Please read instructions on reverse before completing form

**₽EDA** 

**United States** 

rove	d. OMB No. 2070-0060.
	Registration
	Amendment
<b>V</b>	Othor

**OPP Identifier Number** 

WEFA	Environmenta Washi	ington, DC 20	• .	V	Amendme Other	nt (
		Application	on for Pesticid	e - Section		
1. Company/Product Number 19713-231	ır		I	roduct Menager NI OONITHAI	V	3. Proposed Classification  None Restricted
4. Company/Product (Name DIMETHOATE 4EC	)		PM# Insectic	ide-Rodenticio	de Branch	None nestileted
5. Name and Address of Ap  Drexel Chemical Co  Memphis, TN 381  Check if this	ompany, P.O. Box	·	(b)(i), my to: EPA Re	product is sin	nilar or identical	with FIFRA Section 3(c)(3) in composition and labeling
			Section - II	( I TABLIFE		
Amendment - Explain  Resubmission in resp  Notification - Explain	onse to Agency letter	dated		Final printed labe Agency letter da: 'Me Too" Applic Other - Explain b	ation.	NOTIFICATION  JUL 1 0 2000
Explanation: Use addition A copy of the label (231SP-0			ions detailed out on th	e accompanying s	submission cover l	etter. Thank you.
			Section - III			
1. Material This Product WII	T					
Child-Resistant Packaging Yes No * Certification must be submitted	Unit Packaging Yes No If "Yes" Unit Packaging wgt.	No. per container	Water Soluble Pace Yes No If "Yes" Package wgt	No. per container	Pla Gl Pa	etal astic ass per her (Specify)
3. Location of Net Contents	Information ontainer	4. Size(s) Ret	tail Container	5. Lo	ocation of Label D	irections
6. Manner in Which Label is	Affixed to Product	Lithog Paper Stenci	raph glued led	Other		
			Section - IV			
1. Contact Point   Complete	items directly below f	or identificatio	n of individual to be	contacted, if nec	essary, to proces	s this application.)
Name LUZ G PIWONKA			Title REGISTRATION M	IANAGER		phone No. (Include Ares Code) 1) 774-4370
i certify that the state i acknowledge that an both under applicable	y knowlinglly false or		all attachments there			te. (Stamped)
2. Signature Luz G.	Pinoka		3, Title REGISTRATION MAI	NAGER		
4. Typed Name LUZ G PIWONKA	<del>-</del>		5. Date 6/26/	2000		



# **NOTIFICATION**

JUL 1 0 2000

# Dimethoate 4EC

Systemic Insecticide - Miticide

#### **ACTIVE INGREDIENT:**

Dimethoate*: 0,0-Dimethyl S-N-(methylcarbamo	yl)
methyl phosphorodithioate	43.5%
OTHER INGREDIENTS:	56.5%
TOTAL:	100.0%
*This product contains 4 pounds of active ingredient per	gallon.

# 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 the label, find someone to explain it to you in detail.)

### See FIRST AID Below SHAKE WELL BEFORE USING

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

Net Contents:

#### **FIRST AID**

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 and chemical-resistant headgear for overhead exposure. For exposures in enclosed areas, a respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter. For exposures outdoors, dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any R, P or HE filter.

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

(Continued)

#### PRECAUTIONARY STATEMENTS (Continued)

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.

Engineering Control Statements: 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**

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) 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 (WPS), 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, 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 Interval (REI). The requirements in this Lcx only apply to uses of this product that are covered by the WPS.

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

(Continued)



#### AGRICULTURAL USE REQUIREMENTS (Continued)

PPE required for early entry to treated areas that is permitted under the WPS 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 and chemical-resistant headgear for overhead exposure.

#### DIRECTIONS FOR DILUTION UNLESS STATED

<u>Dilute Application</u> - Ground Application For Field and Vegetable Crops: Apply specified rate in 20 to 60 gallons of water per acre. <u>Concentrate Application</u> - 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 at least one gallon of finished spray per acre. Apply at least 5 gallons of finished spray per acre in CA. 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. This product is intended for use in conventional hydraulic sprayers, ground applicators or aerial sprayers. Do not apply when weather conditions favor drift of spray from treated areas. Repeat applications as necessary unless otherwise specified. Consult your State Experiment Station or State Extension Service for proper timing of application.

#### FRUIT CROPS

FRUII Ch	UP3				
Crop	Pest Controlled	Rate	PH! (Days)		
Apples	Apple maggots, Codling moths*	1 pt. per 100 gals. of water	28		
	period. Apply at peta until control is achieve injury may occur. Do r	NS: Do not apply during the bill fall and every 10 to 14 days to d. Under heavy infestations, so not graze livestock in treated or substantial numbers of ware in bloom.	hereafter ome sting rchards.		
	*Midwest and Eastern st	ales only.			
Apples, Pears	Aphids, Leafhop- pers, Mites (except Rust mites)	½ to 1 pt. per 100 gals. of water	28		
	period. Do not graze	NS: Do not apply during the bla livestock in treated orchards. D substantial numbers of weeds in bloom.	o not		
Grapefruit, Lemons, Oranges, Tangerines	Aphids	GROUND: ½ to 1 pt. per 100 gals. of water. Apply as an outside coverage spray. AR: 1 to 2 qts. per acre in 5 to 10 gals. of water.	15		
	SPECIFIC DIRECTIONS: 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: ½ to 1 pt. per 100 gals. of water. Apply as a thorough coverage spray.	15		
	SPECIFIC DIRECTIONS: Do not apply when trees or sub- stantial numbers of weeds in the orchard (grove) are in bloom. Do not apply during the bloom period.				
	Scales (except Black or Snow)	GROUND: 1 to 1½ pts. per 100 gals. of water. Apply as a thorough coverage spray.	45		
	SPECIFIC DIRECTION substantial numbers of bloom. Do not apply d	NS: Do not apply when trees or f weeds in the orchard (grove) uring bloom period.	r are in		
	Thrips	GROUND: 1 to 1½ pts. per 100 gals. of water. AIR: 1 to 2 qts. per acre in 5 to 10 gals. of water.	15		
	SPECIFIC DIRECTIONS: Do not apply when trees or substantial numbers of weeds in the orchard (grove) are in bloom. Do not apply during bloom period.				
	Whiteflies	GROUND: 1 pt. per 100 gals. of water. Apply as a thorough coverage spray.	15		
	stantial numbers of we bloom. Do not apply d Citrus seedlings. Make	NS: Do not apply when trees or eds in the orchard (grove) are uring bloom period. Do not use a no more than 2 applications to aze livestock in treated orchard	in e on o		

#### **NUT CROPS**

Crop	Pest Controlled	Rate per Acre	PHI (Days)		
Pecans	Aphids, Mites, Leafhoppers	₹5 pt.			
	SPECIFIC DIRECTIONS: Do not graze livestock in treated groves.				

#### **VEGETABLE CROPS**

VEUETABLE	UNUFS	<u></u>			
Crop	Pest Controlled	Rate per Acre	PHI (Days)		
Beans (Dry, Green, Lima, Snap)	Aphids, Bean leaf beetles, Grasshoppers, Leafhoppers, Leafminers, Lygus bugs, Mexican bean beetles, Mites	½ to 1 pt.	0		
	SPECIFIC DIRECTIONS: Do pesticide is highly toxic to be visiting the areas to be treate bloom.	es. Do not apply if be	es are		
Broccoli, Cauliflower	Aphids	1/2 to 1 pt.	7		
Brussels sprouts	Aphids	1 to 2 pts.	10		
(CA Only)	SPECIFIC DIRECTIONS: Apply in a minimum of 100 gais. of water per acre by ground equipment. Do not graze livestock in treated fields. Do not apply by air. Do not exceed 6 applications per growing season.				
Cabbage	Aphids	1/₂ to 1 pt.	3		
Celery (FL)	Leafminers	1 pt.	7		
Collards, Endive (Escarole), Kale, Leaf let- tuce, Mustard greens, Spin- ach, Swiss chard, Turnip (Greens, Roots)	Aphids, Leafhoppers, Leafminers	½ pt.	14		
Head lettuce	Aphids, Leafhoppers, Leafminers	½ pt.	7		
Lentils	Aphids	1/3 to 1 pt.	14		
<u> </u>	SPECIFIC DIRECTIONS: Do not feed or graze treated plants. Do not make more than two applications per season.				
	Lygus	1 pt.	14		
	SPECIFIC DIRECTIONS: Do plants. Do not make more that season.				
Lupine	Aphids, Lygus bugs	½ pt. to 1 pt.	0		
	SPECIFIC DIRECTIONS: App Make only 2 applications per s forage or hay. This pesticide is apply if bees are visiting the ail or weeds are in bloom.	season. Do not feed o s highly toxic to bees.	or graze Do not		
Melons (Except Watermelons)	Aphids, Leafhoppers, Leafminers, Thrips	1 pt.	3		
Peas	Aphids	1/₂ to 1 pt.	0		
	SPECIFIC DIRECTIONS: 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.				
-	Lygus	1 pt.	0		
	SPECIFIC DIRECTIONS: Do r 21 days after last application w used. Do not feed or graze wh Do not make more than 1 appl	vhen a stationary vine en a mobile viner is u	ris sed.		
Peppers	Aphids, Leafminers, Maggots	1/2 to 3/5 µL	0		
Potatoes	Aphids, Grasshoppers, Leafhoppers, Leafminers	1⁄2 to 3∕3 pt.			
	Aphids, Leafhoppers, Leafminers	½ to 1 pt.	7		
	Aphids, Leafhoppers, Leafminers	1/₂ to 2 pts.	3		

#### FIELD CROPS

Crop	Pest Controlled	Rate per Acre	PHI (Days			
Alfalfa	Aphids, Grasshoppers, Leafhoppers, Plant bugs (including Lygus), reduction of Alfalfa weevil larvae	½ to 1 pL	10			
	SPECIFIC DIRECTIONS: Make only one application per cut- ting. Effective only on cutting to which applied. This product is highly toxic to bees. Do not apply if bees are visiting the area to be treated when crops or weeds are in bloom.					
Cotton (Grown in AZ and CA)	Fleahoppers, Leaf- hoppers, Plant bugs including Lygus	½ to 1 pt.	14			
	made at intervals closer	: Repeat applications sho than 14 days. Make only 2 a higher rate. Do not feed to on treated fields.	appli-			
Cotton	Aphids, Fleahoppers, Mites, Thrips	¼ to ½ pt.	14			
	Plant bugs including Lygus	1/2 pt.				
	SPECIFIC DIRECTIONS made at intervals closer I forage or graze livestock	: Repeat applications show than 14 days. Do not feed on treated fields.	uld not be treated			
Field com	Aphids, Banks grass mites (except Trans Pecos area of TX), Bean beetles, "Com rootworm adults, Two- spotted spider mites	34 to 1 pt. Aerial Application: See "SPECIFIC DIRECTIONS"	14			
	SPECIFIC DIRECTIONS: Apply as necessary. Make no more than 3 applications per year. Do not feed or graze within 14 days of last application. Do not apply to Com during the pollen-shed period. Aerial Application: Spray over the foliage when Miles appear. Apply above rates in 1 or more gals. of water per acre.  *Not registered in CA.					
	Grasshoppers	1 pt. See "SPECIFIC DIRECTIONS"	14			
	SPECIFIC DIRECTIONS: Do not apply to Com during the pollen-shed period. Ground Application: Apply above rate in 20 to 40 gals. of water per acre. Aerial Application: Apply above rate in 2 or more gals. of water.					
Safflower (Grown in AZ and CA)	Aphids, Leafhoppers, Plant bugs including Lygus, Thrips	½ to ↑ pL	14			
	SPECIFIC DIRECTIONS: Repeat applications should not be made at intervals closer than 14 days. Make only 2 applications per season at the higher rate.					
Sorghum (Milo)	Aphids (Green bugs)	½ to 1 pt See "SPECIFIC DIRECTIONS"	28			
	SPECIFIC DIRECTIONS: 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. Ground Application: Apply above rate in 25 to 40 gals. of water per acre. Aerial Application: Apply above rate in 1 or more gals. of water per acre.					
	Banks grass mites (excluding Trans Pecos area of TX), Grasshop- pers, Spider mites	1 pt. See "SPECIFIC DIRECTIONS"				
	SPECIFIC DIRECTIONS: Do not apply during the pollen- shed period. Ground Application: Apply above rate in 25 to 40 gals. of water per acre. Aerial Application: Apply above rate in 1 or more gals. of water per acre.					
	Sorghum midges	¼ to ½ pt. See "SPECIFIC DIRECTIONS"	-			
		Do not apply during the pocation: Apply above rates cre.				

# FIELD CROPS (Continued)

Сгор	Pest Controlled	Rate per Acre	PHI (Days)	
Soybeans	Bean leaf beetles, Leafhoppers, Mexican bean beetles, Spider mittes, "Threecomered alfalfa hoppers		21	
	SPECIFIC DIRECTIONS: Do not feed or graze within 5 days of last application. Aerial Application: Apply recommended rate in a minimum of 2 gals, of water per acre.  *Not registered in CA.			
	Grasshoppers	1 pt. 21 See "SPECIFIC DIRECTIONS"		
	SPECIFIC DIRECTIONS: Do not feed or graze within 5 days of last application. Ground Application: Apply above rate in 25 to 40 gals. of water per acre. Aerial Application: Apply above rate in 1 or more gals. of water per acre.			
Wheat	Aphids (Greenbugs), Brown wheat mites	1/2 to 3/4 pt.	35	
		: Do not make more than 2 t apply within 14 days of gra		
	Grasshoppers	¾ pt.	35	
	SPECIFIC DIRECTIONS: Do not make more than 2 applications per season. Do not apply within 14 days of grazing immature plants.			

### SEED CROPS

Crop	Pest Controlled	Rate per Acre	PHI (Days)	
Alfalfa	Aphids, Grasshoppers, Leafnoppers, Lygus bugs, reduction of Alfalfa weevil larvae	½ to 1 pt. See "SPECIFIC DIRECTIONS"	10	
	SPECIFIC DIRECTIONS: Do not feed or graze livestock in treated crops, hay, threshings or stubble within 10 days of application. This product is highly toxic to bees. Do not apply if bees are visiting the area to be treated when crops or weeds are in bloom.			

# CITRUS (Non-Bearing & Nursery Stock)

Crop	Pest Controlled	Rate per Acre	PHI (Days)
Citrus (Grown in AZ	Aphids, Thrips	See "SPECIFIC DIRECTIONS"	-
and CA)	of water. Repeat applica in the year Grapefruit, Le begin to bear fruit. Soil I 2 qts. per acre applied ii of tree. Apply when inser- not apply to trees that wi apply when trees or a su orchard (grove) are in bl. Note: Consult your State	i: Foliar Spray - 1 pt. per 16 tions as necessary. May be smoot, Orange and Tangerine Drench (Trees 1 to 3 years in the furrow or basin around it injury to new growth appeal bear fruit within one year. I bostantial number of weeds in oom.  A Agricultural Experiment Station Service for proper timing	applied a trees s old) - the base ars. Do Do not in the

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal. PESTICIDE 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 as-

sumes all risks of use, storage and handling of this material not in

strict accordance with directions given herewith.

In no case shall the Manufacturer 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 the Seller and is accepted as such by the Buyer.





June 26, 2000

NOTIFICATION

Submission of a Revised Label per PR Notice 98-10

JUL 1 0 2000

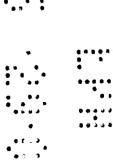
DIMETHOATE 4EC (EPA Reg. No. 19713-231)

This notification is consistent with the Provisions of PR Notice 98-10 and EPA Regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the Confidential Statement of Formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Sections 12 and 14 of FIFRA.

FOR DREXEL CHEMICAL COMPANY

LUZ G PIWONKA Registration Manager

> # 4 h 1 # # # # #



1700 Channel Avenue • Post Office Box 13327 • Memphis, Tennessee 38113-0327 Phone: (901) 774-4370 • Fax: (901) 774-4666 • E-mail: drexchem@bellsouth.net

SINCE 1972



June 26, 2000

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
Rm 266A, Crystal Mall 2
1921 Jefferson Davis Hwy.
Arlington, VA 22202

Re: Submission of a Revised Label by Notification per PR Notice 98-10 - DIMETHOATE 4EC (EPA Reg. No. 19713-231)

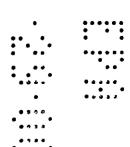
Reference is made to the above.

Herewith, please find:

- 1. Completed EPA Form 8570-1
- 2. One (1) copy of the label (231SP-0600) with the following revisions:
- i) In the Agricultural Use Requirements box, the phrase 'and notification to workers' was deleted as it is not relevant per the 1998 EPA Label Review Manual.
- ii) On page 2 of the label, in the 'Apples' box, the footnote '\*Midwest and Eastern states only.' as relocated at the bottom of the box.
- iii) In the Sorghum box on page 3 of the label, 'Grasshoppers' was combined with 'Banks grass mites and Spider Mites since the use recommendations are similar.
- iv) In the Wheat box, 'Brown wheat mites' was combined with Aphids since the recommendations are similar.
- v) 'Non-Bearing and Nursery Stock' was added after "CITRUS" and the PHI interval of 14 days which was mistakenly stated was deleted per the EPA Stamped Accepted label of April 3, 1995.

The revisions were highlighted for easy reference except for item ii).

3. Certification Statement per PR Notice 98-10.



1700 Channel Avenue • Post Office Box 13327 • Memphis, Tennessee 38113-0327 Phone: (901) 774-4370 • Fax: (901) 774-4666 • E-mail: drexchem@bellsouth.net



If you have questions/clarification regarding this submission, I can be reached at (901) 774-4370.

Respectfully,

DREXEL CHEMICAL COMPANY

Luz G'Piwonka

Registration Manager