

JUL 30 1990

Southern Mill Creek Products
c/o Mr. H. R. McLane
7210 Red Road, Suite 212A
Miami, FL 33143

Subject: Amendments - Revise per Diazinon Registration Standard
and the Agency's May 1, 1990 Data Call-In letter
to reflect only those uses supported by Ciba-Geigy
Agriset Diazinon 5% Granular
EPA Reg. No. 6720-479
Your submission dated April 19, 1990

Dear Mr. McLane:

The amendments referred to above, submitted in connection with a registration under the Federal Insecticide, Fungicide, and Rodenticide Act, are acceptable provided the following revisions are made prior to release for shipment under the amended labeling:

- 1) At the top of the left panel, revise "AS AN AID IN THE CONTROL OF FIRE ANTS" to "AIDS IN THE CONTROL OF FIRE ANTS". This revision is necessary because it now reads as if only application as an aid in the control of fire ants on golf courses or sod farms is prohibited. As you know, this is not the purpose of the Notice of Intent to Cancel use of diazinon on golf courses and sod farms. While relocating the golf course and sod farm use prohibition directly under the product name would resolve that problem, it would leave you with a product whose purpose is indicated as "Ready to use granules for lawns & gardens and around the outside of homes as an aid in the control of fire ants.", which incompletely describes the potential uses for this product.
- 2) In the second column, under the heading "KILLS GARDEN INSECTS", delete the pests "Armyworms", "Corn borers", and "Rootworms" since these pests are associated with use patterns not being supported by Ciba-Geigy for diazinon reregistration.
- 3) Revise the first sentence of the directions for control of fire ants (also adding a specified radius of treatment) such that it reads:

To aid in the control of fire ants in lawns and other recreational areas, apply 1/2 cup of this product over and 2 ft. around each fire ant mound.

- 4) In the far right column, under the heading "TIMING and SPECIAL DIRECTIONS" relocate numbers appearing at the end of lines such that they are not separated from their associated fractions, i.e., for mole crickets move the "3" down to the next line so that it reads "3 1/2 oz./500 sq. ft.", and for wireworms move the "10" down to the next line so that it reads "10 1/2 to 14 oz./500 sq. ft."
- 5) Delete the directions for control of lesser cornstalk borer on beans. Ciba-Geigy has elected not to support reregistration of post-emergence application of granular diazinon to beans. Since the remaining uses on beans are covered by the general directions for specific pests, you may wish to delete "See Special Instructions below" after the crop name "BEANS". The type of beans and the associated dried varieties prohibition would then be moved up to appear after "BEANS", together with the names of the remaining pest claims (similar to the entry for the crop "PEAS"). Specifically, the entry will appear as follows:

BEANS (Pole, Snap, or Limas, succulent only): Do not use on dried bean varieties, such as pintos, dried limas, navy beans, etc. (Cutworms, Wireworms)

- 6) Delete all the special directions for the crop "SWEET CORN", including control of European Corn Borer, Fall Armyworm, and Southwestern Corn Borers. Based on the results of avian field studies, Ciba-Geigy has elected not to support reregistration of post-emergence application of granular diazinon to corn. Also, in the general crop listing, delete "See Special Instructions below." after "(Cutworms, Seed Corn Maggots, Wireworms)" for the crop "SWEET CORN".

A stamped copy of the label is enclosed for your records. Please submit five (5) copies of the revised amended label prior to release for shipment under the amended label.

Please refer to the Diazinon Registration Standard, as amended, for release for shipment and channels of trade dates for diazinon products bearing appropriately amended labels.

Sincerely yours,

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

Agrisect BRAND

DIAZINON

ACCEPTED with COMMENTS in EPA Label for **5% GRANULAR LAWN INSECT CONTROL**

JUL 30 1990

Under the Ready to Use Granules for Lawn Insect Control, amended, for use on lawns registered under EPA Reg. No. 6720-479

THIS PRODUCT MUST NOT BE USED ON GOLF COURSES AND SOD FARMS

AS AN AID IN THE CONTROL OF FIRE ANTS

1 Pounds Treats From 500 to 2285 Sq.Ft.

ACTIVE INGREDIENT:

DIAZINON: [O,O-Dimethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate] 5.0%

INERT INGREDIENTS: 95.0%
Total 100.0%

KEEP OUT OF REACH OF CHILDREN CAUTION

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

STATEMENT OF PRACTICAL TREATMENT
IF SWALLOWED: Call a physician 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 if person is unconscious or convulsing. IF INHALED: Remove victim to fresh air and apply artificial respiration if needed. IF ON SKIN: Remove contaminated clothing and wash affected area with soap and water. IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists. NOTE TO PHYSICIAN - This product 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. SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. No. 6720-479 EPA Est No. 6720-FL-1

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION: Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing dust and contact with eyes, skin or clothing. Wash thoroughly after handling and before eating or smoking. May cause skin sensitization following repeated contact with skin of susceptible individuals. Avoid repeated contact with skin. If sensitization reactions result, consult a physician. Do not store near food or feed products. Food utensils such as spoons or measuring cups must not be used for food purposes after use in measuring pesticides. Do not contaminate ornamental fish ponds. Where "watering in" is required, do not allow children or pets on those treated areas until granules are watered into the soil and grass or soil is dry. Do not use on pets, animals or livestock.

ENVIRONMENTAL HAZARDS

This product is highly toxic to birds and fish, and other wildlife. Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Apply this product only as specified on this label. Because of the migratory habits of certain waterfowl, do not apply in Nassau County, NY between Nov. 1 and May 20. Do not exceed maximum permitted label rates, since rates above these recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping granules. Where irrigation (watering) is recommended in the directions or if waterfowl, i.e. ducks or geese, can be expected in the treated area after treatment (except spot treatments), apply a minimum of 1/4 inch of water immediately after applying this product. Stop watering before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). Ponds may be hazardous to aquatic organisms in neighboring areas. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab and other aquatic life are important resources. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters.

NET WEIGHT 1 POUND
SOUTHERN MILL CREEK PRODUCTS CO., INC.
TAMPA, FLORIDA 33610

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 product in its original labeled container in a cool, dry, locked place out of reach of children. **PESTICIDE DISPOSAL:** Securely wrap container in several layers of newspaper and discard in trash. **CONTAINER DISPOSAL:** Do not reuse empty bag. Discard bag in trash. For minor spills, leaks, etc. follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup and disposal of wastes. In the event of a major spill, fire or other emergency, call 1-800-888-6372 day or night.

KILLS LAWN INSECTS

ANTS, ARMYWORMS, BERMAUDAGRASS MITES, BILLBUGS, BROWN DOG TICKS, CHIGGERS, CHINCH BUGS, CLOVER MITER, CRICKETS, CUTWORMS, DIGGER WASPS, EARWIGS, FIRE ANTS*, FLEAS, ONION MAGGOTS, ROOT MAGGOTS, SOO WEBWORMS(LAWN MOTHS), LEAFHOPPERS, MILLPEDES, SOWBUGS, SPRINGTAILS, WHITE GRUBS OF EUROPEAN CHAFER, JAPANESE BEETLE, SOUTHERN CHAFER *AIDS IN THE CONTROL OF FIRE ANTS.

KILLS GARDEN INSECTS

ARMYWORMS, CORN BORERS, CUTWORMS, MOLE CRICKETS, ONION MAGGOTS, ROOT MAGGOTS, ROOTWORMS, WIREWORMS.

OVERALL LAWN APPLICATION

FOR SURFACE FEEDING INSECTS

Use 2 lbs. granules per 1,000 sq.ft. for control of the following insects on both grass and dicotyledonous lawns: ANTS, ARMYWORMS, BERMAUDAGRASS MITES, BROWN DOG TICKS, CHIGGERS; CHINCH BUGS, CLOVER MITES, CRICKETS, CUTWORMS, EARWIGS, FLEAS(in the Lawn, do not use on pets), LAWN MOTHS (Sod Webworms), LEAFHOPPERS, MILLPEDES, SOWBUGS, SPRINGTAILS (COLLEMBOLA).

IMPORTANT - APPLICATION PRECAUTIONS:

Refer to Environmental Hazards paragraph on this label for information concerning the protection of waterfowl that might enter and feed on diazinon treated turf areas. Apply with a Lawn Spreader when grass is dry. See spreader settings chart below. Repeat as directed. For application with other types of equipment, apply at the same rate of 2 lbs. per 1,000 sq.ft. or 3.2 oz. per 100 sq.ft. = (an area 10 R. x 10 R.)

FOR SOIL FEEDING INSECTS

BILLBUGS, WHITE GRUBS OF JAPANESE BEETLES, EUROPEAN CHAFER, SOUTHERN CHAFER, ATANENUS SPRETULLUS (Dung Beetle). Apply 2 lbs. per 1,000 sq.ft. of lawn. Water grass thoroughly after application. For Billbug control, apply in spring or early summer when activity is first observed or when chewed or brown grass indicates damage from these insects. Repeat as necessary. For grub control, except Dung Beetle, treat any time between late July and early October. For Dung Beetle grub control, apply in spring or early summer when damage is first noticed. Water grass thoroughly with 1/4 to 1/2 inch of water after application. Treat again in late summer or early fall if a second-generation occurs. **HYPERODES WEEVILS:** Apply 2 lbs. per 1,000 sq.ft. of grass. Water grass thoroughly after application. Treat problem areas in mid-April and again in Mid-May.

LAWN SPREADER SETTINGS

Spreader Make/Model	Setting to apply 2 lbs /1,000 sq. ft.
Central Imperial #1882-G	8 1/2
Central Suburbia #1822-O	8 1/1
Cyclone #81	4 1/2
Greenfield #105	8 1/2
Orion #3000	4 1/2
Orion #4000	4 1/2
J. C. Panney #8005	7 1/4
J. C. Panney #Rotary	5
Scott #PF-4	4
Beers Craftsman #671.19188	8

NOTE: Broadcast spreaders such as the Cyclone are dependent on rate of walking and turning speed of the broadcast unit. Carefully calculate the area to be treated and make certain the proper number of pounds is applied to the area. *Settings are calculated for spreaders in new condition. Spreaders will vary and must be checked for accuracy.

SPOT TREATMENTS FOR FIRE ANTS & WASPS

ANTS: Apply 1 1/2 tsp. of granules over and around each ant hill. **FIRE ANTS:** To aid in the control of the fire ants in lawns and other recreational areas apply 1/2 cup of this product over, and around each fire ant mound. Immediately after application, water in thoroughly. A minimum of 1 gallon of water should be applied to each mound area. Repeat as necessary. Apply gently to avoid disturbing ants. Use of high pressure watering equipment may disturb the ants and cause migration thus reducing product effectiveness.

NOTE: For best results apply in cool weather, 65 to 90° F, or in early morning or late evening hours. Treat new mounds as they appear. Kills Fire Ants within 24 hours; no waiting for days or weeks to get results.

DIGGER WASPS: Apply 1 1/2 teaspoons in and around each nest opening. Apply at dusk when wasps are not active.

BAND & PERIMETER TREATMENTS AROUND HOUSE FOUNDATIONS

The following insects are commonly found around or near the foundation of houses as well as in the lawns. Certain of these may enter the houses. ANTS, BROWN DOG TICKS, CLOVER MITER, CRICKETS, EARWIGS, FLEAS, MILLPEDES, SOWBUGS (Billbugs), SPRINGTAILS(COLLEMBOLA): For control of these insects apply a five foot wide band of this product next to the house foundation. -- Continued at top of next column --

For BAND & PERIMETER TREATMENT distribute granules uniformly using a rate of 3.2 ounces for each 100 sq. ft. of area (5 R. x 20 R.) treated; i.e. one pound treats 800 Sq.Ft. Repeat as necessary.

VEGETABLES - INSECT CONTROL

This product controls certain garden insects on crops listed in the following tables. Apply uniformly as directed for each crop. When a range of rates is given, use the higher rate only for heavier infestations. Unless directions under "Timing and Special Directions" state otherwise for insect control, the granules should be thoroughly mixed into the soil during or immediately after application.

INSECT	DEPTH TO MIX GRANULES INTO SOIL
Surface Cutworms	2-3 inches
Subterranean Cutworms	3-6 "
Cutworms (Unidentified)	4-8 "
Mole Crickets	1-2 "
Root Maggots	3-4 "
Wireworms	4-8 "

TIMING and SPECIAL DIRECTIONS

HOW MUCH TO USE - WHEN & HOW TO APPLY

For **ROOT MAGGOTS** on crops as listed below, broadcast and mix 7 to 10 1/2 oz./500 sq. ft. into soil just before planting or transplanting. For **CUTWORMS and SEED CORN MAGGOTS** on crops listed below, broadcast and mix 7 to 14 oz./500 sq. ft. into soil just before planting.

For **MOLE CRICKETS** on crops as listed below broadcast and mix 3 1/2 oz./500 sq. ft. into soil 1-2 days before planting.

For **WIREWORMS** on crops as listed below, broadcast and mix 10 1/2 to 14 oz./500 sq. ft. into soil just before planting.

FOLLOW THESE DIRECTIONS FOR CONTROL OF LISTED INSECTS AS THEY MAY ATTACK THE FOLLOWING PLANTS

PLANT	INSECT
BEANS	See Special Instructions below.
BEETS Red/Table	(Cutworms, Mole Crickets, Wireworms)
BROCCOLI	(Root Maggots, Cutworms, Mole Crickets, Wireworms)
BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER	(Root Maggots, Cutworms, Mole Crickets, Wireworms)
CARROTS	(Cutworms, Mole Crickets, Wireworms)
CELERY	(Cutworms, Wireworms)
COLLARDS	(Cutworms, Mole Crickets, Wireworms)
CUCUMBER	(Cutworms, Wireworms)
ENDIVE Escarole	(Cutworms, Mole Crickets, Wireworms)
KALE	(Cutworms, Mole Crickets, Wireworms)
LETTUCE	(Cutworms, Mole Crickets, Wireworms)
MELONS including Cantaloupes, Casabas, Crenshaws, Honeydew, Muskmelons, Persans, & Hybrids of these and Watermelons	(Cutworms, Wireworms)
MUSTARD	(Mole Crickets)
ONIONS	Green & Bulb; See Special Instructions below.
PARSLEY	(Cutworms, Wireworms)
PEAS	succulent only; do not use on dried pea varieties such as dried black-eyed peas (Cutworms, Wireworms)
PEPPERS	(Cutworms, Mole Crickets, Wireworms)
POTATOES	(Cutworms; surface & subterranean, Wireworms) Do not use on "Hand Harvested" commercially grown potatoes.
RADISHES	(Mole Crickets)
SPINACH	(Cutworms, Wireworms)
SQUASH including Summer and Winter	(Cutworms, Wireworms)
SWEET CORN	(Cutworms, Seed Corn Maggot, Wireworms) See Special Instructions below.
SWEET POTATOES	(Wireworms, Flea Beetles) See Special Instructions below.
SWISS CHARD	(Cutworms, Wireworms)
TOMATOES	(Cutworms, Mole Crickets, Wireworms)
TURNIPS	(Mole Crickets, Wireworms)

Special Instructions

Beans; Onions; Sweet Corn; Sweet Potatoes
BEANS (Pole, Snap, or Lima, succulent only): Do not use on dried bean varieties, such as pintos, dried lima, navy beans, etc.: For Cutworms broadcast and mix 7 to 14 oz. /500 sq. ft. into soil just before planting. For Lesser Cornstalk Borer apply 3 1/2 to 7 oz./500 sq. ft. in a 6 inch band centered over the row when plants are 1/2 to 1 inch high. For Wireworms broadcast and mix 10 1/2 to 14 oz./500 sq. ft. into soil just before planting.
ONIONS green and bulb (Onion Maggots): Appl. / 7 to 14 oz. / 500 sq. ft. broadcast just before planting and mix into top 3 to 4 inches of soil by disking, harrowing or other suitable means. Diazinon may not control organophosphate resistant onion maggots.
SWEET CORN: For European Corn Borer: Apply 3 1/2 to 7 oz./500 sq. ft. over the corn so granules fall into whorls, when 75% of the plants show first-generation larvae feeding. Make a second application 7 days later if needed but not more than 3 applications per season. For second-generation borers apply as above when there is an average of 1 egg mass per plant. *Note: Corn may be picked immediately following last application. Do not feed fodder to livestock for 10 days following the last application. Do not make more than 3 applications per season.
For Fall Armyworm apply 3 1/2 to 7 oz./500 sq. ft. over the corn so granules fall into whorls when larvae first appear. If necessary, application may be repeated twice at 7 day intervals. Do not make more than 3 applications per season.
For Southwestern Corn Borers use at the same rate and method as for European Corn Borer but apply only when granules fall into whorls when "second-generation" larvae appear.
SWEET POTATOES: For Wireworms and Flea Beetles use 10 1/2 oz./500 sq. ft. broadcast and mix into soil just before planting. For Southeastern U.S. Leafcutting worm amount over tops of vines when roots begin to enlarge. DO NOT mix into soil.
NOTICE: Buyer and user assume all risk & liability of use, storage and/or handling of this product not in accordance with the terms of this label.

BEST AVAILABLE COPY

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