

Security Products Company, Inc.
210 East Main Street
Fort Valley, GA 31030

Dear Mr. Ligon:

**Subject: Amendment - Reregistration of End-Use Products Containing
Disulfoton, Product Identity and Disclosure of Ingredients,
and Storage Stability Study
SECURITY BRAND SYSTEMIC SYSTEMIC INSECTICIDE GRANULES
EPA Registration No. 56444-53
Your Applications Dated April 12, June 25, and November 20,
1985, and January 1 and 10, 1986**

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. Add the common name "Disulfoton" before the chemical name on the ingredients statement.
2. Change "O-O Diethyl" to "O,O-Diethyl" in the ingredients statement.
3. Change the Note to Physician to:

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.

4. This is labeled as a homeowner use product. Therefore, delete all dosages giving rates for pounds per acre. Neither the labeling nor the container size supports commercial application.

53156:I:Richards:LLR-8:KE (0.9/19/89:11/1/88:AW:VO:EK:aw

REFERENCES							
SYMBOL							
SURNAME							
DATE							

- b. Change "wildlife" to "wildlife."
6. In the Remarks to Remarks paragraph, change "wh" to "such."
7. In the directions for Use paragraph, make the following changes. The words in [] are the ones undergoing change.
- a. . . . placed near the roots [is] translocated"
- b. "It [may] be drilled, [broadcast], mixed"
- c. "As a [pre-plant] treatment"
- d. "Mixing the [granules] into"

The following information pertains to chemistry.

1. Provide a new Confidential Statement of Formula (CSF) being sure to include the following.
- a. Provide pH at a specified water dilution.
- b. Density of product.
- c. Provide the upper and lower certified limits based on the pure active ingredients rather than the technical or concentrates. Note that the lower limit of the active, including any solvent declared as active, must not fall below the label claim.
- d. Provide the upper and lower certified limits of the individually added inert.
- e. Please indicate the amount of the diisyon concentrate as added to the batch in column 13.a. of the CSF. Also, column 13.b. should be percent by weight of concentrate not pure active ingredient.
2. We note your accelerated storage stability study at high temperature. A storage stability study must be supplied based on analysis at room temperature for 1 year. These data need to be submitted within 15 months from the date of this letter.

release the product for shipment.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

Enclosure

ACCEPTED
with COMMENTS
in EPA Letter Dated:

SEP 21 1988

Security
STEMIC SYSTEMIC INSECTICIDE GRANULES
For Home Garden Use

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

56644-53

Contains Di-Syston*

Active Ingredients:

O-O Diethyl S-(2-(ethylthio)ethyl)phosphorodithioate 2.0%

Inert Ingredients: 98.0%

EPA Reg. No. 769-515 EPA Est. 769-GA-1 TOTAL 100.0%

*Di-Syston is Reg. TM of the parent company of Farbenfabriken

Bayer Gmbh, Leverkusen.

U.S. Pat. 2,759,010

KEEP OUT OF REACH OF CHILDREN
WARNING

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. Induce vomiting by giving victim one or two glasses of water and inserting finger in back of throat. 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 respiration if indicated. IF ON SKIN: Wash immediately with soap and water. IF IN EYES: Flush eyes with water. Call a physician. NOTE TO PHYSICIAN: Antidote is Atropine Sulfate. 2-PAM is also antidotal and may be administered in conjunction with atropine.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

WARNING

Poisoning may occur as a result of exposure. May be fatal if swallowed. May be absorbed through skin. Do not breath dust. Do not get in eyes, on skin or on clothing. Apply this product only as specified on this label. Do not contaminate feed or food. Keep out of reach of children. Wash thoroughly after handling. Food utensils such as a teaspoon or measuring cup should not be used for food purposes after use with insecticides. Keep children and pets off treated areas until product is worked into the soil and watered treated areas have dried completely. Do not plant any food or feed crop in rotation after a field treatment with STEMIC unless it is a registered use with STEMIC.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, and wildlife. Do not apply directly to water or wetlands. Drift and runoff from treated areas may be hazardous to fish in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of waster. Cover or incorporate spills. This pesticide is toxic to bees exposed to direct application. Applications should be timed to coincide with periods of minimum bee activity, usually between late evening and early morning.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. SECURITY STEMIC is a systemic insecticide entering the plant by absorption through the roots. The insecticide placed near the roots is translocated to all parts of the plant and kills sucking insects feeding on the plant. SECURITY STEMIC is highly versatile and offers many forms of application. It may be drilled, banded, mixed with soil and banded in the furrow with seeds, bulbs or transplants. Side dressing can be applied after plant emergence. Time and methods of application and limits for use are discussed in detail for each specific crop under "Remarks" below. As a pro-plant treatment for ornamental flowers and shrubs, apply granules evenly to seed bed and mix into soil; seeds or transplants are then placed in the normal manner. Established plants may be side-dressed by applying granules uniformly under foliage canopy. Mixing the granules into top soil and watering will assist entry into the plant, as the chemical will leach into the root zone for absorption.

CROP	INSECT	OUNCES STEMIC	REMARKS
ORNAMENTALS			
Flowers	Aphids, Lace Bugs, Leafhoppers, Meas., Thrips, Whiteflies	6 to 16 oz per 30 feet of row (for any row spacing)	Apply specified dosage in the furrow or as a band over the row. Water well and water thoroughly. The higher dosages are recommended for heavy organic or muck soils. For bedding plants apply 16 oz STEMIC per 200 square feet worked into soil before planting or as broadcast treatment after plants are established. Repeat applications at 4-6 week intervals if necessary. For application to potted plants, use 1 rounded teaspoon STEMIC PER 4 inch pot. Mix thoroughly with soil and drench with water.
Shrubs	Aphids, Birch Leaf Miner, Camellia Scale, Holly Leaf Miner, Lace Bug, Leafhoppers, Meas., Webworm, Moth, Pine Tip Moth, Saw Scale, Curculio, Magnolia Sawfly, Tea Scale, Thrips, Whiteflies	(See Remarks)	Apply 2-4 rounded tablespoons per foot of shrub height. For shrubs 1-3 feet tall, apply the lower rate and on plants 3-6 feet or higher apply the higher rate. Distribute granules uniformly under the shrub canopy, work into the soil and water thoroughly. Repeat applications at 4-6 week intervals if necessary.
VEGETABLES			
Beans	Aphids, Leafhoppers, Mexican Bean Beetle (Harvar), Meas., Thrips	2.5 oz. to 4.5 oz. per 50 feet of row (for any row spacing) or 55 to 100 lbs. per acre (30 inch row spacing)	For snap or green Lima beans, place granules in a band on each side of the seed furrow at planting time only. For dry beans, apply at sowing time or as a side dressing on each side of row after plants have become established, but not within 60 days of harvest. Do not apply directly on the seed. Do not apply more than once per season.
Brussels Sprouts	Aphids, Leafhoppers, Meas., Thrips	2.5 oz. per 50 feet of row (for any row spacing) or 45 lbs. per acre (36 inch row spacing)	Place granules in a band on each side of the seed furrow at planting time or as a side dress after emergence. Do not apply directly on the seed. When it is desirable to treat individual plants, apply 1 level teaspoon STEMIC per plant in the transplant hole. Mix granules with soil in the hole prior to setting plants. Do not apply more than twice per season nor within 30 days of harvest for Brussels Sprouts or 40 days of harvest for Cauliflower. Allow a minimum of 21 days between applications.
Cauliflower	Aphids, Flea Beetles, Leafhoppers		
Broccoli	Aphids, Leafhoppers	2.5 oz. per 50 feet of row (for any row spacing) or 45 lbs. per acre (36 inch row spacing)	Place granules in a band on each side of the seed furrow at planting or as a side dressing after plants become established. Do not apply directly on the seed. When it is desirable to treat individual plants, apply 1 level teaspoon STEMIC per plant in the transplant hole. Mix granules with soil in hole prior to setting plant. Make only 1 application per season. Do not use within 42 days of harvest for Cabbage or 14 days of harvest for Broccoli. Allow a minimum of 21 days between applications on cabbage.
Cabbage	Aphids		
Lettuce	Aphids, Leafhoppers, Meas., Thrips	2 to 3 oz. per 50 feet of row (for any row spacing) or 85 to 100 lbs. per acre (20 inch row spacing)	Place granules in a band on each side of the seed furrow at planting time only. Do not apply directly on the seed.
Pars	Aphids, Leafhoppers	2.5 oz. per 50 feet of row (for any row spacing) or 90 lbs. per acre (18 inch row spacing)	Place granules in a band on each side of the seed furrow at planting time only. Do not apply directly on the seed.
Potatoes	Aphids, Flea Beetles, Leafhoppers, Potato Psyllid	6 to 9 oz. per 50 feet of row (for any row spacing) or 100 to 150 lbs. per acre (36 inch row spacing)	Place granules in the seed furrow at planting or by side dress, either alone or with fertilizer. Do not apply within 75 days of harvest. Do not make more than 2 applications per season.
Spinach	Aphids, Leafhoppers, Leaf Miners, Meas., Thrips	1.5 oz. per 50 feet of row (for any row spacing) or 50 lbs. per acre (20 inch row spacing)	Place granules in a band on each side of the seed furrow at planting time only. Do not apply directly on the seed.
Tomatoes	Aphids, Flea Beetles, Leaf Miners, Meas.	6 to 9 oz. per 50 feet of row (for any row spacing) or 100 to 150 lbs. per acre (36 inch row spacing)	Apply in a band on each side of the seed furrow at planting time only. Do not apply directly on the seed. When it is desirable to treat individual plants, apply 2 level teaspoons STEMIC per plant in the transplant hole. Mix granules with soil in hole prior to setting plant. If 2 applications are needed, use only 6 ounces per 50 feet of row per treatment applied in a band on each side of the seed furrow at planting time and as a side dress after emergence. Do not apply within 30 days of harvest. Allow a minimum of 21 days between applications.

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Treated crops other than those for which STEMIC is labeled, should not be used for human or animal food. Application at higher than the recommended rates may cause phytotoxicity. Do not apply broadcast applications to lawns.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal of this product. Keep in locked storage area. Do not reuse container. Dispose by rinsing thoroughly and securely wrap original container in several layers of newspaper and discard in trash.

NOTICE: The seller makes no implied warranty of merchantability for any other warranties which extend beyond the description on this label.

NET CONTENTS: ONE POUND

Manufactured by
SECURITY CHEMICAL COMPANY
SECURITY LAWN AND GARDEN PRODUCTS DIV.
ATLANTA, GEORGIA