

Reg # 19713-231

PM-14 yellow copy 1911

APR 3 1995

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Barbara Brown
Drexel Chemical Company
P.O. Box 13327
Memphis, TN 38113-0327

Dear Ms. Brown:

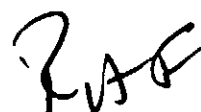
Subject: Drexel Dimethoate 4EC
EPA Registration No. 19713-231
Amendment dated March 29, 1995

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 make the following changes.

1. The use of dimethoate on Brussels Sprouts is limited to California based on the geographical representation of the residue data submitted for the tolerance petition. Additional residue data are required to expand the area of usage. Therefore, under the Directions for Use for Brussels Sprouts, you must add the statement "FOR USE IN CALIFORNIA ONLY."
2. 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. 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

BEwards A:19713/231.5

3/31/95

1911

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

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

CORRECTED: 02/94
EPA Notice - Revised 4/18/94
Amendment - 03/27/95 - Add Brussels Sprouts

ACCEPTED
with COMMENTS
in EPA Letter Dated
APR 3 1995
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, this product is
registered under FIFRA section 24(c).
19713-231

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. Call a physician immediately.

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.

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.

CHEMICAL HAZARDS

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

DIRECTIONS FOR DILUTION UNLESS STATED

Number in parenthesis for recommendations in crops indicates the maximum number of pints per acre.

Dilute Application - Ground Application For Field & Vegetable Crops:

Apply specified rate in 20 to 60 gallons of water per acre.

Concentrate Application - Ground Application: Apply specified rate in not less than 5 gallons of water per acre. Orchard Application - Apply equivalent per acre rates in 20 to 100 gallons of water per acre. Special concentrate equipment is necessary for these uses.

Air Application - Apply specified rate in 5 to 20 gallon of water per acre. Orchard rates use equivalent per acre rate in not less than 10 gallons of water per acre. Do not use air application on pecans. Automatic flagging devices should be used whenever feasible.

BEFORE USING, READ WARNING STATEMENTS ON CONTAINER LABEL.

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This product is intended for use in conventional hydraulic sprayers, ground applicators or airplane sprayers. 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			
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)	$\frac{1}{4}$ 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: $\frac{1}{4}$ 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: $\frac{1}{4}$ 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 $\frac{1}{4}$ 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. Do not apply during bloom period.

FRUIT CROPS			
FRUIT CROP	PEST CONTROLLED	RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION/HARVEST
	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. Do not apply during bloom period.
	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.	(15) Do not apply when trees or substantial numbers of weeds in the orchard (grove) are in bloom. Do not graze livestock in treated orchards.

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)
Brussel Sprouts	Aphids	1 to 2 pt./A.	(10) Apply in minimum of 100 gals. of water/A ground equipment. Do not graze livestock in treated fields. Do not apply by air. Do not exceed 6 applications per growing season.

VEGETABLE CROPS	PEST CONTROLLED	VEGETABLE CROPS	
		RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION/HARVEST
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)
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	$\frac{1}{3}$ 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 $\frac{2}{3}$ pt./A.	Peppers may be harvested on the day of application.
Potatoes	Aphids, grasshoppers, leaf miners, leafhoppers	$\frac{1}{2}$ to $\frac{2}{3}$ pt./A.	Potatoes may be harvested on day of application.

VEGETABLE CROPS			
VEGETABLE CROPS	PEST CONTROLLED	RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION/HARVEST

Tomatoes	Aphids, leaf miners, leaf-hoppers	$\frac{1}{2}$ to 1 pt./A.	(7)
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FIELD CROPS			
FIELD CROPS	PEST CONTROLLED	RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION/HARVEST

Alfalfa	Aphids, grass-hoppers, leaf-hoppers, 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.
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Field Corn	Banks grass mites (except Trans Pecos area of TX) aphids, bean beetle, corn rootworm adult *two-spotted spider mite	2/3 to 1 pt./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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	Grass-hoppers	1 pt./A. Ground Application: Apply above rates in 20 to 40 gals. water/A. Aerial Application: Apply above rate in 2 or more gals. of water.	Do not apply to corn during the pollen-shed period.
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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 than 14 days. Make only 2 applications per season at the higher rate. Do not feed treated forage or graze livestock on treated fields.
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FIELD CROPS	PEST CONTROLLED	FIELD CROPS	
		RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION/HARVEST
Cotton	Aphids, mites, thrips, fleahoppers	$\frac{1}{4}$ to $\frac{1}{2}$ pt./A.	(14) Repeat applications should not be made at intervals closer than 14 days. Do not feed treated forage or graze livestock on treated fields.
	Plant bugs including Lygus	$\frac{1}{2}$ pt./A.	
Safflower (grown in CA and AZ)	Aphids, leaf-hopper, thrips	$\frac{1}{4}$ to 1 pt./A.	(14) Repeat applications should not be made at intervals closer than 14 days. Make only 2 applications per season at the higher rate.
	plant bugs including Lygus		
Sorghum (milo)	Aphids (green bugs)	$\frac{1}{4}$ to 1 pt/A. Ground Application- Apply above rates in 25 to 40 gals. water/A. Aerial Application: Apply above rates in 1 or more gals. water/A.	Do not feed or graze (milo) within 28 days of last application. Make no more than 3 applications as needed per season. Do not apply after heading. Do not apply during the pollen-shed period.
	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.

FIELD CROPS	PEST CONTROLLED	FIELD CROPS	
		RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION/HARVEST
	Sorghum midge	$\frac{1}{4}$ to $\frac{1}{2}$ pt./A. Aerial Appli- cation: Apply above rates in 1 or more gals. of water/A.	Do not apply during the pollen shed period.
Soybeans	Mexican bean beetle, spider mites, bean leaf beetle, leafhoppers, *three-corn ered alfalfa hopper	1 pt./A. Aerial Appli- cation: Apply recommended rate in a min- imum 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.
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 appli- cations per season.
	Grasshoppers	$\frac{3}{4}$ pt./A.	

SEED CROPS	PEST CONTROLLED	SEED CROPS	
		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.

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.