

OCT - 1 1989

Ms. Becky Horton
Dragon Chemical Corp.
P.O. Box 7311
Roanoke VA 24019

Subject: Amendment Revise per Diazinon Registration Standard &
to reflect only those uses/rates supported by Ciba-Geigy
Dragon 5% Diazinon Granules
EPA Reg. No. 16-119
Your submission received December 26 1989

Dear Ms. Horton

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) In the claims section at the beginning of the Directions for Use after the heading "IN GARDENS DRAGON 5% DIAZINON GRANULES KILLS", delete the pests "Armyworms", "Carrot Rust Flies", "Corn borers", and "Rootworms" since these pests are associated with use patterns not being supported by Ciba-Geigy for diazinon reregistration.
- 2) In the "Precautions" under the heading "Overall Lawn Application", revise the end of the fourth sentence to read: "... increase potential hazards to birds and waterfowl."
- 3) Also in this same "Precautions" section revise the sixth sentence to read as follows:

Where watering is recommended in the directions, or if waterfowl, i.e., ducks or geese, can be expected to enter the treated area after treatment (except spot treatment), water lawn with at least 1/4 inch of water immediately after applying this product, however stop watering before puddling occurs.
- 4) Revise the heading of the lawn spreader setting table to read "SPREADER SETTING NO. (To deliver 2 lbs. per 1000 sq. ft.)".

- 5) Delete the directions for control of lesser cornstalk borers on beans. Ciba-Geigy has recently notified the Agency that it will not support reregistration of post-emergence application of granular diazinon to beans.
- 6) In the heading for the directions for use on melons, correct the spelling of "Melons" and relocate the closing parenthesis mark to appear after "... and hybrids of these" rather than after "... and hybrids of these and watermelons".
- 7) Delete the directions for control of root maggots on radishes. Ciba-Geigy is not supporting reregistration of in-furrow application of granular diazinon for any crops.
- 8) For the crop "Sweet Corn", delete the claims and associated "Timing/Special Directions" for European Corn Borers, Fall Armyworms, and Southwestern Corn [Borers], as well as the "Notes" for this crop. Based on results of avian field studies, Ciba-Geigy has elected not to support reregistration of post-emergence application of granular diazinon to sweet corn. The "Notes" (which deal with picking corn immediately after last application and prohibiting feeding fodder to livestock for 10 days following the last application) are not appropriate to the remaining at-plant soil application use on sweet corn.
- 9) For the crop 'Sweet Potatoes' delete the "Timing/Special Directions" for post-emergence use in the Southeastern U.S. Based on results of avian field studies, Ciba-Geigy has elected not to support reregistration of post-emergence application of granular diazinon to sweet potatoes.

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. NOTE: When preparing your label, do not print the quotation marks that appear around revised text items specified in this letter. 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)

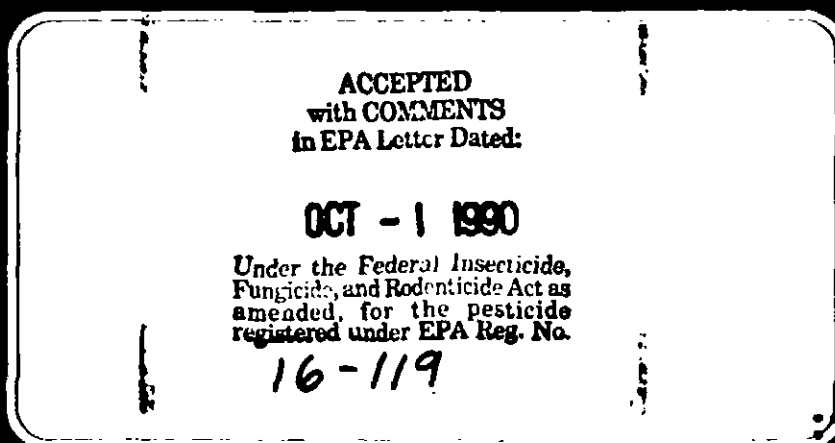
DRAGON

5% DIAZINON GRANULES

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

Controls: Ants, Armyworms, Bermudagrass Mites, Billbugs, Brown Dog Ticks, Chiggers, Chinch bugs, Crickets, Cutworms, Earwigs, Fire Ants*, Fleas, Onion Maggots, Root Maggots, Sod Webworms, Wireworms, and white grubs of Japanese beetle, European chafer and Southern chafer, and many others.

*Aids in control. (See complete list on back panel.)



Ready to Use
Treats Up to 5,000 Square Feet.

ACTIVE INGREDIENT:	By Wt.
Diazinon [0,0-Diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate].....	5%
INERT INGREDIENTS:.....	95%
TOTAL	100%

Keep Out of Reach of Children
CAUTION

See additional precautionary statements on back panel.

NET WEIGHT 10 LBS.

BEST AVAILABLE COPY

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IMPORTANT: Read the entire Directions for Use before using this product.

NOTICE: The use of this material being beyond our control and involving elements of risk to human beings, animals and vegetation, we do not make any warranty, expressed or implied, as to the effects of such use when this product is not used in accordance with the directions as stated on this label.

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 a physician immediately. Drink one or two 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 a 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.

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 20. 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 inch 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 wash waters.

DIRECTIONS FOR USE

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

This product is intended for homeowner, and not commercial use.

STORAGE: Store in original container in a cool, dry, well-ventilated 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 bag. Discard bag in trash.

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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.

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IN LAWNS, DRAGON 5% DIAZINON GRANULES KILLS: Ants, Armyworms, Bermudagrass mites, Billbugs, Brown dog ticks, Chiggers, Cifach bugs, Clover mites, Crickets, Cutworms, Digger wasps, Earwigs, Fire Ants*, Fleas, Lawn moths, Leafhoppers, Millipedes, Springtails, Sod webworms, Sowbugs, and White grubs of: Japanese beetle, European chafer, Southern chafer.

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*(Aids in control.)

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IN GARDENS, DRAGON 5% DIAZINON GRANULES KILLS: Armyworms, Carrot rust flies, Corn borers, Cutworms, Mole crickets, Onion maggots, Root maggots, Rootworms and Wireworms.

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OVERALL LAWN APPLICATION: DRAGON 5% DIAZINON GRANULES controls the following lawn insects on both grass and dichondra lawns -- Ants, Armyworms, Bermudagrass mites, Brown dog ticks, Chiggers, Chinch bugs, Clover mites, Crickets, Cutworms, Earwigs, Fleas, Lawn moths (sod webworms), Leafhoppers, Millipedes, Sowbugs, Springtails (Collembola). **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 in the treated area after treatment (except spot treatment), water the lawn with at least 0.25 inch water immediately after application, however, stop watering before puddling occurs.

Apply **DRAGON 5% DIAZINON GRANULES** with a fertilizer spreader. See spreader setting chart below. 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 oz. per 100 sq. ft. (an area 10' by 10').

Spreader Make & Model	Spreader Setting No. (per 1000 sq. ft.)									
	Central Imperial Mark #1662-G	Central Suburbia Lawn Spreader #1622-D	Cyclone Model B1 Rotary	Greenfield Model 105	ORTHO Drop Spreader #3000	ORTHO Broadcast Spreader #4000	J C Penney Model 6005	J C Penney Rotary Spreader	Scott's Precision Flow Spreader Pf 4	Sears Craftsman #671 19198
Spreader Setting No.	6 1/2	6 1/2	4 1/2	6 1/2	4 1/2	4 1/2	7 1/4	5	4	6
[For the following insects: Ants, Armyworms, Bermudagrass mites, Brown Dog Ticks, Chiggers, Chinch bugs, Clover mites, Crickets, Cutworms, Earwigs, Fleas, Hyperodes Weevil, Lawn moths (Sod webworms), Leafhoppers, Millipedes, Sowbugs (Pill bugs), Springtails (Collembola) Grass and Dichondra lawns, 2 lbs. per 1000 sq. ft. of lawn]										

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 - 1/2 in. of water after application. Treat again in late Summer or early Fall if a second generation occurs.

Hyperodes weevils: 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 of **DRAGON 5% DIAZINON GRANULES** 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 of **DRAGON 5% DIAZINON GRANULES** in and around each 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, Brown dog ticks, Clover mites, Crickets, Earwigs, Fleas, Millipedes, Sowbugs (Pillbugs), Springtails (Collembola). Apply a 5 foot band of **DRAGON 5% DIAZINON GRANULES** next to the house foundation. Distribute granules uniformly, using a rate of 3.2 oz. for each 100 sq. ft. of area (5' by 20') treated. Repeat as necessary.

VEGETABLES - INSECT CONTROL: **DRAGON 5% DIAZINON GRANULES** 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/Special Directions" state otherwise, applications for control of pests listed below should be thoroughly mixed into the soil during or immediately after application.

Insect	Depth of Mixing or Incorporation into Soil	Application Diagram
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

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Beans (Pole, Snap or Lima) (succulent only)	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Lesser Cornstalk Borers	3 1/2 - 7 oz. per 500 sq. ft.	Apply in a 6-inch band centered over the row when plants are 1/2 - 1 inch tall.
	Wireworms	10 1/2 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Note: Do not use on dried bean varieties such as pintos, dried limas, navy beans, etc.		
Beets, Red (table)	Cutworms	7 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
	Wireworms	10 1/2 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Broccoli	Root Maggots	7 - 10 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	7 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
	Wireworms	10 1/2 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Brussels Sprouts	Root Maggots	7 - 10 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
	Wireworms	10 1/2 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Cabbage	Root Maggots	7 - 10 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
	Wireworms	10 1/2 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Carrots	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Carrot Rust Flies	7 oz. per 500 sq. ft.	Apply in the seed furrow at planting time.
	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
	Wireworms	10 1/2 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Cauliflower	Root Maggots	7 - 10 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
	Wireworms	10 1/2 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Celery	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Collards	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
	Wireworms	10 1/2 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Cucumber	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Endive (Escarole)	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
	Wireworms	10 1/2 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Kale	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
	Wireworms	10 1/2 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Lettuce	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
	Wireworms	10 1/2 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Melons (Cantaloupes, Casabas, Crenshaws, Honeydew, Muskmelons, Persians & Hybrids of these and watermelons)	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Mustard	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
Onions (green & bulb)	Onion Maggots	7-14 oz. per 500 sq. ft.	Broadcast just before planting and mix into the top 3-4 inches of soil by disking, harrowing or other suitable means. Note: Diazinon may not control organophosphate-resistant onion maggots.
	Wireworms	10 1/2 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Parsley	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Peas (succulent only)	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Note: Do not use on dried pea varieties such as dried blackeyed peas.			
Peppers	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
	Wireworms	10 1/2 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Potatoes	Cutworms (surface & subterranean)	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Note: Do not use on commercially-grown potatoes which will be hand-harvested.			
Radishes	Root Maggots	5 1/2 - 7 oz. per 500 sq. ft.	Apply in the seed furrow at planting (2 1/2 - 2 4/5 oz. per 1000 linear feet of row).
	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Spinach	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Squash, Summer & Winter	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2 - 14. oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Sweet Corn	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Seed Corn Maggots	7-14 oz. per 500 sq. ft.	Broadcast just before planting. Mix into soil 2 inches.
	Wireworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	European Corn Borers	3 1/2 - 7 oz. per 500 sq. ft.	When 75% of the plants show first-generation borers feeding, apply over the corn so granules fall into whorls. Make a second application 7 days later, if needed.* For second-generation borers, apply as above when there is an average of 1 egg mass per plant. Do not make more than 3 applications per season.*
	Fall Armyworms	3 1/2 - 7 oz. per 500 sq. ft.	Apply over 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.*
	Southwestern Corn	3 1/2 - 7 oz. per 500 sq. ft.	Apply 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 after last application. Do not feed fodder to livestock for 10 days following last application.			
Sweet Potatoes	Wireworms, Flea Beetles	10 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting. Southeastern U.S. - Broadcast 10 1/2 oz. per 500 sq. ft. over the tops of vines when roots begin to enlarge and do not mix into soil.
Swiss Chard	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Tomatoes	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
	Wireworms	10 1/2 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Turnips	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
	Wireworms	10 1/2 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.

Distributed by
DRAGON CORPORATION
 Roanoke, Virginia 24019