

This product must not be used on golf courses and sod farms.

SUPER K-GRO<sup>R</sup>  
DIAZINON<sup>R</sup>  
SOIL & TURF  
INSECT CONTROL

**ACCEPTED**  
**MAR 21 1990**  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 49585-5

For Control of White Grubs and Fire Ants\*

KILLS: Ants, Billbugs, Brown dog ticks, Chinch bugs, Clover Mites, Crickets, Cutworms, Fire Ants\*, Fleas, Root Maggots, Sod webworms, White grubs, Wireworms and other pests listed on this label.

\*Aids in control.

FOR USE ON: Lawns, Vegetables, and Outdoor Pests.

**ACTIVE INGREDIENT:**

Diazinon (0,0-Diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate)..... 5.00%

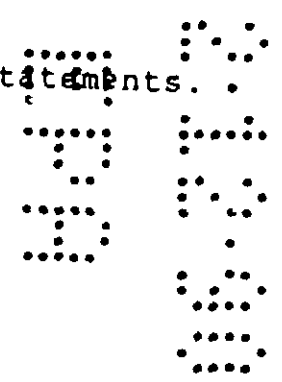
**INERT INGREDIENTS:** ..... 95.00%  
**TOTAL:** ..... 100.00%

Keep Out of Reach of Children

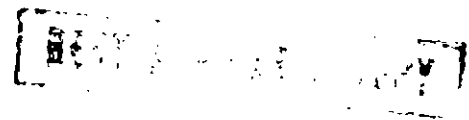
**CAUTION**

See back panel for additional precautionary statements.  
Read entire label.

NET WT. 10 LBS.



2-6-90



**IMPORTANT: TO AVOID DAMAGE OR POOR RESULTS, CAREFULLY READ ALL DIRECTIONS AND PRECAUTIONARY STATEMENTS.**

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

Harmful if swallowed, inhaled, or absorbed through skin. Avoid breathing dust and contact with eyes, skin or clothing. Wash thoroughly after handling and before eating or smoking. May cause contact 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. Do not allow children or pets on treated areas until granules have been watered into the soil and the grass or soil is dry.

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Call physician or Poison Control Center immediately. Drink 1 to 2 glasses of water and induce vomiting by touching the back of the 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 indicated.

**IF ON SKIN:** Wash promptly with soap and water. Rinse thoroughly.

**IF IN EYES:** Rinse eyes with plenty of water and call physician immediately.

**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. Emergency information - Call 1-800/858-7378.

**ENVIRONMENTAL HAZARDS**

This product is highly toxic to birds, fish, and other wildlife. Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Because of the migratory habits of certain Atlantic Coast waterfowl, do not apply this product to lawns in Nassau County, New York, between November 1 and May 30. Do not exceed maximum permitted label rates. Application rates above those 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 treatment), apply a minimum of

0.25 inches of water immediately after applying this product. Stop irrigation 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). Runoff 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 washwaters.

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**LAWN PROTECTION:**

Super K-Gro Diazinon Soil & Turf controls the following lawn insects on both grass and dichondra lawns:

Ants	Cutworms	Millipedes
Armyworms	Digger wasps	Sowbugs
Bermudagrass mites	Earwigs	Springtails
Billbugs	Fire ants*	(Collembola)
Brown dog ticks	Fleas	White Grubs of
Chiggers	Lawn moths	Japanese beetle
Chinch bugs	(sod webworms)	European chafer
Clover mites	Leafhoppers	Southern chafer
Crickets		

\*Spot Treatment aids in control

**Precautions:** 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, New York between November 1 and May 20. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds. Avoid overlapping treated areas. If waterfowl, i.e., ducks, geese, can be expected to enter the treated area after treatment (except spot treatments), water lawn with at least 0.25 inch water immediately after application; however, stop watering before puddling occurs.

Apply with a fertilizer spreader. See spreader setting chart. Apply when grass is dry. Repeat as necessary.

For application with other types of equipment, apply at the rate of 2 lbs. per 1000 sq. ft. (an area 20' by 50') or 3.2 ozs. per 100 sq. ft. (an area 10' by 10').

**BILLBUGS; WHITE GRUBS OF JAPANESE BEETLE, EUROPEAN CHAFER, SOUTHERN CHAFER, ATAENIUS SPRETULUS (DUNG BEETLE):**

Apply 2 lbs. per 1000 sq. ft. of lawn. Water grass thoroughly after application. For billbug control, apply 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 in. of water after application. Treat again in late Summer or early Fall if a second generation occurs.

**HYPERODES WEEVIL:**

Apply 2 lbs. per 1000 sq. ft. of grass. Water grass thoroughly after application. Treat problem areas in mid-April and again in mid-May.

**SPOT TREATMENT**

**ANTS:** Apply 1 1/2 teaspoons over and around each ant hill.

**FIRE ANTS:** To aid in the control of fire ants in lawns and other recreational areas, apply 1/2 cup over, and 2 ft. 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. Reapply as necessary. Apply gently to avoid disturbing ants. Use of high pressure watering equipment may disturb the ants and cause migration reducing product effectiveness.

Note: For best results, apply in cool weather, 65°-80°F, or in early morning or late evening hours. Treat new mounds as they appear.

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

**BAND TREATMENT AROUND HOUSE FOUNDATION:**

The following pests are commonly found around or near foundations of houses as well as in lawns. Certain of these pests may enter houses.

Ants	Crickets	Millipedes
Brown Dog Ticks	Earwigs	Sowbugs
Clover Mites	Fleas	(Pillbugs)
		Springtails
		(Collembola)

Apply a 5-foot band of Super K-Gro Diazinon Soil & Turf next to the house foundation. Distribute granules uniformly, using a rate of 3.2 oz. for each 100 sq. ft. of area (5' x 20') treated. Repeat as necessary.

**GARDEN INSECT CONTROL:**

Super K-Gro Diazinon Soil & Turf controls certain insects on crops listed below. Apply uniformly as directed for each crop. When a range of rates is given, use the higher rate only for heavier infestations.

Unless directions state otherwise, applications for control of pests listed below should be thoroughly mixed into the soil during or immediately after application.

<u>Insect</u>	<u>Depth of Mixing or Incorporation into Soil</u>
Surface cutworms*	2-3 inches
Subterranean cutworms*	3-6 inches
Mole crickets	1-2 inches
Root maggots	3-4 inches
Wireworms	4-8 inches

\*If type of cutworm cannot be identified, mix into soil 4-6 inches deep.

**CUTWORMS**

Beets (Red Table)	Cucumbers	*Pole Beans
Broccoli	Endive (Escarole)	***Potatoes
Brussels Sprouts	Honeydew Melons	*Snap Beans
Cabbage	Kale	Spinach
Cantaloupes	Lettuce	Summer Squash
Carrots	*Lima Beans	Sweet Corn
Casaba Melons	Muskmelons	Swiss Chard
Cauliflower	Parsley	Tomatoes
Celery	**Peas	Watermelons
Collards	Peppers	Winter Squash
Crenshaw Melons	Persian Melons	

\*NOTE: Do not use on dried bean varieties, such as pintos, dried limas, navy beans, etc..

\*\*NOTE: Do not use on dried pea varieties such as dried blackeyed peas.

\*\*\*NOTE: Do not use on commercially-grown potatoes which will be hand-harvested.

Apply 7 to 14 ozs. per 500 sq. ft. and mix into soil to a depth of 2 to 3 inches for surface cutworms and 3 to 6 inches for subterranean cutworms. For potatoes, mix into soil 4 to 6 inches deep.

**MOLE CRICKETS**

Beets, Red (Table)	Cauliflower	Mustard
Broccoli	Collards	Peppers
Brussels Sprouts	Endive (Escarole)	Radishes
Cabbage	Kale	Tomatoes
Carrots	Lettuce	Turpins

Apply 3 1/2 ozs. per 500 sq. ft. and mix into soil to a depth of 1 to 2 inches, one to two days before planting.

**WIREWORMS**

Beets, Red (Table)  
Broccoli  
Brussels Sprouts  
Cabbage  
Cantaloupes  
Carrots  
Casaba Melons  
Cauliflower  
Celery  
Collards  
Crenshaw Melons  
Cucumbers

Endive (Escarole)  
Kale  
Honeydew Melons  
Lettuce  
\*Lima Beans  
Muskmelons  
Onions (green, bulb)  
Parsley  
\*\*Peas  
Peppers  
Persian Melons  
\*Pole Beans

\*\*\*Potatoes  
\*Snap Beans  
Spinach  
Summer Squash  
Sweet Corn  
Sweet Potatoes  
Swiss Chard  
Tomatoes  
Turnips  
Watermelons  
Winter Squash

\*NOTE: Do not use on dried bean varieties, such as pintos, dried limas, navy beans, etc..

\*\*NOTE: Do not use on dried pea varieties such as dried blackeyed peas.

\*\*\*NOTE: Do not use on commercially-grown potatoes which will be hand-harvested.

Apply 10 1/2 to 14 ozs. per 500 sq. ft. and mix into soil to a depth of 4 to 8 inches.

**BEANS (Pole, Snap or Lima) (Succulent only)**

Lesser Cornstalk Borers: Apply 3 1/2 to 7 ozs. per 500 sq. ft. Apply in a 6-inch band centered over the row when plants are 1/2 to 1 inch tall.

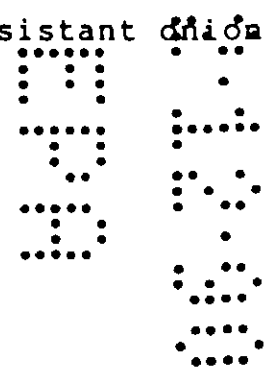
**BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER**

Root Maggots: Apply 7 to 10 1/2 ozs. per 500 sq. ft. over the entire area just before planting or transplanting and mix into soil to a depth of 3 to 4 inches.

**ONIONS**

Onion Maggots: Apply 7 to 14 ozs. per 500 sq. ft. Broadcast just before planting and mix into the top 3 to 4 inches of soil by disking, harrowing, or other suitable means.

NOTE: Diazinon may not control organophosphate-resistant onion maggots.



**SWEET CORN**

**Seed Corn Maggots:**

Apply 7 to 14 ozs. per 500 sq. ft. Broadcast just before planting. Mix into soil 2 inches.

**European Corn Borers:** Apply 3 1/2 to 7 ozs. per 500 sq. ft. over corn so granules fall into whorls when 75% of the plants show first-generation borers feeding, and again 7 days later, if needed. Treat for second-generation when there is an average of 1 egg mass per plant. Do not make more than 3 applications per season.\*

**Fall Armyworms:** Apply 3 1/2 to 7 ozs. per 500 sq. ft. over corn so granules fall into whorls when larvae first appear, and again 7 days later, if needed. Do not make more than 3 applications per season.\*

**Southwestern Corn Borers:** Apply 3 1/2 to 7 ozs. per 500 sq. ft. over corn so granules fall into whorls when second-generation larvae first appear. If necessary, application may be repeated at 7-day intervals. Do not make more than 3 applications per season.\*

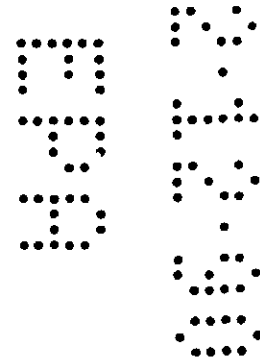
\*Note: Corn may be picked immediately following last application. Do not feed fodde. to livestock for ten days following last application.

**SWEET POTATOES**

**Wireworms, Flea Beetles:** Apply 10 1/2 ozs. per 500 sq. ft. Broadcast and mix into soil to a depth of 4 to 8 inches just before planting.

Southeastern U.S. - Broadcast 10 1/2 ozs. per 500 sq. ft. over the tops of vines when roots begin to enlarge and do not mix into soil.

Note: The spreader settings listed below are approximate. Accurately weigh a few pounds into your spreader and apply to a measured area. Then adjust spreader setting if necessary, in order to assure correct rate of application.



**SPREADER SETTING NO.**  
(per 1000 sq. ft.)

Spreader Make and Model	Insects listed below*
	Grass or Dichondra Lawn 2 lbs.
Central Drop Spreader (Plastic)	5
Central Broadcast	3 1/2
Cyclone	4 1/2
Greenview Jet-spread <sup>R</sup>	4 1/2
Greenview Show 'N' Tell	7
Greenview Drop-spread <sup>TM</sup>	4 1/2
Ortho Drop Spreader	4 1/2
Ortho Broadcast Spreader	4 1/2
Precision Drop Spreader	4
Precision Broadcast Spreader	5
Prize Lawn Drop Spreader	4
Prize Lawn Broadcast Spreader	8
Scotts Drop Spreader	5 3/4
Scotts Broadcast Spreader	27
Sears Drop Spreader (Plastic)	5
Sears Broadcast Spreader	3 1/2

\*Ants  
Armyworms  
Bermudagrass Mites  
Billbugs  
Brown Dog Ticks  
Chiggers  
Chinch Bugs  
Clover Mites  
Crickets

Cutworms  
Earwigs  
Fleas  
Hyperodes Weevil  
Lawn Moths  
(Sod Webworms)  
Leafhoppers  
Millipedes

Sowbugs  
(Pillbugs)  
Springtails  
(Collembola)  
White Grubs  
Japanese beetle  
European chafer  
Southern chafer

**BEST AVAILABLE COPY**



**STORAGE AND DISPOSAL**

**STORAGE:** Store in original container, in a cool, dry, well-ventilated area. Store product in an area inaccessible to children and domestic animals. Do not store near fertilizers, herbicides, other insecticides, seeds, food, or feed.

**PESTICIDE DISPOSAL:** Securely wrap original container in several layers of newspaper and discard in trash.

**CONTAINER DISPOSAL:** Do not reuse empty container. Wrap in several layers of newspaper and discard container in trash.

For spills, leaks, etc. follow all precautions indicated on this label. Clean up immediately and dispose of in accordance with PESTICIDE DISPOSAL DIRECTIONS.

**NOTE:** Buyer assumes all responsibility for safety and use not in accordance with directions.

MADE IN THE U.S.A. FOR KMART CORPORATION,  
TROY, MI 48084

REGISTERED AND MANUFACTURED BY ALLJACK & COMPANY,  
PLYMOUTH, MI 48170

EPA Reg. No. 49585-5

(A)	(E)	(I)
EPA Est. 49585-MI-1	6720-FL-01	769-GA-1
(B)	(F)	(J)
2393-IL-3	8378-IN-1	34704-NB-01
(C)	(G)	(K)
10404-OH-03	42056-IL-1	44616-MO-1
(D)	(H)	(L)
10370-TX-1	9591-OH-1	51036-GA-1

Superscript used is first letter of lot number.

