.19713-231	06-1	3-1999		2 kg	<- }	γ.
CEPA United St Environmental Prote Washington, D	tates ection Age		Registra Amend Other	ation		exal expires 2-28- entifier Number
Applic	cation for F	Pesticide - Section	T ::-	******		
1. Company/Product Number 19713-231		2. EPA Product Manager MR. LEONARD COLE	• E	1	roposed C	Restricted
4. Company/Product (Name) DIMETHOATE 4 EC		Рм# Insecticide-Rodenticio	le Branch] 110176	Nastricted
5. Name and Address of Applicant (Include ZIP Code) Drexel Chemical Company, 1700 Channel A MEMPHIS, TN 38113 Check if this is a new address	Avenue	6. Expedited Reveiw. (b)(i), my product is sinto: EPA Reg. No. Product Name	nilar or iden			
	Saat	tion - II				
Amendment - Explain below. Resubmission in response to Agency letter dated	with revisions ma eleted and is repl ned out and highli	ide on the directions for Air A aced by "Apply at least one o	ation. elow.	page 2 of	the label. 1	8 1999 The sentence oply at least 5
	Sect	ion - III				
1. Material Thie Product Will Be Packaged In:						
Child-Resistant Packaging Yes No No No If "Yes" Unit Packaging wgt. No. proposition must be submitted Vertification must	er If "Yes		2. Type of	Motal Plastic Glass Paper	Specify)	
3. Location of Net Contents Information 4. Size((s) Retail Contair	5. Lo	cation of La	bel Direction	ons	
6. Manner in Which Label is Affixed to Product	Lithograph Paper glued Stenciled	Other		***************************************		
	Secti	on - IV				
1. Contact Point (Complete items directly below for identity	fication of indivi	dual to be contacted, if nec	essery, to pi	ocess this	application	on.)
Name LUZ G PIWONKA	Title REGISTI	RATION MANAGER		Telephon (901) 774		lude Area Code)
Cer I certify that the statements I have made on this form I acknowledge that any knowlingily false or misleading both under applicable law.	tification m and all attachi ing statement ma	ments thereto are true, eco sy be punishable by fine or	urate and co imprisonmer	mplete. It or	Recei	Application ved stamped)

3. Title

5. Date

REGISTRATION MANAGER

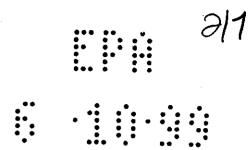
June 9, 1999

2. Signature

4. Typed Name

LUZ G PIWONKA





June 9, 1999

Notification of Submission of Label Revisions as per PR Notice 98-10

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

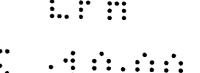
LUZ G PIWONKA Registration Manager

Lug G. Piworla

NOTIFICATION JUN 1 8 1999

NOTIFICATION JUN 1 8 1999





Dimethoate 4EC

Systemic Insecticide - Miticide

ACTIVE INGREDIENT:

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 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/mitticide.

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, 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), restricted entry interval (REI) and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

(Continued)



AGRICULTURAL USE REQUIREMENTS (Continued)
Do not enter or allow worker entry into treated areas during the restricted entry interval 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 and chemical-resistant headgear for overhead exposure.

DIRECTIONS FOR DILUTION UNLESS STATED

<u>Dilute Application</u> - 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 gallons of water per acre. Apply at least one gallon of finished spray per acre. Apply at least 5 gallons of finished spray per acre. Or chard 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

Crop	Pest Controlled	Rate	PHI (Days)	
Apples	Apple maggots, Codling moths*	1 pt. per 100 gals. of water	28	
	SPECIFIC DIRECTIONS: 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, Leafhoppers, Mites (except Rust mites)	1/2 to 1 pt. per 100 gals, of water	28	
	SPECIFIC DIRECTIONS: 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.			
Grapefruit, Lemons, Oranges, Tangerines	Aphids	GROUND: ½ to 1 pt. per 100 gals, of water. Apply as an outside coverage spray. AIR: 1 to 2 qts, per acre in 5 to 10 gals, of water.	15	
	SPECIFIC DIRECTIONS: Do not apply when substantial numbers of weeds in the orchard are in bloom. Do not apply during the bloom processes to be a second or and the second or are in bloom.			
	Mites (except Rust mites)	GROUND: ½ to 1 pt. per 100 gals. of water. Apply as a thorough coverage spray.	15	
	substantial number	TIONS: Do not apply when ars of weeds in the orchard not apply during the bloom	(grove)	
	Scales (except Black or Snow)	GROUND: 1 to 1½ pts. per 100 gais. of water. Apply as a thorough coverage spray.	45	
(Continued)	substantial numbe	TIONS: Do not apply when ers of weeds in the orchard not apply during bloom peri	(grove)	

Crop	Pest Controlled	Rate	PHI (Days)
(Continued) Grapefruit, Lemons, Oranges,	Thrips	GROUND: ½ to 1 pt. per 100 gals. of water. AIR: 1 to 2 qts. per acre in 5 to 10 galse of water.	15
Tangerin es	substantial number	FIONS: Do not apply when ers of weeds in the orchard not apply during bloom per	(grove)
	Whiteflies	GROUND: 1 pt. per 100 gals. of water. Apply as a thorough coverage spray.	15
	substantial number are in bloom. Do use on citrus seed	TIONS: Do not apply where so of weeds in the orchard not apply during bloom per dlings. Make no more than ature fruit. Do not graze live	(grove) iod. Do not 2

NUT CROPS

Crop	Pest Controlled	Rate	PHI (Days)		
Pecans	Aphids, Mites, Leafhoppers	芬 pt.	21		
	SPECIFIC DIRECTIONS: Do not graze livestock in treated groves.				

VEGETABLE CROPS

Crop	Pest Controlled	Rate per Acre	PH! (Days)	
Beans (dry, green, lima, snap)	Aphids, Bean leaf beetles, Grasshoppers, Leafhoppers, Leafminers, Lygus bugs, Mexican bean beetles, Mites	½ to 1 pt.	0	
	This pesticide is h	TIONS: Do not feed treate ighly toxic to bees. Do not he areas to be treated whe m.	apply if	
Broccoli, Cauliflower	Aphids	1/₂ to 1 pt.	7	
Brussels Sprouts	Aphids	1 to 2 pts.	10	
(CA Only)	gals. of water per graze livestock in	TIONS: Apply in a minimum acre ground equipment. Do treated fields. Do not apply applications per growing sea	o not by air.	
Cabbage	Aphids	1∕2 to 1 pt.	3	
Celery (FL)	Leafminers	1 pt.	7	
Collards, Endive (escarole), Kale, Leaf lettuce, Mustard greens, Spinach, Swiss chard, Turnip (greens, roots)	Aphids, Leafhoppers, Leafminers	½ pt.	14	
Head Lettuce	Aphids, Leafhoppers, Leafminers	1⁄2 pt.	7	
Lentils	Aphids	⅓ to 1 pt.	14	
	SPECIFIC DIRECTIONS: Do not feed or graze trea plants. Do not make more than two applications per season.			
	Lygus	1 pt.	14	
(Continued)		TIONS: Do not feed or graz se more than two application		

VEGETABLE CROPS (Continued)

Crop	Pest Controlled	Rate per Acre	PHI (Days)	
Lupine	Aphids, Lygus bugs	1/2 to 1 pt.	0	
	SPECIFIC DIRECTIONS: Apply when Aphids first appear. Make only 2 applications per season. Do not feed or graze forage or hay. This pesticide is highly toxic to bees. Do not apply if bees are visiting the area to be treated when crop or weeds are in bloom.			
Melons (except watermelons)	Aphids, Leafhop- pers, 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 not feed or graze hay within 21 days after last application when a staionary viner is used. Do not feed or graze when a mobile viner is used. Do not make more than 1 application pe growing season.			
Peppers	Aphids, Leaf- miners, Maggots	1½ to ⅔ pt.	0	
Potatoes	Aphids, Grasshoppers, Leafhoppers, Leafminers	1/2 to 3/3 pt.		
Tomatoes	Aphids, Leafhop- pers, Leafminers	½ to 1 pt.	7	
Watermelons	Aphids, Leafhop- pers, Leafminers	1∕₂ to 2 pts.	3	

FIELD CROPS

Сгор	Pest Controlled	Rate per Acre	PHI (Days)	
Alfalfa	Aphids, Grass- hoppers, Leaf- hoppers, Plant bugs (including Lygus), reduction of Alfalfa weevil larvae	½ to 1 pt.	10	
	SPECIFIC DIRECTIONS: Make only one application per cutting. 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 crop or weeds are in bloom.			
Cotton (Grown in CA and AZ)	Fleahoppers, Leafhoppers, Plant bugs including Lygus	½ to 1 pt.	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. Do not feed treated forage or graze livestock on treated fields.			
Cotton	Aphids, Fleahoppers, Mites, Thrips	14 to 1/2 pt.	14	
	Plant bugs including Lygus	½ pt.		
	SPECIFIC DIRECTIONS: Repeat applications should not be made at intervals closer than 14 days. Do not feed treated forage or graze livestock on treated fields.			

Crop	Pest Controlled	Rate per Acre	PHI (Days)	
Field Com	Aphids, Banks grass	3.to 1 bt.	14	
	mites (except Trans Pecos area of TX),	Aerial Application: See "Specific Directions"		
	Bean beetles, *Com	Occ Opcome Directions		
	rootworm adults, Two- spotted spider mites		•••	
		S: Apply as necessary. Mak	e no	
	more than three (3) app	lications per•yeer. Ďe not fe	ed or	
		last application. Do not app thed period. Aerial Application		
	Spray over the foliage v	rhen Mites appear. Apply at		
	rates in 1 or more gals. *Not registered in CA.	or water epracte.		
	Grasshoppers	1 pt.	14	
	ODEOLEIO DIDEOTIONE	See "Specific Directions"	·	
	pollen-shed period. Gro	S: Do not apply to Corn dur und Application: Apply ab	ove rate	
	in 20 to 40 gals, of water	er per acre. Aeriai Applicat	ion:	
Safflower	Apply above rate in 2 or Aphids, Leafhoppers,	more gais, of water.	14	
(Grown in	Plant bugs including	<i>π</i> 2 το τ ρτ.	,	
CA and AZ)				
		S: Repeat applications shou than 14 days. Make only 2		
	applications per season	at the higher rate.		
Sorghum	Aphids (green bugs)	1½ to 1 pt.	28	
(milo)		See "Specific Directions"		
		S: Do not feed or graze (million, Make no more than 3 a		
	tions as needed per sea	ison. Do not apply after hea	ding. Do	
		len-shed period. Ground Ap e in 25 to 40 gals, of water		
		ply above rate in 1 or more		
	water per acre.			
	Banks grass mites (excluding Trans Pecos	1 pt. See "Specific Directions"	-	
	area of TX), Spider			
	mites			
	SPECIFIC DIRECTIONS: Do not apply during the pollen- shed period. Ground Application: Apply above rate in 25 to			
	40 gals, of water per acrate in 1 or more gals.	re. Aerial Application: App	ily above	
	Grasshoppers	1 pt.		
		See "Specific Directions"		
		S: Do not apply during the p		
		oplication: Apply above rat re. Aerial Application: App		
	rate in 1 or more gals. o	f water per acre.		
	Sorghum midge	¾ to ½ pt. See "Specific Directions"	-	
٠	SPECIFIC DIRECTIONS	6: Do not apply during the p	ollen-	
	shed period. Aerial App	Ilcation: Apply above rates	in 1 or	
Soybeans	more gals, of water per Bean leaf beetles,	acre.	21	
Soybeans	Leafhoppers, Mexican	See "Specific Directions"	21	
	bean beetles, Spider			
	mites, *Three-cornered alfalfa hoppers			
		: Do not feed or graze with		
		I Application: Apply recompals, of water per acre. "Not		
	registered in CA.	gala. Of water per acre. 110		
	Grasshoppers	1 pt.	21	
	SPECIFIC DIPLOTIONS	See "Specific Directions"	in Edere	
	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 p	er acre. Aerial Application		
Mheat	above rate in 1 or more Aphids (greenbugs)		35	
r vi i to di		½ to ¾ pt.		
	SPECIFIC DIRECTIONS: Do not make more than 2 applications per season. Do not apply within 14 days of grazing			
	immature plants.			
	Brown wheat mites	1½ to ¾ pt.	35	
		5: Do not make more than 2		
	cations per season. Do immature plants.	not apply within 14 days of	grazing	
	Grasshoppers	34 pt.	35	
		5: Do not make more than 2	appli-	
	cations per season. Do	not apply within 14 days of		
	immature plants.			

SEED CROPS

Crop	Pest Controlled	Rate per Acre	PHI (Days)	
Alfalfa	Aphids, Grasshop- pers, Leafhoppers, Lygus bugs, reduction of Alfalfa weevil larvae	⅓ to 1 pt.	10	
	SPECIFIC DIRECTIONS: Do not feed or graze livestock is 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	Aphids, Thrips	See "Specific Directions"	14	
(CA, AZ)	SPECIFIC DIRECTIONS: Foliar Spray: 1 pt. 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 qts. 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 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. Note: Consult your State Agricultural Experiment Station or State Agricultural Extension Service for proper timing of application.			

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by sto age 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 finante 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 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 9, 1999

Mr. Leonard Cole
Insecticide-Rodenticide Branch
Registration Division (7504C)
U.S. Environmental Protection Agency
1921 Jefferson Davis Hwy
Room 266A, Crystal Mall 2
Arlington, VA 22202

Re: Submission of Amended Label by Notification – DIMETHOATE 4 EC (EPA Reg. No. 19713-231)

Dear Mr. Cole,

Reference is made to the above.

We are submitting, herewith:

- 1. Completed EPA Form 8570-1
- 2. A copy of the label (231SP-0699) with some revisions made on page 2 under the heading 'Air Application'. The sentence 'Apply specified rate.....per acre' is deleted and replaced by 'Apply at least one gallon of finished spray per acre. Apply at least 5 gallons of finished spray per acre in CA.' The revisions are lined out and highlighted for your easy reference.
- 3. Certification Statement as per PR Notice 98-10.

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

Thank you.

Sincerely,

DREXEL CHEMICAL COMPANY

Lug G. Piworha

Luz G Piwonka

Registration Manager