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AUG - 7 1990

Calex Corporation
c/o Ms. Joyce Pazianos
Pazianos Associates
1338 G Street, S.E.
Washington, DC 20003

Subject: Amendment - 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
Super K-Gro Fruit & Vegetable Insect Control
EPA Reg. No. 46515-17
Your submission dated June 4, 1990

Dear Ms. Pazianos.

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

- 1) In the "Environmental Hazards" text, add a comma in the second sentence, so that it reads: "Birds, especially waterfowl, feeding or drinking on treated areas may be killed." Also, add a comma after "ducks and geese" in the seventh sentence.
- 2) Revise the "Special Directions" for the crop "Apricots" to read:

Minimum of 14 days between applications.
- 3) For the crop "Caneberries", revise the first lines of the crop listing to read:

Caneberries
(CA, OR, WA only):
- 4) Also for the crop "Caneberries", in the pest listing revise "Twospotted Mites" to "Twospotted Spider Mites".
- 5) For the crop "Strawberries", revise "Twospotted Mites" to "Twospotted Spider Mites".

19) In the first "Note" under the heading "Vegetable Crops", revise the second sentence to read as follows:

Do not use on dried pea or bean varieties such as split peas, pinto beans, dried limas, or dried black-eyed peas.

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 or headings 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)

SUPER F.-GRO^R
FRUIT & VEGETABLE INSECT CONTROL

ACCEPTED
with COMMENTS
to EPA Letter Dated:

AUG - 7 1990

**Controls Many Insects on Fruit Trees
and Vegetables as listed on this label**

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

46515-17

ACTIVE INGREDIENT:

Diazinon [0,0 Diethyl 0-(2-isopropyl-6-methyl
-4-pyrimidinyl) phosphorothioate]..... 25%

INERT INGREDIENTS*:..... 75%

TOTAL: 100%

*Contains xylene range aromatic solvent.

Spray concentrate.

KEEP OUT OF REACH OF CHILDREN

WARNING

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

NET CONTENTS 1 PT. (16 OZ.)

5-30-90

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

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

May be fatal if swallowed or absorbed through skin. Avoid breathing spray mist. Causes substantial but temporary eye damage. Do not get into eyes, on skin or clothing. Wear goggles or safety glasses. May cause contact sensitization following repeated contact with skin of susceptible individuals. Avoid repeated contact with skin. If sensitization reactions result, consult a physician. Wash thoroughly if on skin and after handling. When spraying wear a long-sleeved shirt and long-legged pants and spray with the wind to your back. Do not spray on windy days. If clothing becomes wet from spray during use, remove clothing after spraying, wash affected body areas thoroughly with soap and water, and launder clothing before wearing again. Do not use in the home. Do not use on household pets or humans. Do not permit children or pets to go onto treated areas, such as soil, until the spray has dried. Do not contaminate ornamental fish ponds. Do not use or store near food or feed products. Food utensils such as spoons and measuring cups must not be used for food purposes after use in measuring pesticides.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. **DO NOT INDUCE VOMITING UNLESS NO OTHER TREATMENT IS AVAILABLE.** Vomiting may cause aspiration pneumonia. If it is necessary to induce vomiting, give victim one or two glasses of water and insert finger in back of throat. 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. This product contains a xylene range aromatic solvent which may present an aspiration hazard. Gastric lavage may be indicated if product was taken internally.

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

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of sprays. 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 1/4 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.

This pesticide is highly toxic to bees exposed to direct treatment or to residues on blooming crops or weeds. Do not apply this pesticide or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

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

Note: 2 Tablespoons = 1 fl. oz.; 3 teaspoons = 1 Tablespoon (tbsp.)

HOW TO USE: Shake well before using. Mixes readily with water and may be used in most types of sprayers. Always use a clean sprayer and flush with clean water after each use. To use with Super K-Gro hose-end sprayer, read the complete directions that are on the hose-end sprayer jar. Read the crop directions carefully to determine the amount of concentrate needed for each gallon of diluted spray required. Next, fill the hose-end sprayer jar with water to the appropriate level as marked on the side of the hose-end sprayer jar. Apply during cool, calm and dry periods of the day, when trees and plants are not under hot, direct rays of the sun, and rain is not expected within 24 hours. Do not treat food crops grown in a greenhouse. Use contents within 6 months after opening.

Observe stated times between last application and crop harvest, as well as total number of applications and application intervals. Numbers in () indicate Pre-Harvest Intervals, or days required between last application and harvest. Wash fruits and vegetables thoroughly before using.

FRUITS & NUTS: Apply as a full cover spray. Begin spraying after blooming and when insects first appear. Application should be at a rate of 2 tablespoons per 3 gallons of water.

NOTE: To protect bees, do not apply to fruit trees when trees or substantial number of weeds around trees are in bloom.

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Crop and (Pre-Harvest Interval)	Pest	Special Directions
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For the following fruits, do not apply more than 6 gals. per 500 sq. ft. of orchard. Do not make more than 5 applications per season at indicated time intervals.

Apricots (10)	Aphids, Apricot Mealybugs, Mites (Clover [brown], Twospotted Spider), Scale Crawlers (Olive, San Jose)	Minimum of 7 days between applications.
Cherries (10)	Black Cherry Aphids, Cherry Fruitflies, Cherry Fruitworms (Maggots), Fruittree Leafrollers, Mites (Cherry Rust), Scale Crawlers (San Jose)	Minimum of 7 days between applications.
Nectarines (10) Peaches (20)	Aphids, Mites (Clover [brown], Twospotted spider) Scale crawlers (Olive, San Jose)	Minimum of 14 days between applications.
Plums and Prunes (10)	Aphids (Leafcurl Plum, Mealy Plum, Thistle), Mites (Clover [brown], European Red)	Minimum of 7 days between applications

For the following nuts, do not apply more than 6 gals. per 500 sq. ft. of orchard. Do not make more than 3 applications per season at indicated time intervals.

Almonds (45) (CA only)	Aphids, San Jose Scale, Parlatoria Scale, Spider Mites Twig Borers	This product may be used on almonds only in California. Do not apply after husks open or split. Minimum of 14 days between applications.
Walnuts (45) (CA only)	Aphids, Scale Crawlers (Walnut, Italian pear, frosted), Spider Mites, Twig Borers	This product may be used on walnuts only in California. Do not use on walnuts grown in other states. Do not apply after husks open or split. Minimum of 14 days between applications.

For the following fruits, do not apply more than 5 gals. per 500 sq. ft. of field. Do not make more than 5 applications per season at indicated time intervals.

<p>Caneberries (7) (WA, OR, CA only) Blackberries (7) Boysenberries (7) Dewberries (7) Loganberries (7) Raspberries (7)</p>	<p>Aphids, Leafhoppers, Raspberry Fruitworms, Twospotted Mites, Thrips</p>	<p>This product may be used on caneberries only in California, Oregon and Washington. Do not use on caneberries grown in other states. Minimum of 14 days between applications.</p>
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For the following, do not apply more than 3 gals. per 500 sq. ft. of vineyard or field. See Special Directions for maximum applications per season and minimum time intervals.

<p>Grapes (18)</p>	<p>Aphids, Leafhoppers, Grape Berry Moths, Grape Leafrollers</p>	<p>Do not make more than 5 applications per season. Minimum of 7 days between applications.</p>
<p>Strawberries (5)</p>	<p>Aphids, Twospotted Mites, Strawberry Leafrollers</p>	<p>Do not make more than 3 applications per season. Minimum of 7 days between applications.</p>

VEGETABLE CROPS: For foliar or soil applications. For foliage, thoroughly spray all plant parts. For soil, mix into the soil immediately after application. Apply in the volume of water recommended to assure thorough coverage of the foliage or soil.

NOTE:

- Use on succulent peas and beans only. Do not use on dried pea or black-eyed bean varieties such as split peas, pinto beans, dried limas or dried black-eyed peas.
- Do not use on commercially grown potatoes which will be hand harvested.
- To protect bees, do not apply to (1) bean foliage if the beans or weeds in the treatment area are in bloom, or to (2) corn foliage during the pollen shed period.

To control Cutworms, broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

CROPS: Beans (succulent only: lima, pole, snap,), beets, red (table), cabbage, carrots, lettuce, peas (succulent only), radishes, sweet corn, tomatoes, turnips and turnip tops.

RATE: 6 tbsps. in a minimum of 1 1/2 gals. of water per 500 sq. ft.

To control **Mole Crickets**, broadcast to the soil 1-2 days before planting. Immediately work into soil 1-2 inches.

CROPS: Beans (succulent only: lima, pole, snap,), beets, red (table), carrots, peas (succulent only), sweet corn.

RATE: 2 tbsps. in a minimum of 1 1/2 gals. of water per 500 sq. ft.

To control **Wireworms**, broadcast to the soil just before planting. Immediately work into soil 4-8 inches.

CROPS: Beans (snap beans only), cabbage, carrots, lettuce, peas (succulent only), sweet corn, and tomatoes.

RATE: 6 tbsps. in a minimum of 1 1/2 gals. of water per 500 sq. ft.

To control **Aphids, Cucumber beetles, Grasshoppers, Leafhoppers, Mexican Bean Beetles, Spider Mites**, thoroughly spray all plant parts. Repeat application every 5 days up to 3 applications per season. Peas may be picked immediately after application.

CROPS: Beans (succulent only: lima, pole, snap), (7), peas (succulent only) (0).

RATE: 2 tbsps. in a minimum of 3 gals. of water per 1000 sq. ft.

To control **Aphids, Diamondback Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leafminers**, thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season.

CROPS: Broccoli (5), Cabbage (7), Cauliflower (5), Chinese Broccoli (10), Chinese Cabbage (Bok Choy & Napa) (10), Collards (10), and Kale (10).

RATE: 2 tbsps. in a minimum of 3 gals of water per 1000 sq. ft.

To control **Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers and Spider Mites**, thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season.

CROPS: Carrots (10), Celery (10), Endive (Escarole) (10), Lettuce (10), Parsnips (10), and Spinach (7).

RATE: 2 tbsps. in a minimum of 3 gals. of water per 1000 sq. ft.

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To control Aphids, Flea Beetles, Leafhoppers, Imported Cabbageworm and Dipterous Leafminers, thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season.

CROPS: Radishes (10), and Turnips & turnip tops (10).

RATE: 2 tbsps. in a minimum of 3 gals. of water per 1000 sq. ft.

To control Aphids, Thrips and Spider Mites, thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season.

CROPS: Cucumbers (7), Melons (Cantaloupes, Casabas, Crenshaws, Honeydews, Muskmelons, Persians) and watermelons (3), Summer Squash (7) and Winter Squash (3).

RATE: 2 tbsps. in a minimum of 3 gals. of water per 1000 sq. ft.

To control Root Maggots, broadcast to the soil just before planting. Immediately work into soil 3-4 inches.

CROP: Cabbage

RATE: 6 tbsps. in a minimum of 1 1/2 gals. of water per 500 sq. ft.

To control Onion Thrips, thoroughly spray all plant parts. Repeat application every 7 days up to 3 applications per season.

CROP: Onions (green & bulb) (10).

RATE: 2 tbsps. in a minimum of 3 gals. of water per 1000 sq. ft.

To control Aphids, Colorado Potato Beetles, Flea Beetles, Leafhoppers, thoroughly spray all plant parts. Repeat application every 7 days to 5 applications per season. Also controls Southern Armyworms and Dipterous Leafminers on potatoes.

CROP: Peppers (5), Potatoes (35).

RATE: 2 tbsps. in a minimum of 3 gals. of water per 1000 sq. ft.

To control Aphids, Flea Beetles, Grasshoppers, Spider Mites, thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Corn may be picked immediately following last application.

CROP: Sweet Corn (0)

RATE: 2 tbsps. in a minimum of 3 gals. of water per 1000 sq. ft.

To control Aphids, Colorado Potato Beetles, Fall Armyworms, Flea Beetles, Leafhoppers, Southern Armyworms, Vinegar Flies (*Drosophila* spp.), thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season.

CROP: Tomatoes (1)

RATE: 2 tbsps. in a minimum of 3 gals. of water per 1000 sq. ft.

STORAGE AND DISPOSAL

STORAGE: Do not store near heat or open flame. Store in original container in an area inaccessible to children and pets. USE CONTENTS WITHIN 6 MONTHS AFTER OPENING.

DISPOSAL: Do not reuse empty container. Securely wrap it in several layers of newspaper and discard in trash. If disposal of a partially full container is necessary, make sure cap is tightly closed, securely wrap the container in several layers of newspaper and discard in trash.

MADE IN THE U.S.A. FOR K MART CORPORATION, TROY MICHIGAN 48084

REGISTERED AND MANUFACTURED BY CELEX CORPORATION, PLYMOUTH, MI 48170

(A) EPA Est. No. 46515-MI-1
(B) 11715-TN-1

EPA Reg. No. 46515-17

Superscript corresponds to first letter of lot number on bottom of can.