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MAR 13 1990

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Ms. Rebecca Blumenthal
 Miller Chemical and Fertilizer Corporation
 P.O. Box 333, Radio Road
 Hanover, PA 17331

Dear Ms. Blumenthal:

Subject: Amendment - Disulfoton Reregistration/Alternate
 Formulation
 Science Systemic Insecticide Granules
 EPA Registration No. 2125-42
 Your Applications Dated March 12, June 20, October 29
 and December 9, 1985 and May 11, 1988

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

1. The common name "Disulfoton" should precede the chemical name in the ingredients statements.

2. Change the Note to Physician to:

Note to Physician: Disulfoton is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine.

3. To the If Inhaled statement add "Apply artificial respiration if indicated."

4. Update the Environmental Hazards statement by changing "by cleaning of equipment or disposal of wastes" to "when disposing of equipment washwaters."

5. The sentence should read "Do not feed treated vines or hay to livestock" in both places it appears on the label.

6. The Re-entry paragraph plus the following paragraph regarding crop rotation may be deleted since these statements pertain to agricultural use.

7. You may delete the bee statement since this type of product (granular) and method of application (soil) would not justify such a statement.

Richards

Please provide the following product chemistry information:

a) Certification of Limits (for basic formula statement dated 10/12/83) - upper and lower limits of each active and individually added inert component, together with a brief discussion of how these limits were established - by analysis or calculation. Active ingredients are normally determined by analysis, and inerts by calculation from weighings during the formulation process. Please note the lower limit for the active ingredient must not fall below the label claim.

b) Density - e.g. lbs/gallon for liquids or lbs /cubic feet for solids.

The alternate formulation submitted May 11, 1988 is acceptable and has been made a part of the record for this product.

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)

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SYSTEMIC INSECTICIDE GRANULES

FOR: ROSES • SHRUBS • FLOWERS • VEGETABLES

Enters Plants Through Roots. Kills Sucking Insects When They Feed On Plants--Contains DI-SYSTON®

ACTIVE INGREDIENT:	BY WEIGHT
0,0-Diethyl S-[2-(ethylthio)ethyl] phosphorodithioate*.....	1%
INERT INGREDIENTS:.....	99%
TOTAL.....	100%

DI-SYSTON® - is a Registered Trademark of Farbenfabriken Bayer A.G.

U.S. Patent No. 2,759,010

Canadian Patent No. 518,967

EPA Reg. No. 2125-42

EPA Est. No. 72-PA-1

KEEP OUT OF REACH OF CHILDREN

WARNING

AVISO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado ampliamente.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Repeat until vomit fluid is clear. Call a physician or Poison Control Center. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

IF INHALED: Remove from exposure. Have victim lie down and keep quiet.

IF IN EYES: Flush with plenty of water. Get medical attention.

IF ON SKIN: Remove contaminated clothing. Wash affected area with soap and water. Launder clothes before reusing.

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 PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

Science Products Division
MILLER CHEMICAL & FERTILIZER CORPORATION
Hanover, Pennsylvania 17331

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NET WEIGHT: 8 OUNCES
1½ POUNDS
3 POUNDS

2125-42

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS: WARNING--May be fatal if swallowed. May be absorbed through the skin. Do not get in eyes, on skin or clothing. Do not breathe dust. Wear rubber gloves and long-sleeved work clothing when handling and applying this product. Wash thoroughly with soap and water after handling and before eating and smoking. Keep children and pets off treated areas until material has been worked into soil. Do not make broadcast applications to lawns. Food utensils such as a teaspoon or measuring cup should not be used for food after use with pesticides.

ENVIRONMENTAL HAZARD

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.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store in tightly closed, original container in a locked area away from children and domestic animals. Do not reuse empty container. For Disposal, securely wrap original container in several layers of newspaper and discard in trash.

RE-ENTRY AND ADDITIONAL APPLICATION RESTRICTIONS REQUIRING HAND LABOR TASKS

Do not allow re-entry into treated fields within 24 hours of application unless appropriate protective clothing is worn.

DIRECTIONS FOR USE ON AGRICULTURAL CROPS REQUIRING FARMWORKER HAND LABOR TASKS

Do not plant any food or feed crop in rotation after a field treatment with disulfoton unless it is a registered use for disulfoton.

HOW INSECTS ARE KILLED

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.

DIRECTIONS

FLOWERS: Controls aphids, lace bug, leafhoppers, mites, thrips, whiteflies on Ageratum, Calendula, Carnation, Chrysanthemums, Delphinium, Petunia, and other flowers. **BEDS:** Apply 1 pound of this material evenly, before planting, over a 100 sq. ft. area and work into the soil. Or broadcast on soil after plants are established. Water thoroughly after application.

IN THE ROW: Apply two (2) rounded teaspoons this product per foot of row in the seed furrow. Work into the soil and water thoroughly. **Established Plants:** Apply 2 rounded teaspoons per foot of row in a narrow band near base of plants. Work into top soil and water thoroughly. **Individual Plants:** Apply 2 rounded teaspoons around base of plant, work into soil and water thoroughly. **POTTED PLANTS:** Apply 2 rounded teaspoonsful per 6 inch pot. Mix thoroughly into top soil and drench soil with water. Repeat applications at 4 to 6 week intervals if insects reappear.

SHRUBS: Controls aphids, birch leaf miner, camellia scale, holly leaf miner, lace bug, leafhoppers, mimosa webworm, mites, pine tip moth, soft scale, tea scale, thrips, whiteflies on Azalea, Birch, Camellia, Euonymus, Pine, Rhododendron, Roses, Yew and other shrubs. Apply 4 to 8 rounded tablespoons per foot of shrub height. Use lower rate for shrubs up to 3 feet; use higher rate for shrubs from 3 to 6 feet in height. Distribute the granules evenly from the base of shrub to the drip line on all sides of the plant. Work into top soil and water thoroughly. Repeat at 4 to 6 week intervals if necessary.

VEGETABLES: DO NOT ALLOW SEED TO COME IN CONTACT WITH GRANULES AT ANY TIME. DO NOT APPLY WITHIN THE NUMBER OF DAYS OF HARVEST SHOWN AFTER CROP NAME.

BEANS (Snap, Green, Lima). Controls aphids, leafhoppers, Mexican bean beetle larvae, mites, thrips. In rows 24 inches apart. Use 7 oz. (20 tablespoons) per 50 feet of row. Apply at planting time only in a band on each side of the seed furrow. DO NOT FEED VINES OR HAY.

BRUSSELS SPROUTS (30), BROCCOLI (14), CABBAGE (42), CAULIFLOWER (40). Controls aphids, flea beetles, leafhoppers, mites, thrips. Use 5 oz. (14 rounded tablespoons) per 50 feet of row. Apply as a band on each side of the seed furrow at planting time, or as a side dressing after plants become established. Do not apply more than twice per season for Brussels Sprouts or Cauliflower. Make only 1 application per season for Broccoli, Cabbage. Individual Transplants: Mix 2 level teaspoons with soil in the transplant hole before setting out plant.

LETTUCE, PEAS. Controls aphids, leafhoppers, mites, thrips. In rows 18 inches apart. Use 5 oz. (14 rounded tablespoons) for lettuce, 2 1/2 oz. (7 rounded tablespoons) for peas, per 50 feet of row at planting time only. Apply as a band on each side of the seed furrow. DO NOT FEED VINES OR HAY.

LIMITED WARRANTY: Seller makes no warranty or guarantee of any kind, express or implied, concerning effects of use of this product, other than those specified on this label. Buyer, or User, accepts all responsibility for results due to misuse of this product.