

Reg # 19713-231

PM-14

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MAY 2 - 1994

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Ms. Barbara Brown  
Drexel Chemical Company  
2487 Pennsylvania Street  
P.O. Box 9306  
Memphis, TN 38109

Dear Ms. Brown:

Subject: Drexel Dimethoate 4 EC  
EPA Registration No. 19713-231  
Submission dated April 19, 1994

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable provided that you:

1. In the Statement of Practical Treatment, please change the statement "IF ON SKIN: Wash skin with soap and water" to "IF ON SKIN: Remove contaminated clothing and wash skin with soap and water. Launder clothing before reuse."
2. In the Use Directions for Apples, replace the colon with a period in the sentence as follows: "Midwest and eastern states only. Do not graze livestock in treated orchards."
3. In the Use Directions for Field Corn, the pest listed as "beer beetle" should be changed to "bean beetle."
4. Submit one copy of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

BEwards 5/2/94 A: 19713/231.3

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

Sincerely yours,

Robert A. Forrest  
Product Manager (14)  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

Enclosure

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

DIMETHOATE 4EC  
Systemic Insecticide - Miticide  
DO NOT STORE BELOW 45°F

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**ACTIVE INGREDIENT:**

Dimethoate (0,0-Dimethyl S-[N-(methylcarbamoyl)methyl] phosphorodithioate).....43.5%

INERT INGREDIENTS:.....56.5%

TOTAL:.....100.0%

1 Gallon Contains 4.0 pounds of Dimethoate

**KEEP OUT OF REACH OF CHILDREN**

**WARNING/AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

SHAKE WELL BEFORE USING

EPA Reg. No. 19713-231  
EPA Est. No. 19713-GA-1

Revisions 7/93  
CORRECTED: 02/94  
EPA Notice - Revised 4/18/94

**BEST AVAILABLE COPY**

**STATEMENT OF PRACTICAL TREATMENT**

IF SWALLOWED: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not give anything by mouth to an unconscious person.

IF ON SKIN: Wash skin with soap and water.

IF INHALED: Remove victim to fresh air. Apply artificial respiration if breathing has stopped. Call a physician.

IF IN EYES: Flush with water for at least 15 minutes. Get medical attention.

NOTE TO PHYSICIAN: Atropine is antidotal. Pralidoxime chloride may be effective as an adjunct to atropine. This product may cause cholinesterase inhibition. Treatment should be directed at the control of symptoms and clinical condition. Dimethoate is an organophosphate insecticide/miticide.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

**MAY 2 - 1994**

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

19713-231

4911

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Harmful or fatal if swallowed. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes and clothing. May cause eye irritation. Use only with adequate ventilation. Do not contaminate food and feed products.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category B on an EPA chemical resistance category selection chart. Applicators and other handlers must wear:

Long-sleeved shirt and long pants

Chemical-resistant gloves, such as Barrier Laminate or Butyl Rubber

Chemical-resistant footwear plus socks

Protective eyewear

Chemical-resistant headgear for overhead exposure

For exposures in enclosed areas, a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticide (MSHA/NIOSH approval number prefix TC-23), or a canister approved for pesticide (MSHA/NIOSH approval number prefix TC-14G).

For exposures outdoors, dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

## USER SAFETY RECOMMENDATIONS

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## ENVIRONMENTAL HAZARDS

This product is toxic to wildlife and aquatic invertebrates. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of wastes.

This pesticide is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

Do not use, pour, spill or store near heat or open flame. Do not use this product in or on electrical equipment due to possibility of shock hazard.

#### DIRECTIONS FOR USE

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

DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

Personal Protective Equipment required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is:

Coveralls

Chemical-resistant gloves, such as Barrier Laminate or Butyl Rubber

Chemical-resistant footwear plus socks

Protective eyewear

Chemical-resistant headgear for overhead exposure

#### AERIAL APPLICATION

Apply at least one gallon of finished spray per acre. Apply at least 5 gallons finished spray per acre in California.

Automatic flagging devices should be used whenever feasible.

BEFORE USING, READ WARNING STATEMENTS ON CONTAINER LABEL.

This product is intended for use in conventional hydraulic sprayers, ground applicators or airplane sprayers. When applying by ground equipment use the recommended amount in sufficient water for thorough coverage; by aircraft in 2 to 10 gallons of water unless otherwise specified. Do not apply when weather conditions favor drift or spray from areas treated. Repeat applications as necessary, unless otherwise specified. Consult your state experiment station or state extension service for proper timing of applications.

FRUIT CROPS				6911
FRUIT CROP	PEST CONTROLLED	RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION/HARVEST	
Apples	Apple maggot, Codling moth*	1 pt./100 gals. water	(28) Do not apply during the bloom period. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. Under heavy infestations, some sting injury may occur. *Midwest and eastern states only: Do not graze livestock in treated orchards. Do not apply when trees or substantial numbers of weeds in the orchard (grove) are in bloom.	
Apples, Pears	Aphids, Leaf-hoppers, mites, (except rust mites)	$\frac{1}{2}$ to 1 pt./100 gal. water	(28) Do not apply during the bloom period. Do not graze livestock in treated orchards. Do not apply when trees or substantial numbers of weeds in the orchard (grove) are in bloom.	
Grape-fruit, Lemons, Oranges, Tangerines	Aphids	Ground Equipment: $\frac{1}{2}$ to 1 pt/100 gals. water. Apply as an outside coverage spray. Aircraft Equipment: 1 to 2 qt/A. in 5 to 10 gals. water.	(15) Do not apply when trees or substantial numbers of weeds in the orchard (grove) are in bloom. Do not apply during the bloom period.	
	Mites (except rust mites)	Ground Equipment: $\frac{1}{2}$ to 1 pt/100 gals. water. Apply as a thorough coverage spray.	(15) Do not apply when trees or substantial numbers of weeds in the orchard (grove) are in bloom. Do not apply during the bloom period.	
	Scales (except black or snow)	Ground Equipment: 1 to 1 $\frac{1}{2}$ pt/100 gals. water. Apply as a thorough coverage spray.	(45) Do not apply when trees or substantial numbers of weeds in the orchard (grove) are in bloom. <i>DO NOT APPLY DURING BLOOM PERIOD</i>	
	Thrips	Ground Equipment: $\frac{1}{2}$ to 1 pt/100 gals. water. Aerial Equipment: 1 to 2 qt/A in 5 to 10 gals. water.	(15) Do not apply when trees or substantial numbers of weeds in the orchard (grove) are in bloom. <i>DO NOT APPLY DURING BLOOM PERIOD</i>	

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### FRUIT CROPS

FRUIT CROP	PEST CONTROLLED	RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION/HARVEST
	White-flies	Ground Equipment: 1 pt/100 gals. water. Apply as a thorough coverage spray. Do not apply during bloom period. Do not use on citrus seedlings. Make no more than 2 applications to mature fruit. Do not graze livestock in treated orchards.	(15) Do not apply when trees or substantial numbers of weeds in the orchard (grove) are in bloom.

*g. m. m.*

### NUT CROPS

NUT CROP	PEST CONTROLLED	RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION/HARVEST
Pecans	Aphids, mites, leafhoppers	2/3 pt./A.	(21) Do not graze livestock in treated groves.

### VEGETABLE CROPS

VEGETABLE CROPS	PEST CONTROLLED	RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION/HARVEST
Beans (green, lima, snap, dry)	Aphids, grasshoppers, leaf miners, Lygus bugs, mites, bean leaf beetle, Mexican bean beetle	$\frac{1}{2}$ to 1 pt./A.	Beans may be harvested on day of application. Do not feed treated vines. Do not apply to beans during the bloom period.
Broccoli, Cauliflower	Aphids	$\frac{1}{2}$ to 1 pt./A.	(7)
Cabbage	Aphids	$\frac{1}{2}$ to 1 pt./A.	(3)
Head Lettuce	Aphids, leafhoppers, leaf miners	$\frac{1}{2}$ pt./A.	(7)
Celery (Florida)	Leaf miners	Ground Equipment: 1 pt./A.	(7)
Leaf Lettuce, Spinach, Collards, Kale, Turnip (greens & roots), Mustard Greens, Swiss Chard, Endive (Escarole)	Aphids, leafhoppers, leaf miners	$\frac{1}{2}$ pt./A.	(14)

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VEGETABLE CROPS

VEGETABLE CROPS	PEST CONTROLLED	RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION/HARVEST
Melons (except water-melons)	Aphids, leafhoppers, leaf miners, thrips	1 pt./A.	(3)
Water-melons	Aphids, leafhoppers, leaf miners	$\frac{1}{2}$ to 1 pt./A.	(3)
Peas (Lentils)	Aphids	1/3 pt./A.	Peas may be harvested on day of application. Do not feed or graze hay within 21 days after last application when a stationary viner is used. Do not feed or graze when a mobile viner is used. Do not make more than 1 application per growing season. Do not apply to peas during the bloom period.
Peppers	Aphids, leaf miners, maggots	$\frac{1}{2}$ to 2/3 pt./A.	Peppers may be harvested on the day of application.
Potatoes	Aphids, grasshoppers, leaf miners, leafhoppers	$\frac{1}{2}$ to 2/3 pt./A.	Potatoes may be harvested on day of application.
Tomatoes	Aphids, leaf miners, leafhoppers	$\frac{1}{2}$ to 1 pt./A.	(7)

FIELD CROPS

FIELD CROPS	PEST CONTROLLED	RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION/HARVEST
Alfalfa	Aphids, grasshoppers, leafhoppers, plant bugs including Lygus, reduction of alfalfa weevil larvae	$\frac{1}{2}$ to 1 pt./A.	Do not apply to alfalfa in the bloom period. Do not apply within 10 days of harvest or pasturing. Make only one application per cutting. Effective only on cutting to which applied.
Field Corn	Banks grass mites (except Trans Pecos area of TX) aphids, beetle, corn rootworm adult *two-spotted spider mite	2/3 to 1pt/A. Aerial Application: Spray over the foliage when mites appear. Apply above rates in 1 or more gal water/A.	(14) Apply as necessary. Make no more than three applications per year. Do not feed or graze within 14 days of last application. Do not apply to corn during the pollen-shed period.



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FIELD CROPS	PEST CONTROLLED	FIELD CROPS	
		RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION/HARVEST
	Grass-hoppers	1 pt./A. Ground Appli- cation: Apply above rates in 20 to 40 gals. water/A. Aerial Appli- cation: Apply above rate in 2 or more gals. of water.	Do not apply to corn during the pollen-shed period.
Cotton (grown in CA and AZ)	Leafhoppers, fleahoppers, plant bugs including Lygus	$\frac{1}{2}$ to 1 pt./A.	(14) Repeat applications should not be made at intervals closer 14 days. Make only 2 appli- cations per season at the higher rate. Do not feed treated forage or graze live- stock on treated fields.
Cotton	Aphids, mites, $\frac{1}{2}$ to $\frac{1}{2}$ thrips, pt./A. fleahoppers		(14) Repeat applications should not be made at intervals closer than 14 days. Do not feed treated forage or graze live- stock on treated fields.
	Plant bugs including Lygus	$\frac{1}{2}$ pt./A.	
Safflower (grown in CA and AZ)	Aphids, leaf- hopper, thrips plant bugs including Lygus	$\frac{1}{2}$ to 1 pt./A.	(14) Repeat applications should not be made at inter- vals closer than 14 days. Make only 2 applications per season at the higher rate.
Sorghum (milo)	Aphids (green bugs)	$\frac{1}{2}$ to 1 pt/ A. Ground Application- Apply above rates in 25 to 40 gals. water/A. Aerial Appli- cation: Apply above rates in 1 or more gals. water/A.	Do not feed or graze (milo) within 28 days of last appli- cation. Make no more than 3 applications as needed per season. Do not apply after heading. Do not apply during the pollen-shed period.

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FIELD CROPS	PEST CONTROLLED	FIELD CROPS	
		RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION/HARVEST
	Banks grass mites - (excluding Trans-Pecos area of Texas), spider mites	1 pt./A. Ground Application: Apply above rate in 25 to 40 gals. water/A. Aerial Application: Apply above rate in 1 or more gals. of water/A.	Do not apply during the pollen shed period.
✓	Grass-hoppers	1 pt./A. Ground Application: Apply above rate in 25 to 40 gals. of water/A. Aerial Application: Apply above rate in 1 or more gals. of water/A.	Do not apply during the pollen shed period.
)	Sorghum midge	$\frac{1}{4}$ to $\frac{1}{2}$ pt./A. Aerial Application: Apply above rates in 1 or more gals. of water/A.	Do not apply during the pollen shed period.
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Soybeans	Mexican bean beetle, spider mites, bean leaf beetle, leafhoppers, *three-corn ered alfalfa hopper	1 pt./A. Aerial Application: Apply recommended rate in a minimum of 2 gals. of water/A.	(21) Do not feed or graze within 5 days of last application.
	Grasshopper	1 pt./A. Ground Application: Apply above rate in 25 to 40 gals. water/A. Aerial Application: Apply above rate in 1 or more gals. of water/A.	(21) Do not feed or graze within 5 days of last application.
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Wheat	Aphids (greenbugs)	$\frac{1}{2}$ to $\frac{3}{4}$ pt./A.	Do not apply within 14 days of grazing immature plants. Do not harvest grain within 35 days of last application.
	Brown wheat mite	$\frac{1}{3}$ to $\frac{1}{2}$ pt./A.	Do not make more than 2 applications per season.
	Grasshoppers	$\frac{3}{4}$ pt./A.	

SEED CROPS

SEED CROPS	PEST CONTROLLED	RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION/HARVEST
Alfalfa	Aphids, leaf-hoppers, Lygus bugs, grasshoppers, reduction of alfalfa weevil larvae	$\frac{1}{2}$ to 1 pt./A.	Do not apply to alfalfa in the bloom period. Do not feed or graze livestock in treated crops, hay, threshings or stubble within 10 days of application.

\*Not registered in California.

ATTENTION: Do not use On Seed Onions, Seed Carrots, Or Seed Bermuda Grass. Consult your State Agricultural Experiment Station or State Agricultural Extension Service for proper timing of application.

PLANT	PEST CONTROLLED	AMOUNT
Citrus (CA, AZ)	Aphids, Thrips,	Foliar Spray: 1 pt. DIMETHOATE 4EC per 100 gals. of water. Repeat applications as necessary. May be applied in the year grapefruit, lemon, orange and tangerine trees begin to bear fruit. Soil Drench (Trees 1 to 3 years old): 2 qt. DIMETHOATE 4EC per acre applied in the furrow or basin around the base of tree. Apply when insect injury to new growth appears. Do not apply to trees that will bear fruit within one year.

Do not apply when trees or substantial numbers of weeds in the orchard (grove) are in bloom.

**BEST AVAILABLE COPY**

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE: Store in a cool, dry, well ventilated area. Avoid high temperatures. Do not store below 45°F.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

WARRANTY--CONDITION OF SALE

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage, and handling of this material not in strict accordance with directions given herewith.

In no case shall Drexel or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by Drexel Chemical Company and is accepted as such by the Buyer.