

ZRP

1 OCT 1984

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17/8

Ms. Jackie DiMaggio
Chevron Chemical Company
ORTHO Agricultural Chemicals Division
940 Hensley Street
Richmond, CA 94804-0036

Dear Ms. DiMaggio:

Subject: Update Precautions & Support Data
ORTHO Diazinon Soil & Foliage Dust
EPA Registration No. 239-2332
Your submission dated June 22, 1984

The Agency has completed its review of the toxicology data submitted to update this registration. The toxicology data is in Accession Number 253628 and the formulation identification is in Accession Number 253629.

The submitted acute oral, acute dermal, eye irritation, and dermal irritation studies are acceptable. The acute dermal toxicity data are acceptable to support this product only and only because there were no deaths at 5 g/kg. Normally a minimum of 5 male and 5 female animals are required to be tested. The acute inhalation study has been classified as invalid because it lacks sufficient details to classify the product. No skin sensitization study was submitted.

<u>Route of Exposure</u>	<u>Toxicity Category</u>
Acute Oral Toxicity	III
Acute Dermal Toxicity	III
Eye Irritation	III
Skin Irritation	IV

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable provided the following revisions are made prior to release for shipment of product bearing the updated labeling:

1. Revise the Hazards to Humans & Domestic section to read:

CAUTION: Harmful if swallowed, inhaled, or absorbed through the skin. Do not inhale dust. May cause eye irritation. Wash thoroughly with soap and water after handling and before smoking or eating.

2. Revise the Statement of Practical Treatment order and text to read:

If Swallowed - Call a physician or Poison Control Center immediately.
Drink 1 or 2 glasses of water and induce vomiting by touching the back of throat with finger. Never give anything by mouth to an unconscious or convulsing person.

If in Eyes - Flush eyes with plenty of water. Get medical attention if irritation persists.

The Note to Physician text is acceptable as proposed.

3. Revise the bee precaution to read as follows:

This product is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting plants blooming in the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

4. It is assumed the word "DIRECTIONS", appearing directly beneath Copy A on the submitted finished label, will be deleted.
5. Change "Do not put concentrate or dilute into food or drink containers" to "Do not put this product into food or drink containers" in the STORAGE text.

Sincerely yours,

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

P.S. A stamped copy of the label is enclosed for your records.

COPY A

PRECAUTIONARY STATEMENTS - 10 pt

HAZARDS TO HUMANS & DOMESTIC ANIMALS - 10 pt

10 pt CAUTION: Causes eye irritation. Avoid contact with eyes. Wash hands thoroughly after handling. STATEMENT OF PRACTICAL TREATMENT: In case of eye contact, wash eyes immediately with fresh water for at least 15 minutes. See a doctor if irritation persists. Note to Physicians: Emergency Information - call (415) 233-3737. DIAZINON is a cholinesterase inhibitor. Atropine is antidotal. 2-PAM is also antidotal and may be used in conjunction with atropine but should not be used alone.

ENVIRONMENTAL HAZARDS: This product is toxic to fish and wildlife. Birds feeding on treated areas may be killed. Do not apply directly to water. This product is highly toxic to bees exposed to direct treatment of residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

COPY B

STORAGE AND DISPOSAL - 10 pt

STORAGE: Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Avoid contamination of feed and foodstuffs. Store in a cool, dry place, preferably in a locked storage area.

DISPOSAL: PRODUCT - Partially filled canister may be disposed of by securely wrapping original container in several layers of newspaper and discard in trash. CONTAINER - Do not reuse empty canister. Discard canister in trash.

COPY C

Keep out of reach of children - 10 pt

CAUTION - 14 pt

See back panel for additional precautionary statements.

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PROTECTED BY PATENT
UNCLASSIFIED

CHEVROLET
UNIVERSITY



ORTHO Diazinon Soil & Foliage Dust

READ LABEL—USE STRICTLY IN ACCORDANCE WITH LABEL CAUTIONS AND DIRECTIONS—KEEP PESTICIDE IN ORIGINAL CONTAINER

SOIL APPLICATION To control Cutworms and Wireworms prior to planting the following vegetable

Beans	Carrots	Cucumbers	Melons	Peas	Squash
Broccoli	Cauliflower	Endive	Onions	Peppers	Squash
Cabbage	Corn	Lettuce	Parsnips	Potatoes	Tomatoes

Apply evenly as a broadcast treatment over the surface of the soil. The contents of this package (1 lb.) should be spread evenly over 450 sq. ft. Immediately after spreading mix thoroughly with the soil to a depth of 6 to 8 inches.

Special Uses

Onions To control Onion Maggot, apply in furrow at rate of 6 Tablespoonsful per 100 ft. of row at time of planting.

Radishes To control Root Maggot, apply in furrow at rate of 9 Tablespoonsful per 100 ft. of row at time of planting.

FOLIAGE APPLICATION Apply dust at first signs of insects. Repeat as necessary. For best results, dust in early morning or late evening when temperature is low and air is still. Apply dust so that all parts of plants are contacted, especially upper and lower leaf surfaces. Do not shake directly on foliage of plants from container. Use an ORTHO Whirly Duster or similar type applicator to avoid over application which may damage young tender foliage. Number in () indicates days required between last application and harvest.

PLANTS	INSECTS
Beans (7)	Aphids, Western Spotted Cucumber Beetle
Broccoli (5), Cabbage (7), Cauliflower (5)	Aphids, Diamondback Moth Larvae, Import : Cabbage Worm
Carrots (10)	Aphids
Cucumbers (7)	Aphids, Cucumber Beetles, Leafhoppers, Leaf Miners, Mites, Thrips
Melons (3), Squash (7)	
Onions (10)	Onion Thrips
Peppers (5), Potatoes (35)	Aphids, Flea Beetles, Leaf Miners, Leafhoppers
Tomatoes (3)	Aphids, Leaf Miners, Banded Cucumber Beetles
Strawberries (5)	Aphids, Cyclamen Mites, Two-spotted Mite, Spittlebugs
Roses, Flowers, Shrubs	Aphids, Mites, Leafhoppers, Mealybugs, Whiteflies, Scale Crawlers, Lacebugs

NOTE: Do not use on ferns, poinsettias, hibiscus and gardenias since injury may occur. Not effective against certain Spider Mites on evergreens.

CAUTION: Keep out of reach of children. Harmful if swallowed. Avoid breathing dust. May be absorbed through skin. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

Note to Physicians: Emergency Information—call (415) 239-3737.

Avoid contamination of food and foodstuffs. Avoid storage near food and food products. Dispose of container promptly when empty.

This product is toxic to fish, birds, and other wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, streams, or ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of waste. Apply this product only as specified on this label.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

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

Chevron Chemical Company

Ortho Consumer Products Division
San Francisco CA 94120-7144
Richmond CA 94804-0036
Product 5074 Made in U.S.A.
Form 8044-R
EPA Reg. No. 239-2332-AA

EPA Est. 239-CA-1, 239-NJ-1, 239-MO-1
Superscript used is first letter of lot number



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ORTHO Diazinon Soil & Foliage Dust

USE STRICTLY IN ACCORDANCE WITH LABEL CAUTIONS AND DIRECTIONS
IN ORIGINAL CONTAINER

USE To control Cutworms and Wireworms prior to planting the following vegetables:

Carrots	Cucumbers	Melons	Peas	Spinach
Cauliflower	Endive	Onions	Peppers	Squash
Corn	Lettuce	Parsnips	Potatoes	Tomatoes

For broadcast treatment over the surface of the soil the contents of this package should be spread evenly over 450 sq. ft. Immediately after spreading mix thoroughly with soil to a depth of 6 to 8 inches.

To control Onion Maggot apply in furrow at rate of 6 Tablespoonfuls per 100 ft. of furrow at time of planting.

To control Root Maggot apply in furrow at rate of 9 Tablespoonfuls per 100 ft. of furrow at time of planting.

CAUTION: Apply dust at first signs of insects. Repeat as necessary for best results. Apply in early morning or late evening when temperature is low and air is still. Apply dust to plants are contacted, especially upper and lower leaf surfaces. Do not shake directly from container. Use an ORTHO Whirly Duster or similar type applicator to avoid over application and damage young tender foliage. Number in () indicates days required between last use and next.

INSECTS

	Aphids	Western Spotted Cucumber Beetle	
(7)	Aphids	Diamondback Moth Larvae	Import Cabbage Worm
	Aphids		
(7)	Aphids	Cucumber Beetles	Leafhoppers
		Leaf Miners	Mites
		Thrips	
	Onion	Thrips	
	Aphids	Beetles	Leaf Miners
		Leafhoppers	
	Aphids	Leaf Miners	Banded Cucumber Beetles
	Aphids	Cyclamen Mites	Two-spotted Mite
		Spittlebugs	
	Aphids	Mites	Leafhoppers
		Mealybugs	Whiteflies
		Scale	Crawlers
		Loebugs	

Do not use on ferns, poinsettias, hibiscus and gardenias since injury may occur. Do not use on certain Spider Mites on evergreens.

Keep out of reach of children. Harmful if swallowed. Avoid breathing dust. May be absorbed through skin, eyes and clothing. Wash thoroughly after handling.

For emergency information call (415) 233-3737.

Do not feed and feedstuffs. Avoid storage near food and feed products. Dispose of container properly.

Do not feed birds and other wildlife. Birds feeding on treated areas may be killed. Keep out of ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions are such that drift may occur. Do not contaminate water by cleaning of equipment or disposal of wastes. Only as specified on this label.

Do not allow bees exposed to direct treatment or residue on crops. Protective information for your Cooperative Agricultural Extension Service.

Assumes all responsibility for safety and use not in accordance with directions.

Chemical Company

Products Division

94120-7144

804-0036

Made in U.S.A.

2332-AA

1 239-NJ-1 239-MO-1

is first letter of lot number



8

Ms. Jackie DiMaggio
Chevron Chemical Company
ORTHO Agricultural Chemicals Division
940 Hensley Street
Richmond, CA 94804-0036

Dear Ms. DiMaggio:

Subject: Update Precautions & Su
ORTHO Diazinon Soil & F
EPA Registration No. 23
Your submission dated J

The Agency has completed its
update this registration. The to
and the formulation identification

The submitted acute oral, acute
studies are acceptable. The acute
support this product only and only
Normally a minimum of 5 male and
The acute inhalation study has been
sufficient details to classify the
submitted.

Route of Exposure

Acute Oral Toxicity
Acute Dermal Toxicity
Eye Irritation
Skin Irritation

The labeling referred to above
under the Federal Insecticide, Fungicide,
acceptable provided the following
shipment of product bearing the u

1. Revise the Hazards to Humans

CAUTION: Harmful if swallowed
Do not inhale dust. May irritate
soap and water after handling

2. Revise the Statement of Practical Treatment order and text to read:

If Swallowed - Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water and induce vomiting by touching the back of throat with finger. Never give anything by mouth to an unconscious or convulsing person.

If in Eyes - Flush eyes with plenty of water. Get medical attention if irritation persists.

The Note to Physician text is acceptable as proposed.

3. Revise the bee precaution to read as follows:

This product is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting plants blooming in the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

4. It is assumed the word "DIRECTIONS", appearing directly beneath Copy A on the submitted finished label, will be deleted.
5. Change "Do not put concentrate or dilute into food or drink containers" to "Do not put this product into food or drink containers" in the STORAGE text.

Sincerely yours,

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

P.S. A stamped copy of the label is enclosed for your records.

COPY A

PRECAUTIONARY STATEMENTS 10 µl

HAZARDS TO HUMANS & DOMESTIC ANIMALS 10 µl

10 µl CAUTION: Causes eye irritation. Avoid contact with eyes. Wash hands thoroughly after handling. STATEMENT OF PRACTICAL TREATMENT: In case of eye contact, wash eyes immediately with fresh water for at least 15 minutes. See a doctor if irritation persists. Note to Physicians: Emergency Information - call (415) 233-3737. DIAZINON is a cholinesterase inhibitor. Atropine is antidotal. 2-PAM is also antidotal and may be used in conjunction with atropine but should not be used alone.

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DIRECTIONS FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

COPY B

STORAGE AND DISPOSAL 10 µl

STORAGE: Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Avoid contamination of feed and foodstuffs. Store in a cool, dry place, preferably in a locked storage area.

DISPOSAL: PRODUCT - Partially filled canister may be disposed of by securely wrapping original container in several layers of newspaper and discard in trash. CONTAINER - Do not reuse empty canister. Discard canister in trash.

COPY C

Keep out of reach of children 10 µl

CAUTION 10 µl

See back panel for additional precautionary statements.

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ORTHO Diazinon Soil & Foliage Dust

READ ENTIRE LABEL USE STRICTLY IN ACCORDANCE WITH LABEL CAUTIONS AND DIRECTIONS

KEEP PESTICIDE IN ORIGINAL CONTAINER

DIRECTIONS

SOIL APPLICATION To control Cutworms and Wireworms prior to planting the following vegetables:

Beans	Carrots	Cucumbers	Melons	Peas	Spinach
Broccoli	Cauliflower	Endive	Onions	Peppers	Squash
Cabbage	Corn	Lettuce	Parsnips	Potatoes	Tomatoes

Apply evenly as a broadcast treatment over the surface of the soil. The contents of this package (1 lb.) should be spread evenly over 450 sq. ft. Immediately after spreading mix thoroughly with the soil to a depth of 6 to 8 inches.

Special Uses

Onions To control Onion Maggot, apply in furrow at rate of 1 Tablespoonfuls per 100 ft. of row at time of planting.

Radishes To control Root Maggot, apply in furrow at rate of 9 Tablespoonfuls per 100 ft. of row at time of planting.

FOLIAGE APPLICATION Apply dust at first signs of insects. Repeat as necessary. For best results, dust in early morning or late evening when temperature is low and air is still. Apply dust so that all parts of plants are contacted, especially upper and lower leaf surfaces. Do not shake directly on foliage of plants from container. Use an ORTHO Whirly Duster or similar type applicator to avoid application which may damage young tender foliage. Number in () indicates days required between last application and harvest.

PLANTS	INSECTS
Beans (7)	Aphids, Western Spotted Cucumber Beetle
Broccoli (5) Cabbage (7) Cauliflower (5)	Aphids, Diamondback Moth Larvae, Imported Cabbage Worm
Carrots (10)	Aphids
Cucumbers (7) Melons (3) Squash (7)	Aphids, Cucumber Beetles, Leafhoppers, Leaf Miners, Mites, Thrips
Onions (10)	Onion Thrips
Peppers (5) Potatoes (35)	Aphids, Flea Beetles, Leaf Miners, Leafhoppers
Tomatoes (3)	Aphids, Leaf Miners, Banded Cucumber Beetles
Strawberries (5)	Aphids, Cyclamen Mites, Twospotted Mite, Spittlebugs
Roses, Flowers, Shrubs	Aphids, Mites, Leafhoppers, Mealybugs, Whiteflies, Scale, Crawlers, Lacebugs

NOTE: Do not use on ferns, poinsettias, hibiscus and gardenias since injury may occur. Not effective against certain Spider Mites on evergreens.

CAUTION: Keep out of reach of children. Harmful if swallowed. Avoid breathing dust. May be absorbed through skin. Avoid contact with eyes, nose and mouth. Wash thoroughly with soap and water.

Avoid contamination of feed and feedstuffs. Avoid storage near feed and feed products. Dispose of container promptly when empty.

This product is toxic to fish, birds, and other wildlife. Birds feeding on treated crops may be killed. Keep out of lakes, streams, or ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

This product is highly toxic to bees exposed to direct treatment or residue on plants. Protective information may be obtained from your Cooperative Agricultural Extension Service.

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

Chevron Chemical Company

Ortho Consumer Products Division
San Francisco CA 94120 7144
Richmond CA 94804-0036
Product 5074 Made in U.S.A.
Form R-254-R

EPA Reg No 239 2332 AA

EPA Est 239 CA 1 239 NJ 1 239 MO 1
Superscript used is first letter of lot number



ACCI
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Under the
Pesticide
Act, this
product is
classified
as a
pesticide.

ORTHO Diazinon Soil & Foliage Dust

USE STRICTLY IN ACCORDANCE WITH LABEL CAUTIONS AND DIRECTIONS

USE To control Cutworms and Wireworms prior to planting the following vegetables:

Carrots	Cucumbers	Melons	Peas	Sprouts
Cauliflower	Endive	Onions	Peppers	Squash
Corn	Lettuce	Parsnips	Potatoes	Tomatoes

1. Broadcast treatment over the surface of the soil. The contents of this package spread evenly over 450 sq. ft. Immediately after, working into thoroughly with a depth of 6 to 8 inches.

2. To control Onion Maggot, apply in furrow at rate of 1/2 tablespoonfuls per 100 ft. of planting.

3. To control Root Maggot, apply in furrow at rate of 1/2 tablespoonfuls per 100 ft. of planting.

CAUTION: Apply dust at first signs of insects. Repeat as necessary. For best results, apply in early morning or late evening when temperature is low and air is still. Apply dust to plants are contacted, especially upper and lower leaf surfaces. Do not shake directly from container. Use an ORTHO Whirly Duster or similar type applicator to avoid over application. Number in [] indicates days required between last insecticide application and harvest.

INSECTS

Aphids, Western Spotted Cucumber Beetle	
[7] Aphids, Diamondback Moth Larvae, Imported Cabbageworm	
Aphids	
Aphids, Cucumber Beetles, Leafhoppers, Leaf Miners, Mites, Thrips	
[7] Onion Thrips	
Aphids, Flea Beetles, Leaf Miners, Leafhoppers	
Aphids, Leaf Miners, Banded Cucumber Beetles	
Aphids, Cyclamen Mites, Twospotted Mite, Spittlebugs	
Thrips, Aphids, Mites, Leafhoppers, Mealybugs, Whiteflies, Scale, Crawlers, Lacebugs	

Do not use on ferns, poinsettias, hibiscus and gardenias since injury may occur to certain Spider Mites on evergreens.

Keep out of reach of children. Harmful if swallowed. Avoid breathing dust. May be absorbed through skin.

Do not feed and foodstuffs. Avoid storage near food and feed products. Dispose of container properly. Do not feed to fish, birds, and other wildlife. Birds feeding on treated areas may be killed. Keep out of ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift. Do not contaminate water by cleaning of equipment or disposal of wastes unless as specified on this label.

Do not allow bees exposed to direct treatment or residue. For crops - Protective information on your Cooperative Agricultural Extension Service. Manufacturer assumes all responsibility for safety and use not in accordance with directions.

Chemical Company
Products Division
94170 7144
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Made in U.S.A.

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is first letter of lot number



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