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JAN 26 1996

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

Dear Ms. Brown:

Subject: Drexel Dimethoate 2.67
EPA Registration No. 19713-232
Amendment dated January 8, 1996

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. Make the following changes to your label:

a) Under the Use Directions for Cottonwood (Poplar), add the words "PER 6 GAL. WATER" after the word "AMOUNT."

b) Under the Directions for Use for Brussels Sprouts, you must add the statement "FOR USE IN CALIFORNIA ONLY." As stated in our letter to you dated April 3, 1995, 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.

c) On page 11 of your label in the Directions for Use for Grapefruit, Lemons, Oranges, and Tangerines, there is an unnecessary group of headings immediately before White flies. Please remove this group of headings to avoid unnecessary confusion.

2. Submit one copy of your final printed labeling before you release the product for shipment.

BEST COPY AVAILABLE

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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. If you have any questions about this letter, please contact Beth Edwards at (703) 305-5400 or (703) 305-6600.

Sincerely yours,

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

Enclosure

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

ACCEPTED
with COMMENTS
in EPA Letter Dated

3-8-14

JAN 26 1996

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DREXEL
DIMETHOATE 2.67

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

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

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.

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

Revised 3/8/94 - EPA
EPA Amendment - 04/18/94
Amendment - 03/27/95 - Add Brussels Sprouts
Amendment - 10/95 - Add Cottonwood Poplar
Response to Agency letter 12/20/95 = (01/08/96 - Revised Cottonwood Poplar use rate)

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.

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.

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.

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 tbsp. 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 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	1 1/2 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	1 1/2 oz.
Gerberas	Thrips	1 1/2 oz.
Gladiolus	Aphids, Thrips	1 1/2 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	1 1/2 oz.
Ficus Mitida (Outdoor Plants)	Thrips	1 1/2 oz. Note: Do not use on potted plants.
Holly (English and American, not Burford Variety)	Leaf Miners, Mites, Soft Scale	1 1/2 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	1 1/2 oz.
Juniper	Aphids, Bagworms, Midges, Mites	. oz.

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.
Roses	Aphids, Leafhoppers, Mites, Thrips	1 pt. in 5-10 gals. water by air. 1 pt. in 100 gals. water ground application.
Taxus	Fletcher Scale, Mealy Bugs, Mites	3 oz.

ORNAMENTAL PLANTS
Cottonwood (Poplar)

PEST CONTROLLED
Leaf Beetle, Aphids, Bagworms

AMOUNT
Foliar Spray: Apply 3 oz. Repeat on a 10 day interval, as necessary, up to 4 sprays per year.
Soil Injection: Apply as a soil injection at the rate of 0.12 oz. per inch of tree circumference measured approximately 5 feet above ground level. Application should be made shortly after trees leaf out and again 6 to 8 weeks later, if necessary. Inject to a 4 to 6 inch level below ground surface. Number of injections should equal inches of tree circumference. Water heavily with at least two inches of water.

CROP	PEST CONTROLLED	RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION/HARVEST
Peppers	Aphids, leaf miners,	3/4 to 1 pt./A.	Peppers may be harvested on day of application.
Pecans	Aphids	1 pt./A.	(21) Apply with ground equipment 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.	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. This product is highly toxic to bees, do not apply if bees are visiting the areas to be treated when crop or weeds are in bloom.
Cotton (grown in CA & AZ)	Lygus bugs, leafhoppers, thrips, black fleahoppers	3/4 to 1 1/2 pt./A.	(14) Do not repeat application within 14 days. Do not feed treated forage or graze livestock on treated fields.
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 miners, leaf-hoppers	3/4 to 1 1/2 pt./A.	(7)

CROP	PEST CONTROLLED	RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION/HARVEST
Water-melons,	Aphids, leaf miners, leaf-hoppers	3/4 to 1 1/2 pt./A.	(3)
Melons	Aphids, leaf miner, leaf-hoppers	1-1/2 pt./A	(3)
Mustard Greens, Swiss, Chard Endive	Aphids, leaf-hoppers, leaf-miners	3/4 pt./A.	(14)
Soybeans	Mexican bean beetle, spider mites	1-1/3 pt./A	(21) Do not graze within 5 days of last application.
Wheat (grown in TX, OK, KS, SD)	Aphids (greenbugs) Brown wheat mite	3/4 to 1 pt./A. 1/3 to 1 1/2 pt./A.	Do not apply within 14 days of grazing immature plant. Do not harvest grain within 35 days of last application.
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.

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 gallons 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 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 livestock on treated fields.
Potatoes	Aphids, leaf-miners, leafhoppers	¾ to 1½ pt./A.	Potatoes may be harvested on day of application.
Beans (green, lima, snap, dry lupine)	Aphids, leafhoppers, leafminers, Lygus bugs, mites,	¾ to 1½ pt./A.	Beans may be harvested on day of application. Do not feed treated vines. This product is highly toxic to bees, do not apply if bees are visiting the area to be treated when crop or weeds are in bloom.
Broccoli, Cauliflower, Cabbage	Aphids	¾ to 1½ pt./A.	(7)
Brussel Sprouts	Aphids	1-1/2 to 3 pt./A	(10); Apply in a minimum of 100 gals. of water/A using ground equipment. Do not graze livestock in treated fields. Do not apply by air. Do not exceed 6 applications per growing season.

CROP	PEST	RATE	INTERVAL (DAYS) BETWEEN
Head	CONTROLLED		LAST APPLICATION/HARVEST
Lettuce	Aphids,	3/4 pt./A.	(7)
	leafhoppers,		
	leaf miners		

CROP	PEST	RATE	INTERVAL (DAYS) BETWEEN
Leaf	CONTROLLED		LAST APPLICATION/HARVEST
Lettuce,	Aphids,	3/4 pt./A.	(14)
Spinach,	leafhoppers		
Collards,	leaf miners		
Kale, Turnip			
(greens & roots).			

Peas (lentils)	Aphids	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. This product is highly toxic to bees, do not apply if bees are visiting the area to be treated when crop or weeds are in bloom.
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Apples, Pears (bearing & non bearing)	Aphids, Leaf- hoppers, mites, (except rust mites) Pear psylla	3/4 to 1 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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Citrus (CA, AZ) (non- bearing)	Aphids, Thrips,	Foliar Spray: Apply 1 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.
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CROP	PEST CONTROLLED	INTERVAL (DAYS) BETWEEN LAST APPLICATION/HARVEST
Grape-fruit, Lemons, Oranges, Tangerines	Aphid, Thrips	(15) Ground Equipment: 3/4 to 1 1/2 pt./100 gals. water. Apply as an outside coverage spray. Aircraft Equipment: 3 to 6 pt./A. in 15 to 20 gals. water.
	Mites (except rust mites)	(15) Ground Equipment: 3/4 to 1 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.
	Scales (except black or snow)	(45) Ground Equipment: 1 1/2 to 2 1/2 pt./100 gals. water. Apply as a thorough coverage spray.
CROP	PEST CONTROLLED	INTERVAL (DAYS) BETWEEN LAST APPLICATION/HARVEST
	White flies	(15) Ground Equipment: 1 1/2 pt./100 gals. water. Apply as a thorough distribution coverage spray.

Do not apply during bloom period. Do not use on seedlings. Make no more than 2 applications to mature fruit. 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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