

APR 8 1991

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Mr. Matthew D. Vickers
Voluntary Purchasing Group, Inc.
P.O. Box 460
Bonham, TX 75418

Dear Mr. Vickers:

Subject: Reregistration of Products Containing Disulfoton,
Alternate Source of Active and Additional Brand Name
Hi-Yield Di-Syston Systemic Insecticide Granules
EPA Registration No. 7401-323
Your Application Dated August 13, 1986
and February 11, 1987

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

1. The word "Disulfoton" should precede the chemical name in the ingredients statement.

2. Revise the first part of the precautionary statements as follows:

May be fatal if swallowed or inhaled. Do not breathe dust. Rapidly absorbed through the skin. Do not get on skin, in eyes or on clothing. Wash hands ... etc."

3. Change the Pesticide Disposal statement to "Securely wrap original container in several layers of newspapers and discard in the trash."

4. Delete "Antidote: Atropine sulfate and/or 2-PAM" and replace with the following:

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

5. Update the Environmental Hazards by changing "by cleaning of equipment and disposal of wastes" to "when disposing of equipment wash waters."

Richards

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The Alternate source of the active ingredient and the additional brand name, American Brand Di-Syston Systemic Insecticide Granules are acceptable and have 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,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

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DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. To easily, effectively, and economically kill destructive, chewing and sucking insects on vegetables, trees & shrubs, flowers and houseplants, simply apply this product to the soil around desirable plants. Kills Aphids, Leafhoppers, Spider Mites, Thrips, Colorado Potato Beetles, Flea Beetles, Lace Bugs, Whiteflies, Mexican Bean Beetles, Leaf Miners, Scale, Rootworms, Elm Leaf Beetles, Minnesota Webworms, Pine Tip Moths, Root Maggots and Birch Tree-miners. Hi-Yield Di-System Systemic Insecticide Granules enters the plant through its roots and is translocated through natural growth and flow of the sap to the entire plant. Working from inside the plant, it kills sucking insects that feed on the plant. Apply as below to protect vegetables, trees & shrubs, flowers and houseplants.

VEGETABLES

BEANS: Apply 2-4 lbs. per 50 ft. of row. **SNAP or GREEN Lima BEANS** - Place granules in a band on each side of seed furrow at planting time only. **DRY BEANS** - Apply as above at planting time or as side-dressing on each side of row after plants become established, but not within 60 days of harvest. **DO NOT FERTILIZE**

TOMATOES: Apply 3-5 lbs. per 50 ft. of row. **SEED BEDS** - Apply granules evenly over seed bed. Work into top 2 to 3 inches of soil and seed beds in normal manner. Treatment may also be made by broadcasting the granules evenly over the plants after emergence and watering thoroughly. Do not apply more than one seed bed treatment. Do not apply within 30 days of harvest. Good for early season control of Colorado Potato Beetles only.

CORN: Apply 3 lbs. per 50 ft. of row. Apply granules to the soil as a side-dress treatment or to the foliage by broadcasting into the wharf. Do not apply more than twice per season. Do not apply within 40 days of harvest.

POTATOES: Apply 5 1/2-9 lbs. per 50 ft. of row. **ROW TREATMENTS** - Place granules in the seed furrow or in a band on each side of the seed furrow at planting. Additional application may be made as side dressing after plants become established. Make no more than 2 applications per season, not apply within 75 days of harvest.

SPINACH: Apply 1 1/2 lbs. per 50 ft. of row. Place the granules in a band on each side of the seed furrow at planting time only. Do not apply directly on seeds.

PEAS: Apply 3-7 lbs. per 50 ft. row. Apply by broadcasting at planting time, or as a side-dress on each side of the row after emergence. Do not apply more than once per season nor within 50 days of harvest.

LETTUCE: Apply 1 1/2-7 lbs. per 50 ft. row. **SPRING or SUMMER SEEDED LETTUCE** - Use the higher rate on heavy organic soils. Place granules in a band on each side of row at seeding time only. Do not apply directly on the seeds. Do not apply to transplanted lettuce. **FALL or WINTER SEEDED LETTUCE:** Apply as side-dressing at thinning time. Do not apply within 60 days of harvest.

CABBAGE & BROCCOLI: Apply 2 1/2 lbs. per 50 ft. row. **TRANSPLANT SEED BEDS** - Apply granules evenly over bed area. Work into top 2 to 3 inches of soil and seed beds. Treatment may also be made by broadcasting the granules evenly over the plants after emergence and watering thoroughly. Do not apply more than one seed bed treatment. Do not apply within 30 days of harvest. **FIELD APPLICATIONS:** Place the granules in a band on each side of the seed furrow or transplanted row at planting or as side-dressing after plants become established. Do not apply directly on the seed. Do not apply more than one field application per season. Do not use within 14 days of harvest for broccoli, 42 days of harvest for cabbage. To control Root Aphid on Cabbage use 4 lbs. per 50 ft. row.

BRUSSELS SPROUTS & CAULIFLOWER: Apply 2 1/2 lbs. per 50 ft. row. **TRANSPLANT SEED BEDS:** Apply granules evenly over bed area. Work into the top 2 to 3 inches of soil and seed beds in the normal manner. Treatment may also be made by broadcasting the granules evenly over the plants after emergence and watering thoroughly. Do not apply more than one seed bed treatment. **FIELD APPLICATIONS:** Place the granules in a band on each side of the seed furrow or transplanted row at planting and where necessary as a side-dressing after plants become established. Do not apply directly on the seed. Do not apply more than two field applications per season, not within 30 days of harvest for Brussels Sprouts, or 40 days of harvest for cauliflower. Allow a minimum of 21 days between applications.

TREES & SHRUBS: Apply 1-1 1/2 lbs. per tree or shrub, or 1 lb. per inch of trunk diameter. Spread granules uniformly from trunk to drip line on all sides. Work into soil and water thoroughly. The higher dosage is recommended for heavy organic or much soils. For transplanting, equivalent quantities should be applied into planting hole or by dipping seedling in a puddling clay slurry made up of 7 parts this product in 8 parts by weight clay.

FLOWERS: Use following amounts and work into soil. Water thoroughly after application. Before planting use one cup per 25 sq. ft. (8' x 8') of area, set plant in normal manner and water thoroughly. **GROWING FLOWERS** - Put one level teaspoonful in narrow band around each plant. **FOR FLOWERS IN A ROW** - Use 2 1/2 cups to each 8 ft. of row in narrow band near base of plants.

POTTED PLANTS: Use 1 level teaspoonful for each 8" pot, 2 teaspoons for each 8" pot, and 1 tablespoon for each 10" pot. Mix thoroughly into top soil and drench with water.

IMPORTANT: When used on tomatoes, lettuce or beans at maximum recommended rates under adverse conditions such as extremely cool or wet or extremely dry weather, this product may cause delay in emergence, stunting of seedlings or reduction of stand. Damage may be more pronounced in light, sandy soil. Plant injury may also occur or may be enhanced when certain pre-emergent herbicides are used in conjunction with this product. Do not apply broadcast applications to lawns.

STORAGE & DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **PESTICIDE DISPOSAL:** Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to Federal or approved state procedures under Subtitle C of the Resource Conservation and Recovery Act. **CONTAINER DISPOSAL:** Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residues into application equipment. Then dispose of bag in a sanitary landfill or by incineration if allowed by State and local authorities.

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

WARNING: May be harmful or fatal if swallowed or absorbed through the skin. Do not breathe dust. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling and before eating or smoking. Do not contaminate food or foodstuffs. Feed utensils such as a teaspoon or measuring cup should not be used for feed purposes after use with insecticides. Keep children and pets off treated areas until this product is worked into the soil and treated areas have dried completely. Wear protective clothing and cotton or natural rubber gloves. Cotton gloves should be laundered or discarded and rubber gloves wash with soap and water after each days use.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED - Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

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 for at least 15 minutes. Call a physician.

NOTE TO PHYSICIAN: Administer oxygen suitable for large doses. 2-PAA is also antidotal and may be administered in conjunction with streptococci. Do not give morphine.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Birds and other wildlife in treated areas may be killed. Do not apply directly to water. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label. Buyer assumes all risks of use, storage, or handling of this material in strict accordance with directions given hereon.

DI SYSTEM is a reg. trademark of the parent company of Farberfabrikon Cayer GmH, Leverkusen, Germany. Voluntary Purchasing Group, Inc., Benham, Texas. EPA Reg. No. 7401-323

Net Wt. 3 lbs.

BEST AVAILABLE COPY

ACCEPTED
with COMMENTS
in EPA Letter Dated:

APR 8 1991

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

vines or hay
to livestock

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Hi-Yield Di-Systemic Systemic Insecticide Granules

*insects or hay
to livestock*

DIRECTIONS FOR USE

In a manner inconsistent with its labeling. Use for chewing and sucking insects on vegetables, trees & shrubs. Do not apply to the soil around desirable plants. Kills Aphids, Leafhoppers, Beetles, Lace Bugs, Whiteflies, Mexican Bean Beetles, Leaf Miners, Weevils, Pine Tip Moths, Root Maggots and Birch Treeminers. Works from inside the plant and is translocated through natural sap flow from inside the plant. It kills sucking insects that feed on the leaves, flowers and houseplants.

GREEN Lima BEANS - Place granules in a band on each side of the seed furrow above at planting time or as sidedressing on each side 21 to 30 days of harvest. **Do not feed treated**

SEED BEDS - Apply granules evenly over the seed bed. Work into top 2 to 3 inches. May also be made by broadcasting the granules evenly over the seed bed. Do not apply more than one seed bed treatment. Do not apply to Colorado Potato Beetles only.

TRANSPLANT SEED BEDS - Place granules in a band on each side of the seed furrow as a side-dress treatment or to the foliage by broadcast application. Do not apply within 40 days of harvest.

WINTER LETTUCE - Place granules in the seed furrow or in a band on each side of the seed furrow after plants become established. Do not apply within 75 days of harvest.

SPRING LETTUCE - Place granules in a band on each side of the seed furrow at planting time, or as a side-dress on each side of the seed furrow per season nor within 50 days of harvest.

SUMMER SEEDED LETTUCE - Use the higher rate on heavy soils at seeding time only. Do not apply directly on the seeds. Do not apply to lettuce at thinning time. Do not apply to lettuce.

TRANSPLANT SEED BEDS - Apply granules evenly over the seed bed. Treatment may also be made by broadcasting the granules over the seed bed. Do not apply more than one seed bed treatment. Do not apply to lettuce.

TRANSPLANT SEED BEDS - Place the granules as a band on each side of the seed furrow after plants become established. Do not apply directly on the seed furrow. Do not use within 14 days of harvest for broccoli, 42 days for Cabbage use 4 cups per 50 ft. row.

TRANSPLANT SEED BEDS - Apply granules evenly over the seed bed and seed beds in the normal manner. Treatment may also be made by broadcasting the granules over the seed bed. Do not apply to lettuce.

TRANSPLANT SEED BEDS - Place the granules in a band on each side of the seed furrow after plants become established. Do not apply directly on the seed furrow. Allow a minimum of 21 days between applications.

TRANSPLANT SEED BEDS - Use 1/2 lb. per inch of trunk diameter. Spread granules uniformly over the trunk and water thoroughly. The higher dosage is recommended for heavy soils. Do not apply to lettuce.

TRANSPLANT SEED BEDS - Water thoroughly after application. Before planting use one cup per 50 ft. row and water thoroughly. **GROWING FLOWERS** - Put one level cup to each 6 ft. of row in narrow rows.

TRANSPLANT SEED BEDS - Use 2 1/2 teaspoons for each 6" pot, and 1 tablespoon for each 10" pot. Do not use at maximum recommended rates under adverse conditions. Do not use in light, sandy soil. Plant injury may also occur or may be increased in conjunction with the product. Do not apply broadcast application.

APPLICATION & DISPOSAL

Apply granules to the soil around plants. Do not apply broadcast application. Do not use water that cannot be used according to label instructions. Dispose of granules under Subtitle C of the Resource Conservation and Recovery Act.

Apply granules to the soil around plants. Do not apply broadcast application. Do not use water that cannot be used according to label instructions. Dispose of granules under Subtitle C of the Resource Conservation and Recovery Act.

CAUTIONARY STATEMENTS

CHILDREN AND DOMESTIC ANIMALS - Keep children and domestic animals off treated areas. Do not breathe dust. Avoid contact with treated areas. Do not use for food purposes after use with granules. Do not use for food purposes after use with granules.

FIRST AID - If swallowed, drink water. If on skin, wash with soap and water. If in eyes, flush with water. Call a physician. Do not induce vomiting or give laxatives.

ANTIDOTAL TREATMENT - If swallowed, drink 1 or 2 glasses of water and induce vomiting until vomit fluid is clear. Do not induce vomiting or give laxatives.

ENVIRONMENTAL HAZARDS - Do not apply to areas where birds and other wildlife may be killed. Do not apply to areas where birds and other wildlife may be killed.

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- Works From Inside The Plant to Kill Aphids, Spider Mites, Leaf Hoppers, Rootworms, Miners, Scales, Colorado Potato Beetles, Beetles, Lace Bugs, Mexican Bean Beetles, Leaf Beetles, Mimosa Webworms, Whiteflies, Pine Tip Moths, and Birch Treeminers.
- Protects Vegetables, Trees & Shrubs, Flowers & House Plants.

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United States
Fertilizer
Association
Label No. 7401-323

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