product.

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CONCURRENCES

SYMBOL							
SURNAME							
DATE							

6. You are reminded that this product must be in child-resistant packaging.

Please provide the specification sheets for the clay and specify the type clay used in this product. Also, submit a new Confidential Statement of Formula which includes the certified limits.

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 (H7505C)

Enclosure

307

BLD32

Base Reg. (5244)

U.S. LABEL-(S)

Reason to Issue: To update in accordance with reregistration guidance document.

Date of Draft: 7/16/85 (S)
Supersedes Draft Dated: 11/19/68

EPA Reg. No. 3125-116

® DI-SYSTON

SYSTEMIC INSECTICIDE

GRANULES

FOR ROSES, SHRUBS, FLOWERS, TOMATOES

Protects plants, such as roses, chrysanthemums, azaleas, pyracantha, spirea, birch, and other flowers and shrubs from damage by aphids, spider mites, thrips, leaf miners, whiteflies, lace bugs, leafhoppers, and certain other pests.

ACTIVE INGREDIENT:

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

INERT INGREDIENTS: 98%
100%

EPA Reg. No. 3125-116

EPA Est. No. 3125-IA-1

WARNING

KEEP OUT OF REACH OF CHILDREN

(See Side Panel for Statements of Practical Treatment and Other Precautionary Statements)

STOP - READ THE LABEL BEFORE USE

NET CONTENTS 3 1/2 POUNDS

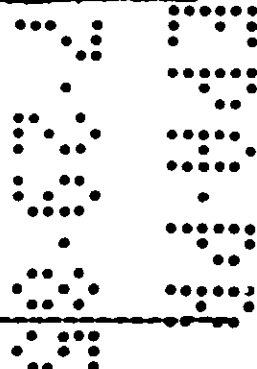
MOBAY CHEMICAL CORPORATION
AGRICULTURAL CHEMICALS DIVISION
P. O. Box 4913, Kansas City, MO 64120

ACCEPTED
COMMENTS
Re: EPA Letter Dated:

MAR 1, 1989

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

3125-116



DI-SYSTON Granules

AVISO

PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(THE THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

DIRECTIONS FOR USE

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

IMPORTANT: Read these entire Directions and Conditions of Sale before using DI-SYSTON Insecticide Granules.

CONDITIONS OF SALE: THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE THE DIRECTIONS FOR CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED FOR A RANGE OF WEATHER CONDITIONS SIMILAR TO THOSE WEATHER CONDITIONS THAT ARE ORDINARY AND CUSTOMARY IN THE GEOGRAPHIC AREA WHERE THE PRODUCT IS USED. INSUFFICIENT CONTROL OF PESTS AND/OR INJURY TO THE CROP TO WHICH THE PRODUCT IS APPLIED MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL WEATHER, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO OTHER CROPS, ANIMALS, MAN, OR THE ENVIRONMENT. MOBAY OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL WEATHER, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF MOBAY AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

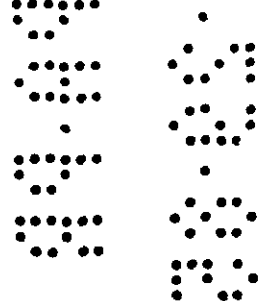
HOW INSECTS ARE KILLED:

DI-SYSTON Systemic Insecticide enters a plant through its roots (systemic action) and is then moved to all parts of the plant through natural growth and sap flow. Working from inside the plant, it kills sucking insects that feed on the plant.

HOW TO USE:

Apply the read-to-use granules uniformly (see Recommended Applications) to the soil around the base of the plant. Mix the granules into the top soil, then water. The chemical, released from the granules, will leach into the root zone and be absorbed into the plant. The granules can also be scattered over planting beds and mixed into the top soil before sowing seed or setting bulbs or transplants. Additional applications of DI-SYSTON Systemic Insecticide Granules can be made as needed to maintain insect control after the plants start to grow.

NOTE: THE CAP OF THIS CONTAINER, LEVEL FULL, HOLDS APPROXIMATELY ONE ROUNDED TEASPOONFUL OF DI-SYSTON GRANULES. *(Printer see below).



DI-SYSTEM Granules

RECOMMENDED APPLICATIONS

AMOUNT TO USE

FOR FLOWERS

Ageratum
Calendula
Carnation
Chrysanthemum
Delphinium
Petunia
& other
flowers

TO CONTROL

Aphids (plant lice)
Lace bug
Leafhoppers
Spider mites
Thrips
Whiteflies

BEFORE PLANTING:

Apply 16 ounces evenly over 200 square feet (10 x 20 ft.) of bed area and work into the top 2 to 3 inches of soil. Sow seed or set plants and water thoroughly.

GROWING PLANTS:

For Individual Plants: Apply one rounded teaspoonful around base of plant, work into soil and water thoroughly.

For Flowers in a Row: Apply one rounded teaspoonful per foot of row in a narrow band near base of plants. Work into top soil and water thoroughly. Repeat application at 4- to 6-week intervals if insects reappear.

FOR SHRUBS

Azalea
Birch
Camellia
Euonymus
Moraine locust
Pine
Rhododendron
Roses
Yew
& other shrubs

TO CONTROL

Aphids (plant lice)
Birch leaf miner
Camellia scale
Holly leaf miner
Lace bug
Leafhoppers
Mimosa webworm
Pine tip moth
Soft scale (Coccus hesperidium)
Spider mites
Tea scale
Thrips
Whiteflies

POTTED PLANTS:

Apply one rounded teaspoonful per 6-inch pot. Mix thoroughly in top soil and drench with water.

AMOUNT TO USE

Apply 2 to 4 rounded tablespoonfuls per foot of shrub height. Use the lower rate for shrubs up to 3 ft. and the higher rate for shrubs from 3 to 6 ft. in height. (For shrubs over 6 ft. in height, use METASYSTOX-R 2 Ornamental Insecticide according to label directions.) Distribute the required amount evenly from the base of shrub to the drip line on all sides of the plant. Work into the top 1 to 2 inches of soil and water thoroughly. Repeat application at 4- to 6-week intervals if required.

*Recommendation for use of the cap for measuring purposes will not be included on the printed label unless a handle is provided on the cap.

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DI-SYSTON Granules

RECOMMENDED APPLICATIONS (Cont'd)

FOR TOMATOES

TO CONTROL

AMOUNT TO USE

Aphids
Flea beetle
Leafhoppers
Leaf miners
Mites

In the Seed Furrow: Apply one rounded teaspoonful per foot of row. Place the granules either below or to one side of seed. Do not allow seed to come into contact with the granules.

In the Transplant Hole: Apply one rounded teaspoonful per plant in the transplant hole. Mix granules with soil in hole prior to setting plant.

RESTRICTIONS

Use this product only in accordance with label directions.

Do not apply broadcast applications to lawns. Food utensils such as teaspoon or measuring cup should not be used for food purposes after use with insecticides.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Poisoning may occur as a result of exposure. May be fatal if swallowed. May be absorbed through skin. Do not breathe dust. Do not get in eyes, on skin or on clothing.

Do not contaminate feed or food. Keep out of reach of children. Wash thoroughly after handling. Keep children and pets off treated areas until product is worked into the soil and the treated areas have dried completely.

STATEMENTS OF PRACTICAL TREATMENT

If swallowed, vomiting should be induced. Administer water freely and induce vomiting by giving one dose (1/2 oz. or 15 ml.) of syrup of ipecac. If vomiting does not occur within 10 to 20 minutes, administer second dose. Repeat until vomit fluid is clear. Never give anything by mouth to an unconscious person. Have patient lie down and keep quiet. Professional medical assistance should be secured immediately.

If inhaled: remove victim to fresh air. Apply artificial respiration if indicated. If on skin, remove contaminated clothing and wash affected areas with soap and water. If in eyes, flush eyes with plenty of water. Call a physician if irritation persists.

Note to Physician, O,O-Diethyl S-[2-(ethylthio)ethyl] phosphorodithioate is a cholinesterase inhibitor. Atropine sulfate is antidotal only if signs of cholinesterase inhibition are present. 2-PAM is also antidotal and may be administered in conjunction with atropine.

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DI-SYSTON Granules

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Do not apply directly to water or wetlands. 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.

STORAGE AND DISPOSAL

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

Do not reuse empty container. Securely wrap original container in several newspapers and put in trash collection.

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Dispose of pesticide as directed above. In spill or leak incidents, keep unauthorized people away. You may contact the Mobay Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Mobay Kansas City Emergency Response Telephone No. is 816-242-2582, or contact Chemtrec at 800-424-9300.

DI-SYSTON is a Reg. TM of the Parent Company of Farbenfabriken Bayer GmbH, Leverkusen.

