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32802-12

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Mr. H.R. McLane
H.R. McLane, Inc.
7210 SW. 57th Avenue, Suite 212A
Miami, FL 33143

Dear Mr. McLane:

Subject: Amendment - Label Revision - Application Rate
and Additional Treatment Sites
Diazinon 14G
EPA Registration No. 32802-12
Your Application Dated November 16, 1988

The labeling 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 listed below before you release the product for shipment bearing the amended labeling.

1. After the Statement of Practical Treatment, add a Note to Physician as follows:

Note to Physician: Diazinon 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.

2. Delete the paragraph concerning overall treatments for control of imported fire ants ("Overall treatments that are . . .").
3. Add the following Reentry Section immediately following the Directions for Use heading and misuse statement:

Reentry Statement for Agricultural Uses

No user shall permit the application of this product in such a manner as to directly or indirectly expose workers or other persons

50720:1;LeMaster:LLR-16;KENCO:2/7/89;3/23/89:rv

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

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except those knowingly involved in the application. The area being treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until dusts have settled. Protective clothing includes at least a hat or other suitable head covering, a long-sleeved shirt and long-legged trousers or a coverall type garment (all of a closely woven fabric) covering the body including arms and legs, socks and shoes.

Because certain States may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must be given which inform workers of areas or fields that may not be entered without specific protective clothing until dusts have settled and appropriate actions to take as described under Caution statements at the end of this label. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: "CAUTION. Area treated with Diazinon 14G on (date of application). Do not enter without appropriate protective clothing until dusts have settled. In case of accidental exposure, flush eyes or skin with plenty of water. Call a physician if irritation persists. Remove and wash contaminated clothing before reuse."

Applications to the soil should be worked into the top few inches immediately after application with a rotary hoe, cultivator, disk, harrow, or other suitable means for greatest effectiveness.

FAILURE TO FOLLOW ALL DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR INSECT CONTROL, AND/OR ILLEGAL RESIDUES.

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4. Change the following application rates:

- a. Mound Treatment - Imported Fire Ant: "Apply 1/4 cup (1 1/4 oz). . . ."
- b. Spot Treatment.
 - o Ants "For ANTS use 1/2 teaspoonful"
 - o Digger Wasps ". . . for DIGGER WASP use 1/2 teaspoonful"

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. La Rocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

Enclosure

40000000
with COMMENTS
to EPA Label Commercial/Agricultural Use Only - See Additional Labeling for Other Product Uses

DIAZINON 14G

Label Page 1 of 3

11-88

This Product Must not be used on Golf Courses and Sod Farms

**FOR LAWN INSECTS, SPOT TREATMENTS - BAND TREATMENT
FOR HOUSE FOUNDATION - IMPORTED FIRE ANT MOUND
TREATMENT - VEGETABLE GARDEN INSECT CONTROL
AS WELL AS FORAGE CROPS, VEGETABLES AND FRUIT**
EPA Reg. No. 32802-12
KILLS ANTS, BILLBUGS, CUTWORMS, DIGGER WASPS, EARWIGS, FIRE
ANTS, FLEAS, JAPANESE BEETLE LARVAE, MILLIPEDES, MOLE CRICK-
ETS, ONION MIDGE, ROOT MAGGOTS, SOD WEBWORMS,
SOWBUGS, WHITE GRUBS, WIREWORMS & OTHER INSECTS AS LISTED

ACTIVE INGREDIENT:
DIAZINON: [O,O-Diethyl O-(2 isopropyl-6-methyl
4 pyrimidinyl)-phosphorothioate] 14.0%
INERT INGREDIENTS 86.0%
TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Cent. 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 or convulsing person.
IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated.
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.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS
EPA REG NO 32802-12 EPA EST NO. 32802-WI-1 (A) 32802-MO-1 (B)
The first letter of the code indicates the Establishment number.

NET WEIGHT 50 POUNDS

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. May be absorbed through the skin. Avoid breathing dust. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling and before eating or smoking. Avoid contamination of food and feed products. Keep children and pets off treated areas until this material is washed into the soil and the area is dry.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Birds and other wildlife feeding on treated areas may be killed. Keep out of any body of water. Do not contaminate water by cleaning of equipment or when disposing of equipment washwaters. Apply this product only as specified on this label.

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 container in a cool, dry, locked place out of reach of children.
PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

LAWN INSECT CONTROL

SURFACE FEEDING INSECTS

This product controls the following insects on Grass & Dichondra Lawns: ANTS, ARMYWORMS, BERMUDA MITES, BROWN DOG TICKS, CHIGGERS, CHINCH BUGS, CLOVER MITES, CRICKETS, CUTWORMS, EARWIGS, FLEAS, IMPORTED FIRE ANTS (See FIRE ANT Section for control methods), LAWN MOTHS (SOD WEBWORMS), LEAF HOPPERS, MILLIPEDES, SOWBUGS, and SPRINGTAILS (Collembola).

For control of insects as listed above apply to the entire lawn at a rate of 2/3 lb./1,000 Sq.Ft. (an area 20 ft. x 50 ft.). Apply when grass is dry. Water lawn lightly after application. Repeat as needed for seasonal control.

ROOT FEEDING INSECTS

For control of BILLBUGS and WHITE GRUBS of JAPANESE BEETLE, EUROPEAN CHAFER, SOUTHERN CHAFER AND ATAEINIUS apretulus (DUNG BEETLE) apply at the rate of 2/3 lb./1,000 Sq.Ft. For BILLBUGS, Apply when activity is first observed, or when chewed or brown grass indicates damage.

For GRUB control, excluding Dung Beetle, treat any time between late July and early October. For DUNG BEETLES grubs Apply in spring or early summer when damage is first noticed. Thoroughly water grass with 1/4 to 1/2 inch of water after application. Treat again in late summer or early fall if a second generation occurs.

Overall treatments that are made for any of the above mentioned insects will also aid in the reduction of the Imported Fire Ant population that may be present at the time of the application. See Imported Fire Ant Section.
HYPERODES WEEVIL (New York only) Apply 2/3 lb./1,000 Sq.Ft. in mid-April and again in mid-May, watering thoroughly after each application. See below for recommended spreader settings.

IMPORTED FIRE ANT

MOUND TREATMENT IN LAWNS & RECREATIONAL AREAS

As an aid in the control of the IMPORTED FIRE ANT Apply 1/2 cup (2 1/2 oz.) of this product to the center of the mound and out 2 feet surrounding it. Water the granules into the soil gently with a light sprinkling so as not to disturb the colony. Use a minimum of 1 gallon of water per mound area. Do not use more than 2 gallons of water. Apply water gently. Use of high pressure watering may disturb the ants and cause migration thus reducing the effectiveness of treatment. Apply when the temperatures are between 60 to 80 degrees. Treat new mounds as they appear.

BAND INSECT TREATMENT AROUND HOME FOUNDATIONS

To protect dwellings from possible insect infestations a band of granules may be placed around the building to control ANTS, BROWN DOG TICKS, CLOVER MITES, CRICKETS, EARWIGS, FLEAS, MILLIPEDES, SOWBUGS, AND SPRINGTAILS. 1/3 lb. of this product will treat a 5 foot wide band 100 feet long, around the home. Acts as a barrier against insects invading the home. Apply when the insects have become troublesome or before they cause problems in the spring or early fall. Repeat as needed for control.

SPOT TREATMENT

For ANTS use 1 1/2 teaspoonfuls over and around each ANT hill; for DIGGER WASPS use 1 1/2 tsp. in and around each nest opening. Apply at dusk when wasps are not active.

SPREADER SETTING FOR LAWNS

4.0 lbs. A.I. /Acre = 2/3 lbs./1,000 Sq.Ft.	
Spreader Model	Setting No.
SPYKER PRO	3.2-3.3
SCOTTS R7X	E-F
SCOTTS MODEL 35	3.2-3.3
LESCO BROADCAST	E-F
CYCLONE B1	3.6

NOTE: Many spreaders are dependent on the rate of walking and turning speed of the unit. Apply at a consistent rate. For best insect control measure the area to be treated & then apply the proper amount.

VEGETABLE GARDEN INSECT CONTROL

This product controls certain garden insects on crops listed below. Apply just prior to planting and immediately mix thoroughly into soil to the specified depth, except where applied in seed furrow.

CUTWORMS

(Surface and Subterranean Cutworms) Broccoli, Cabbage, Cantaloupe, Cauliflower, Celery, Collards, Cucumber, Endive (Escarole), Kale, Lettuce, Lima Beans (succulent only), Muskmelons, Parsley, Peas (succulent only), Peppers, Potatoes, Snap Beans (succulent only), Spinach, Summer Squash, Swiss Chard, Tomatoes, Watermelons, Winter Squash. Apply 14 to 28 lbs./acre and mix into soil to depth of 2 to 3 inches for surface cutworms & 3 to 6 inches for subterranean cutworms. For Potatoes mix into soil 4 to 6 inches deep.

MOLE CRICKETS

On Broccoli, Cabbage, Cauliflower, Collards, Endive (Escarole), Kale, Lettuce, Mustard, Peppers, Raspberries, Strawberries, Tomatoes, and Turnips apply 7 lbs./acre and mix into soil to depth of 1 to 2 inches

WIREWORMS

On Broccoli, Cabbage, Cantaloupe, Carrots, Cauliflower, Celery, Collards, Cucumber, Endive (Escarole), Kale Lettuce, Lima Beans (succulent only), Muskmelons, Onions, Parsley, Peas (succulent only), Peppers, Snap Beans (succulent only), Spinach, Summer Squash, Sweet Potatoes, Swiss Chard, Tomatoes, Watermelons, Winter Squash. Apply 14 to 28 lbs./acre and mix into soil to depth of 4 to 8 inches.

Additional Directions For Use continued on Additional labeling.

HOWARD JOHNSON'S ENTERPRISES, INC.

MILWAUKEE, WI 53201

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OTHER VEGETABLE INSECTS

(Also See Section for ADDITIONAL GARDEN INSECTS)

BROCCOLI, CABBAGE, CAULIFLOWER: For Root Maggots apply 7 to 11 Oz./500 Sq.Ft. over entire seedbed before planting or transplanting and mix into soil to a depth of 3 to 4 inches.**CARROTS:** For Carrot Rust Flies apply 7 Oz./500 Sq.Ft. in seed furrow at planting time.**ONIONS:** For Onion Maggots apply 4 Oz./500 SQ. FT. in seed furrow at planting time.**RADISHES:** For Root Maggots sprinkle lightly at the rate of 3 to 4 Oz./500 linear feet of row in seed furrow at planting time.**SWEET CORN**

For Corn Rootworm apply 7-14 lbs./acre in a band over the row at planting time.

For Cutworms apply 14-28 lbs./acre. Mix into soil to a depth of 1 to 2 inches for surface cutworms and 3 to 6 inches for subterranean cutworms.

For European Corn Borer apply 7-14 lbs./acre over corn so granules fall into whorls when 75% of the plants show first generation larvae feeding and again 7 days later if needed. Treat for second generation when there is an average of 1 egg mass per plant.

For Fall Armyworm apply 7-14 lbs./acre over corn so granules fall into whorls when larvae first appear, and again for control of second generation armyworms, if necessary.

For Southwestern Corn Borers apply 7-14 lbs./acre over corn so granules fall into whorls when second generation larvae appears. Repeat application one week later.

NOTE Corn may be picked immediately following last application. Do not feed fodder to livestock for ten days following last application.

For Wireworms apply 21-28 lbs./acre in a broadcast application. Mix into soil to depth of 4 to 8 inches.

SWEET POTATOES (North Carolina only)

For Wireworm apply 11 Oz./500 Sq.Ft. over the top of plant foliage when roots begin to enlarge.

TOMATOESFor Vinegar Flies (*Drosophila* spp.) Apply 7 lbs./acre over top of plants when flies first appear. Repeat at 7 to 10 day intervals, or as required. Tomatoes may be picked the same day.**TURNIPS**

For Root Maggots: Apply 7 lbs./acre in seed furrow at planting time.

FIELD AND FORAGE INSECTS**BEANS (Pinto)****LESSER CORNSTALK BORER:** Apply 7-14 lbs./acre in a 6 inch band centered over the row when beans are 1/2 to 1 inch high.**CORN****CORN ROOTWORM LARVAE - Postemergence Basal Treatment:** Apply 4 1/2-8 1/2 oz./1,000 linear feet of row in a band over the row at first sign of rootworms, but not later than June 24 in the middle corn belt or July 1st in the northern corn belt. Cover treated band with 2-3 inches of soil. Apply amount per acre recommended according to row spacing chart for basal treatment.

ROW SPACING	FEET OF CORN ROW/ACRE	LBS. OF 14G/ACRE
48 inches	10,890 Linear Feet	3-6 lbs.
42 "	12,455 "	3 1/4-6 1/2 lbs.
40 "	13,068 "	3 1/2-7 lbs.
38 "	13,939 "	3 3/4-7 1/2 lbs.
36 "	14,520 "	4-8 lbs.
30 "	17,424 "	4 3/4-9 1/2 lbs.
24 "	21,780 "	4 3/4-11 1/2 lbs.
20 "	26,136 "	7-14 lbs.
15 "	24,848 "	9 1/4-18 1/2 lbs.

FIELD AND FORAGE INSECTS (Cont.)**EUROPEAN CORN BORER:** Apply 7-14 lbs./acre over the corn so granules fall into whorls, when 75% of plants show first-generation borers feeding. Make a second application 7 days later if needed. To control 2nd generation corn borers, apply 7-14 lbs./acre, as above, when field count shows 100 eggs masses per 100 plants. Diazinon 14G may be applied by aircraft for the above use. This material should be uniformly applied to the area to be treated at the recommended rates give above.**COMBINING POST-EMERGENCE TREATMENT FOR CONTROL OF CORN ROOTWORM LARVAE AND EUROPEAN CORN BORER- NORTH CENTRAL STATES ONLY.**

When infestations of these insects coincide, a single application may be made to replace the above basal post-emergence treatment for corn rootworm larvae and one of the above applications for the control of first-generation European corn borer. Use the combination treatment where European Corn Borer egg masses or larvae are present at the same time corn rootworm larvae should be controlled. Treatment should be made at the peak of first generation corn borer egg laying, but not later than June 24th in the middle corn belt or July 1 in the northern corn belt for adequate rootworm control.

Apply 7-14 lbs./acre over the corn plants. Cover granules falling to the ground by throwing 2 to 3 inches of soil into the corn row with a disk hiller or cultivator.

Repeat application to corn whorls 7 days later if needed, for control of European Corn Borer. To control 2nd generation corn borer apply 7-14 lbs./acre as above, when field count shows 100 egg masses /100 plants.**FALL ARMYWORM:** Apply 7-14 lbs./acre over the corn so granules fall into whorls when armyworms first appear. Repeat application if necessary.**SOUTHERN CORN BORER:** Apply 7-14 lbs./acre over the corn so granules fall into whorls when 2nd generation borers first appear. Repeat application one week later.

NOTE: Do not feed treated fodder to dairy or beef cattle or sheep for 10 days following application. Corn may be picked immediately. Temporary spotting of foliage sometimes occurs following application.

CUTWORMS: Broadcast 14-28 lbs./acre. For surface cutworms apply just prior to planting or when larvae first appear and work into soil 1 to 2 inches. Do not apply after layby. For subterranean cutworms apply just prior to planting and work into soil 3 to 6 inches.**LESSER CORNSTALK BORER:** Apply 8 1/2 - 17 oz. per linear ft. of row in a 10 inch band centered over the row. Make application at planting time or when crop begins to emerge. Cover the treated band with 1 -2 inches of soil. Apply amount per acre recommended according to row spacing chart for basal treatment.**SEED CORN MAGGOTS:** Broadcast 14 to 28 lbs./acre just prior to planting and work into soil 4 to 8 inches.**GARDEN SYMPHYLANS (CENTIPEDES):** Broadcast 70 lbs./acre just prior to planting and work into soil 4-8 inches. This pre-plant treatment will also control other soil insects, cutworms (surface and subterranean), and wireworms.**WIREWORMS:** Broadcast 21-28 lbs/acre before planting. Work into soil 4 to 6 inches.

Additional Directions For Use of this product on PEANUTS, SORGHUM, SOYBEANS, SUGARCANE, TOBACCO, FORAGE CROPS, SMALL FRUIT AND GARDEN INSECTS are Continued on Additional Labeling.

HOWARD JOHNSON'S ENTERPRISES, INC.
MILWAUKEE, WI 53201

DIAZINON 14G

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PEANUTS

SOUTHERN CORN ROOTWORM: Broadcast 28 lbs./acre or the equivalent in a band over the fruiting zone, just prior to pegging. Work into top few inches of soil.

CUTWORMS: Apply 14 lbs./acre in a 12 inch band over the row when cutworms first appear. Up to 3 additional applications at three week intervals may be necessary. Do not apply within 21 days of peanut harvest.

LESSER CORNSTALK BORER: Apply 14-21 lbs./acre in a band over the fruiting zone just prior to pegging. Cover the band with 1 to 2 inches of soil.

NOTE: LIVESTOCK: (1) may be fed peanut hulls (2) may be fed peanut forage 7 days following treatment and (3) may be fed peanut hay 21 days following treatment.

SORGHUM

CUTWORMS: Broadcast 14 to 28 lbs./acre just prior to planting. Work into soil 2 to 3 inches to control surface cutworms; 3 to 6 inches to control subterranean cutworms.

LESSER CORNSTALK BORER: Apply 7 to 14 lbs./acre in a 10 inch band over the row at planting time or as crop emerges. Cover the band with 1-2 inches of soil.

NOTE: Do not apply directly to the seed furrow as reduction of sorghum seed germination may occur.

SOYBEANS

CUTWORMS: Broadcast 14-28 lbs./acre just prior to planting time. Work into soil 2-3 inches to control surface cutworms, 3-6 inches to control subterranean cutworms.

LESSER CORNSTALK BORER: Apply 7-14 lbs./acre in a 6 inch band over the row just prior to planting or when soybean are 1 to 2 inches high. Cover the band with 1-2 inches of soil.

SUGAR BEETS

SUGAR BEET ROOT MAGGOT: Apply 7-14 lbs./acre in a 5 to 7 inch band (based on row width of 22 inches) or 4.7 to 9.4 oz./1,000 linear feet of row in a 5 to 7 inch band either incorporating 2-3 inches at planting time or applying above the seed after the seed is covered. Apply ahead of the press wheel. If a heavy maggot infestation is anticipated or a wet spring occurs, a second application may be made, early post emergence, when the adult maggots (flies) first start to appear. If a 2nd application is necessary, apply 7-10 1/2 lbs./acre in a 5-7 inch band (based on row width of 22 inches) or 4.7-7.1 oz./1,000 linear feet of row in a 5-7 inch band directly over the row.

NOTE: Diazinon should not come in direct contact with the seed or injury will occur.

WIREWORMS: Broadcast 21-28 lbs./acre just prior to planting. Work into soil 4-8 inches.

SUGARCANE

SUGARCANE BORER: Broadcast 10 1/2-17 1/2 lbs./acre after joints have begun to form and when at least 5% of plants show borers feeding in or under the leaf sheath but which have not bored into the stalks. Additional applications may be necessary to assure continued control.

NOTE: Do not make more than 4 application per growing season. Allow 28 days between last application and harvest. At that time bagasse and forage may be fed to livestock.

TOBACCO

CUTWORMS: Broadcast 14-21 lbs./acre before transplanting. Work into soil 2-4 inches.

MOLE CRICKETS: Apply 7 lbs./acre when insects are present. Make application to plant beds or fields 1-2 days prior to sowing seed or transplanting and work into soil 1-2 inches.

SEED CORN MAGGOT: Broadcast 10 1/2 lbs./acre 3-4 weeks before transplanting. Work into soil 2 inches.

WIREWORMS: Broadcast 14-21 lbs./acre 3-4 weeks before transplanting. Work into soil 6-9 inches.

FORAGE CROPS

ALFALFA, CLOVER, COWPEAS, LESPEDEZA

CUTWORMS: Broadcast 14-28 lbs./acre just prior to planting. Work into soil 2-3 inches to control surface cutworms; 3-6 inches to control subterranean cutworms.

SMALL FRUIT

STRAWBERRIES: MOLE CRICKETS: Apply 7 lbs./acre when insects are present. Make application to plant beds or field 1-2 days prior to transplanting and work into soil 1-2 inches.

ADDITIONAL GARDEN INSECTS

(Also See Sections Under VEGETABLE GARDEN INSECT CONTROL and OTHER VEGETABLE INSECTS)

GARDEN SYMPHYLANS (CENTIPEDES)
On CABBAGE, CARROTS, LETTUCE, PEAS, POLE BEANS, RADISHES, RED BEETS, SNAP BEANS TOMATOES AND TURNIPS broadcast 70 lbs./acre just prior to planting. Work into soil 4-8 inches. This pre-plant treatment will also control other soil insects, cutworms (surface and subterranean), mole crickets, root maggots, and wireworms.

LESSER CORNSTALK BORER ON BEANS (LIMA, POLE, SNAP): Apply 7-14 lbs./acre in a 6 inch band centered over the row. Apply when plants are 1/2 to 1 inch tall.

NOTE: Seller makes no warranty, expressed or implied concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

FEB 19 1972

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

32602-12

