

Reg # 19713-232

PM-14

MAY 3 - 1994

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Ms. Barbara Brown
Drexel Chemical Company
2487 Pennsylvania Street
P.O. Box 9306
Memphis, TN 38109-0306

Dear Ms. Brown:

Subject: Drexel Dimethoate 2.67
EPA Registration No. 19713-232
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 use directions for peppers, add the pest "maggots" as listed on last approved label.
2. In use directions for safflower, you have listed both lygus bugs and lygus. Please delete lygus.
3. 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

Robert A. Forrest 5/2/94 A-19713-232 B

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DREXEL
DIMETHOATE 2.67

ACTIVE INGREDIENT:

Dimethoate (O,O-Dimethyl S-[N-(methylcarbamoyl)methyl] phosphorodithioate.....30.5%

INERT INGREDIENTS:.....69.5%

TOTAL:.....100.0%

Contains 2.67 pounds active ingredient per gallon
Contains Xylene-range aromatic solvent.

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. 19713-232
EPA Est. No. 19713-GA-1

Revised 3/8/94 - EPA
EPA Amendment - 04/18/94

ACCEPTED
with COMMENTS
in EPA Letter Dated

MAY 3 - 1994

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 19713-232

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Do not induce vomiting. Call a physician immediately.

IF ON SKIN: Remove contaminated clothing and wash skin with soap and water. Launder clothing before reuse.

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. Aspiration solvent may cause severe lung damage. If swallowed, stomach contents should be evacuated quickly in a manner which avoids aspiration.

Otherwise treatment should be directed at the control of symptoms and clinical condition.

Dimethoate is an organophosphate insecticide/miticide.

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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.

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 pesticide 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 equipment or disposal of wastes.

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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 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. BEFORE USING, READ WARNING STATEMENTS ON CONTAINER LABEL.

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 and 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.

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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 - Ground 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.

ORNAMENTAL PLANTS	PEST CONTROLLED	AMOUNT PER 6 GAL. WATER
Azaleas (Outdoor Plants)	Lace Bugs, Leaf Miners, Mites, Tea Scale, White Flies	1.5 oz.
Camellias	Aphids, Camellia Scale, Mites, Tea Scale	1.5 oz. Foliar Spray: Apply 2 sprays 6 weeks apart the first year followed by annual applications soon after first growth begins in the spring. Soil Drench: Apply as a soil drench around the base of plants in early spring at the rate of 4 tbsps. per gallon of water per plant up to 6 feet tall. Increase this rate proportionately for larger plants.
Carnations	Aphids, Thrips, Mites	1.5 oz. Soil Drench: Apply as a soil drench at the rate of 4 fluid ounces per 500 sq. ft. of bed or bench (5 qts. per $\frac{1}{2}$ acre) in sufficient water for even distribution. Water thoroughly after application.
Cyperus	Bactra Moth, Larvae	1.5 oz. Apply as a drenching spray.
Day Lilies	Aphids, Thrips	3 oz.
Roses (Outdoor Plants)	Aphids, Leaf- hoppers, Mites, Thrips	1.5 oz.
Arborvitae	Aphids, Bag- worms, Mites	3 oz.

ORNAMENTAL PLANTS	PEST CONTROLLED	AMOUNT PER 6 GAL. WATER
Birch	Aphids, Leaf Miners	3/4 oz. For Leaf Miners: Apply when leaves are expanded (about mid May) and repeat in early July.
Boxwood	Leaf Miners, Mealy Bugs, Mites	1½ oz. For Leaf Miners: Apply in spring when leaf miner flies first appear or in early summer for control of larvae in the infested leaves.
Cedar	Mites	3 oz.
Euonymous	Aphids, Scale	3 oz.
Gardenias	Tea Scale, White Flies	1½ oz.
Gerberas	Thrips	1½ oz.
Gladiolus	Aphids, Thrips	1½ oz.
Iris	Aphids, Iris Borer, Thrips	3 oz. For Borer Control: Spray when new leaves are 5-6 inches tall.
Poinsettias (Outdoor Plants)	Mites, White Flies, Mealy Bugs, Aphids	1½ oz.
Ficus Mitida (Outdoor Plants)	Thrips	1½ oz. Note: Do not use on potted plants.
Holly (English and American, not Burford Variety)	Leaf Miners, Mites, Soft Scale	1½ oz. For Leaf Miners: Apply in spring when leaf miner flies first appear or in early summer for the control of larvae in infested leaves.
Hemlock	Mites, Scale	1½ oz.
Juniper	Aphids, Bagworms, Midges, Mites	3 oz.

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ORNAMENTAL PLANTS	PEST CONTROLLED	AMOUNT PER 6 GAL. WATER
Oak	Golden Oak Scale	3 oz.

Pine	Aphids, Bagworms, European Pine Shoot Moth, Nantucket Pine Tip Moth, Zimmerman Pine Moth	3 oz.
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Roses	Aphids, Leafhoppers, Mites, Thrips	1 pt. in 5-10 gals. water by air. 1 pt. in 100 gals. water ground application.
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Taxus	Fletcher Scale, Mealy Bugs, Mites	3 oz.
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CROP	PEST CONTROLLED	RATE
Peppers	Aphids, leaf miners, MAGGOTS (?)	3/4 to 1 pt./A.
Pecans	Aphids	1 pt./A.

INTERVAL (DAYS) BETWEEN
LAST APPLICATION/HARVEST
Peppers may be harvested
on day of application.

(21)
Apply with ground equip-
ment only. Do not graze
livestock in treated
groves. Apply with ground
equipment only.

Alfalfa	Aphids, grass- hoppers, leaf- hoppers, Lygus bugs, reduction of alfalfa weevil larvae	3/4 to 1 1/2 pt./A.
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Do not apply to alfalfa
during bloom period. Do
not feed livestock on
treated crops, trashing
or hay treated less than
10 days before harvest,
or pasture stubble sooner
than 10 days after
treatment. Make only one
application per year.
Effective only on cutting
to which applied.

Cotton (grown in CA & AZ)	Lygus bugs, leafhoppers, thrips, black fleahoppers	3/4 to 1 1/2 pt./A.
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(14)
Do not repeat application
within 14 days. Do not
feed treated forage or
graze livestock on
treated fields.

CROP	PEST CONTROLLED	RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION/HARVEST
+ Safflower (grown in CA)	Aphids, leaf-hopper, thrips, Lygus bugs Lygus	3/4 to 1 1/2 pt./A.	(14) Repeat applications should not be made at intervals closer than 14 days. Do not make more than 2 applications at the higher rate.
Tomatoes	Aphids, leaf	3/4 to 1 1/2 pt./A.	(7)
Water-melons, Melons	miners, leaf-hoppers		
) Mustard Greens, Swiss, Chard Endive	Aphids, leaf-hoppers, leaf-miners	3/4 pt./A.	(24)
Soybeans	Mexican bean beetle, spider mites	1 1/2 pt./A.	(21) Do not graze within 5 days of last application.
Wheat (grown in TX, OK, KS, SD)	Aphids (greenbugs)	3/4 to 1 pt./A.	Do not apply within 14 days of grazing immature plant. Do not harvest grain within 35 days of last application.
	Brown wheat mite	1/3 to 1 1/2 pt./A.	
) Sorghum	Greenbugs	3/4 to 1 1/2 pt./A.	Do not feed or graze within 28 days of last application. (1/3-2/3 pt./A for light infestations on young sorghum prior to head formation). Make up to three aerial applications or three ground applications as needed per season. Do not apply during the pollen-shed period.

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CROP	PEST CONTROLLED	RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION/HARVEST
Field Corn	Banks grass mite (except Trans Pecos area of TX)	1 to 1½ pt./A.	(14) Broadcast by air. Spray over the foliage when mites appear. Apply in ratio of 1 part DIMETHOATE 2.67 in 20 quarts water. Do not use less than 2½ gallons per acre for 1 pint rate and 3 ¾ gailons per acre for 1½ pint rate. Days between last application and harvest 14 (foraging) 42 (grain). Apply as necessary. Make no more than 3 applications per year. DO NOT APPLY TO CORN DURING THE POLLEN-SHED PERIOD.
Cotton, Early Season	Aphids, mites, thrips	1/3 to 2/3 pt./A.	(14) Do not repeat application within 14 days. Do not feed treated forage or graze live-stock on treated fields.
Potatoes	Aphids, leaf-miners, leaf hoppers	¾ to 1½ pt./A.	Potatoes may be harvested on day of application.
Beans (green, lima, snap, dry lupine)	Aphids, leaf-hoppers, leaf miners, Lygus bugs, mites,	¾ to 1½ pt./A.	Beans may be harvested on day of application. Do not feed treated vines. Do not apply during bloom period.
Broccoli, Cauliflower Cabbage	Aphids	¾ to 1½ pt./A.	(7)
Head Lettuce	Aphids, leafhoppers, leaf miners	¾ pt./A.	(7)
Leaf Lettuce, Spinach, Collards, Kale, Turnip (greens & roots).	Aphids, leafhoppers leaf miners	¾ pt./A.	(24)

CROP	PEST CONTROLLED	RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION/HARVEST
Peas (lentils)	Aphids	$\frac{1}{2}$ 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.

Apples, Pears (bearing & non bearing)	Aphids, Leaf- hoppers. mites, (except rust mites) Pear psylla	$\frac{3}{4}$ to $1\frac{1}{2}$ pt/100 gal. water	(28) Do not graze livestock in treated orchard. Do not apply when trees or substantial numbers of weeds in the orchard (grove) are in bloom. Do not apply during bloom period.
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CROP	PEST CONTROLLED	INTERVAL (DAYS) BETWEEN LAST APPLICATION/HARVEST
Citrus (CA, AZ) (non- bearing)	Aphids, Thrips,	Foliar Spray: Apply $1\frac{1}{2}$ pt./100 gals. water. Repeat application as necessary. Soil Drench: For trees 1 to 3 yrs old apply 3 qts./A in the furrow or soil ring around the base of tree. Apply when insect injury to new growth begins. Use only on non-bearing trees. Nursery stock applications should not be made in the year trees begin to bear fruit.

Grape- fruit, Lemons, Oranges, Tangerines	Aphid, Thrips	(15) Ground Equipment: $\frac{3}{4}$ to $1\frac{1}{2}$ pt/100 gals. water. Apply as ar outside coverage spray. Aircraft Equipment: 3 to 6 pt./A. in 15 to 20 gals. water.
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	Mites (except rust mites)	(15) Ground Equipment: $\frac{3}{4}$ to $1\frac{1}{2}$ pt./100 gals. water. Apply as a thorough distribution coverage spray. Do not apply when trees or substantial numbers of weeds in the orchard (grove) are in bloom. Do not apply during bloom period.
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	Scales (except black or snow)	(45) Ground Equipment: $1\frac{1}{2}$ to $2\frac{1}{2}$ pt./100 gals. water. Apply as a thorough coverage spray.
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CROP	PEST CONTROLLED	INTERVAL (DAYS) BETWEEN LAST APPLICATION/HARVEST
	White flies	(15) Ground Equipment: 1½ pt./100 gals. water. Apply as a thorough distribut. on coverage spray.

Do not apply during bloom period. Do not use on seedlings. Make no more than 2 applications to mature fruit. Do not enter treated groves within 4 days of last application. Do not graze livestock in treated orchards.

STORAGE AND DISPOSAL

DO NOT STORE BELOW FREEZING TEMPERATURES. Do not contaminate water, food or feed by storage or disposal.

STORAGE: Store in a cool, dry, well ventilated area. Avoid high temperatures.

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.

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