: Reg # 59639-33

PM-14

File 178

United States Environmental Protection Agency Washington, D.C. 20460

OCT 19 1993

Office of Prevention, Pesticides and Toxic Substances

Mark Herbst VALENT U.S.A. CORP 1333 N. CALIFORNIA BLVD BOX 8025 WALNUT CREEK CA 94596

Subject: Label Amendment Submission of 06/21/93

in Compliance with WPS Labeling Requirements

EPA Reg No. 59639-33

ORTHENE 90 S

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is accepted subject to the comments listed below.

Based on your certification, the Agency has accepted only those changes to your labeling which are necessary to comply with PR Notices 93-7 and 93-11, which reflect the WPS labeling requirements of 40 CFR part 156, subpart K. Any other labeling changes submitted in connection with this amendment application and not directly related to compliance with PR Notice 93-7 or 93-11 have neither been reviewed nor accepted by the Agency. If you wish to make any such changes, you must submit a separate amendment application proposing them. If your product registration is currently suspended, acceptance of this labeling amendment does not affect the suspension in any way.

A copy of your proposed labeling stamped "Accepted with comments" is attached. Make any required changes described in the attached and send three copies of final labeling as soon as it is available to:

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Office of Pesticide Programs (H-7504C) U.S. Environmental Protection Agency 401 M Street SW Washington, DC 20460-0001

Hand or courier deliveries of final labels may be made to:

Document Processing Desk (FIN-LABEL) Room 266A Crystal Mall 2 1921 Jefferson Davis Highway Arlington, VA 22202

Please correct the typographical errors circled on the draft before printing final labeling.

In your final labeling the "Agricultural Use Requirements" text must be contained in a clearly separate box. This box may be set apart by a line, by another graphical device, by a different color background, or in any other way that clearly distinguishes it from surrounding text.

James Tompkins, Deputy Chief Registration Support Branch Registration Dibision (7505W) Admin: 59639-33

Analyst comments:

Separate mixer/loader PPE not necessary.



# ORTHENE® 90 S (INSECTICIDE)

Active Ingredient

\*Acephate (O,S-Dimethyl poetylphosphoromidathioate)

inert Ingredients

\*ORTHENEB, Acephate U.S. Pat. No. 3,914,417

CAUTION
SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Formulation for Eggs/DEADHATCH®

THIS PRODUCT MAY NOT BE REFORMULATED, REPACKAGED OR RELABELED.

# **NET WEIGHT 20 POUNDS**

Manufactured for Valent U.S.A. Corporation © 1992 Walnut Creek CA 94596-8025 Made in U.S.A. R Form 256-J EPA Reg. No. 59639-33-AA

ACCEPTED
with COMMENTS
In EPA Letter Dated

Under the Federal Insecticide, Fundicide, and Rodenticide Act as ancesded, for the pesticide registered under EPA Reg. No.

59639-33

### PRECAUTIONARY STATEMENTS

# HAZARDS TO HUMANS & DOMESTIC ANIMALS

Harmful II awallowed. Causes eye irritation. Avoid contact with eyes, sidn and clothing. Avoid breathing dust or spray mist. Wash hands thoroughly after handling.

STATEMENT OF PRACTICAL TREATMENT: Acephate is an organophosphote, cholinesterase inhibitor.

If evaluated:

Drink 1 to 2 gleaves of water (or milk) and induce vomiting by touching the back of the throat with finger. If possible contact a physician, Poison Control Center, or emergency center before inducing vomiting. Do not induce vomiting or give enything by mouth to an unconscious person. Take person and product container to the

If in eyes:

nearest emergency treatment center. Wash eyes with fresh water for 15 minutes. If infation continues, see a doctor.

If on elde:

Weeh side with planty of scap and water.

H inheled:

Remove person from exposure area

Note to physiciens:

Emergency Information - call 1-800-802-0000. Acephate is a choliness If signs of cholinesterace inhibitor appear, stropine is antidotal. 2-PAM may also be

used in conjunction with stropine but should not be used alone.

Personal Protection Equipment (PPE):
Applicators and other handlers must weet: long-eleeved shirt and long pants, waterproof gloves, shoes

plus socks and chemical-resistant headgest for overhead exposure. Mixers and Loaders must wear: long-slesved shirt and long parts, waterproof gloves, shoes plus socks

and chemical-resistant heedgear.

Discard clothing and other absorbers materials that have been drenched or heavily conteminated 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.

### USER SAFETY RECOMMENDATIONS:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toles.

  Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean cicthing.
- 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 posticide is toxic to birds. Applications may adversely effect birds in rangeland treatment areas. For terrestrial uses, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Cover or soll-incorporate splits.

This product is highly tasic 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

### **DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. READ ENTIRE LABEL, USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

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 arms, forests, nurseries, and greenhouses, and handlers of agricultural posticides. It conti requirements for training, deconterwination, notification, and emergency sesistance. It also contains apacific instructions and exceptions pertaining to the statements on this label about personal protective equipment, PPE), and restricted-entry intervel. 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 24 hours.

PPE 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: Coveralle, weterproof gloves, shoes plus socia and chemical-resistant headgear for overhead



CHOPS	mesecrs	AMOUNT ORTHENE FO S PER ACRE	ACRES PER LA. ORTHENE PO S	PURTHER USE INSTRUCTIONS"	
	Thriba	3.2 ex.	1 lb. to 5 ecres	Apply in water at 1 to 3 gais	21
Cotton	Plant buts	0.25 to 1 to.	1 6. 70 4 20704	(AZ 3 to 5 gols / serey per ecre	
1	(Lymus)		UP to	I by air Galianege snaula be in-	
ł	(10,000)	1	I to to I awa	Credited as Blant size incredies	
1	! !	CA, AZ ONLY	CA AZ ONLY	to insure thorough coverage. (In CA agery a minimum of 5 gets	
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ļ	!!	,	1 lb. to 1 are	Apply when eggs or meets first	
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	Finahapaur	V.23 No.		Prountein control.	
ł	1 1	1		Lygus - Use higher roles for	1
	1			lyous adults that have marged !	
Į.	1 1		1	into cotton,	
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Į	Cetten Aphid	0.5 to 1 to .	1 %. to 2 erres	Apply in water at 3 to 10 gale	
Ĭ	Whitefly		1 % 10 1 000	saray per acre by air (minimum	•
Į.	l l		1 9. 10 1 669		1
1	A		I lb. to I save	3 maks, per care in CA, AZ) or 10 to 35 maks, merey per pere by ground, Apply when cape or in- sects first expect. Report as	
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l .	Cobbago Lasper		l <u></u>	1	
ſ	1	E OF BOCKIES	E. OF ROCKIES	Apply in water of 3 to 10 mals.	
1	Talance	0.5 to 1 B.	I ib. to 2 atrus	Martery Seaf derro but also (minimum.)	
1	Bushwarm	A-0-44 ( MP		1.5 tents, they make in CA 121 and	1
	1	CA. AZ ONLY	ue to I ile. se i acre	[ 10 to 25 data, seren per cere by ]	
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	Adults	, . <del></del> .	CA, AZ ONLY	Bellyon - Belyon Jarres:	
1	1	1	I lb. to I stre	Early sesson light infestation see 1 lb, to 2 acres, Mid and	1
	1			use 1 lb. to 2 ecres. Mid and	
1	1			infestations use I b. to I acre.	
l .	)			infestations use 1 b. to 1 pare.	1
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1				Admiry when opps appear and repeat at a 3 to 7 day interval.	
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	1			came in direct senses with spray	
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	1			Chalkanes is made into in the	
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l .	Eggs/ DEADHATCHE	0.25 to 0.5 tb.	I Ib. to 4 ecres	Bollwarm Budwerm Eggs	
1	DEADHATCHE	J	up to 1 Br. to 2 serve	When spray particles come in direct content with ages, hatching larves may be controlled as they	
	1		1 Riv to 2 eares	and could am all the	
Į.	1		l .	man well no consumer or speak	į
i		!	•	consume and among from their ope champ. For DEADMATCH (contact oricidal activity) and level control, apply ORTHENE 90 3 in combination with inactivities (including synthetic protection (including synthetic protection) in the following label activity and control or	ŀ
1	1	1	l	Contract and the INCAMINATION	
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Ι.				cotton of their respectmended	1
1	1	}	}	section) registered for see on colon of their resentational larvicided label rates.	• •
1	Pink Balbwarm	18.	I lb. to I care	Pick Belluces - A-14	J
1	(CA, AZ)	` <b>~</b>	1	invests expect and faquet at a	1
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ì	Stinkhome	0.6 %	1 to 1.25 person	C	1
1	Culturalities	[ Waster	. 4. 7. 12. 40.00	are most effective visus grand againstions are made in the evenings and the spray is directed	
1		1	1	entiretiers are made in the	1
1		1		evenings and the surey is directed	J
1	ì	ì '	Ì	toward the leaver portion and	1
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1	•	<b>[</b>		wyler of 3 to 10 gals, surely per ocre (minimum 5 gals, per ocre in CA, A2), Again when insects forth against order owners in the first research and report an necessary to recomment.	J
1	1	<b>,</b>	}	to meintein central	· .
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<sup>\*</sup> Where a rate range is given, use the higher rate where heavy ment pressure exiliar. Do not food on which to irrestock or allow muscule to mean an transact drams.

## COTTON TANK MIXES

_		CO1	TON TANK MIXES		
	Commo College (CA, AZ)	Invests  Armyonama, Bellaupra, Cathogo Leosor, Catton Aghid, Cartwane, Hochapper, Gréchiespors, Pink Bellvorm, Plant Buga (Lygus, Mirida), Seh Mannh Cateraliter, Tiripe, Tobasso Budwarm, Whitefly	AMOUNT ORTHENE 50 8 + LOSSBAND 4E Per Amo 4.44 sc, to 17.77 sc. 1 to 2 pts.	Further Use Instructions Do not food gon trash or treated ferage to invested, Do not allowheated, so grace on treated grads.	Dorn so Herveo! 21

CEOPS	INSECTS	AMOUNT DETHENE 90 S (os.) **SYNTHETIC PYRETHEOLD (fi. ast.) PER ACRE	MAXIMUM LBS. ACTIVE PER SEASON	FUETHER USE INSTRUCTIONS	DATS TO HARVEST FOR EACH COMBINATIO
zetten	Ballwarm	ORTHENE 90 S		Bogin Gaglicarions	
	Tebacca Budyrarm	1 No. to 2 agree up to	i	lwhen eggs or in-	
	Cubbogs	PYDRING 2.4 EC. 5.3 - 10.47	2.0	CORRY OF ARREST IS	21
	Flore bytes	ASANAD 1,9 EC. 1,4 - 3.4*	ده	l <del>Impiritorit cuntrol.</del> ' I Amply in 3 to 5'	21
	Thrips	•		pois. of mater with	41
	Floohagpers Plook	ASANA@ XL 3.7 - 7.4*	0.5	oorial samement or in 10 to 25 ans.	21
	Sellwerm	CAPTURED 2 EC. 1.3 - 6.4	0.5	of water with	21
	(CA.AZ)			ground sevienien	-
	Aphids   Whitefly	* BAYTHEOID® 2 EC. 1.6 ~ 3.2	0 87	Do not feed gin	21
	Cotton Loof	EARATES   E. 3.2 - 5.12	0.2	Olion Sullability	21
	Feriorator	(Except CA) or		grese em treotec	
	· Feli Armywerm Curwerms	AMBUSH® 2 EC. 6 4 - 12.8	30	Orens Sainthines and	21
	Stockburgs	POUNCE® 3.2 EC. 7 - 8*	30	Correction:	21
	Sweet Pateto			Use ORTHENE at 1	-
	Whitefiy	AMMO⊕ 2.5 EC, 2 — 5°	10	No to 1 25 more; All manifemble di	21
		CYMBUSH® 3 EC. 1.7 - 2.54°	1.0	recreens, restrictions	21
		•		and precountions an	=-
		SCOUT@ 0.3 EC. 6.4 II	0.19	the EPA registered	28
		(Except CA) or SCOUTO X-TRA, 2.13 — 3.23	0.19	labels are to be	28

\* Use law race andy for light ideast indestorate.
\*\* Transporte measured phends he must within the

\*\* Synthetic prioritroids should be used within the guidelines of state and/or regional resistance enaperator and resummendations.

BEST AVAILABLE COPY

# COTTON SEED HOPPER BOX TREATMENT (EXCEPT AZ, CA AND THE BLACK LANDS OF TEXAS)

Cra	Thrips Cotton Ashids Black (Green) Cutworm	ORNEHE 90 8 For Acre 2.5 to 3.25 cs.	Purther Use Instructions  Apply 2.5 to 3.25 as. ORTHERE 90 5 per acro in the planter has as a dry powder, Evan average is required for acceptable insect central. To about even coverage, fill planter has 1/2 full of seed, add the preper amount of CRTHERE 90 5 and mix therepubly with a stick. Add the remainder of the seed to the planter has and the additional required amount of ORTHERE 90 5 followed by thorough mixing. For improved mixing, premix seed with ORTHERE 90 5 in

### COTTON IN-FURROW APPLICATION

CROP	INSECTS	AMOUNT ORTHENE 90 S PER ACRE	ACRES PER LB. ORTHENE 90 S	FUNTHER USE INSTRUCTIONS
Cotton	Aphids Thrips Block (Gregay) Cutworm	0.56 to 1.1 lbs. (.5 to 1 lb. active)	1 lb. to 1.8 up to 1 lb. to .9 ecres	Refer to the ORTHENE 90 S conversion chart before making product application.  ORTHENE 90 S CONVERSION CHART LBS.  OZ.  LB. ACTIVE ORTHENE 90 S ORTHENE 90 S 0.5 9.0  0.4 0.67 10.7  0.75 0.83 13.3  0.9 1.0 16.0  1.0 1.1 15.6  Apply 0.56 to 1.1 lbs. ORTHENE 90 S in 3 to 5 pols. of water per care as an in-furrow spray.  NOTE: Fer the Blacklands of Taxes use only the 1.1  Ibs. ORTHENE 90 S can be mixed with fungicides that are served in-furrow for disease control.  Flori-floring nozzles used for in-furrow application should be set so that the found spray pottern is oligated with the row to insure good spray deposition in the seed furrow, and should be avoided. Spray systems that employ metal or plastic tubing for delivery of spray solution into the seed furrow aposition into the seed furrow aposited to the furrow aposited have tubing securely fastened to the furrow apositer tubing securely fastened to the furrow aposite tubing is properly positioned to deposit spray solution into the seed furrow aposition into the seed furrow.

Do not apply under conditions involving possible drift to food, forage or other plantings that might be domaged or the crops thereof rendered unfit for sale, use ar consumption.

NOTE: This product is sold by weight and package is full when packed, but due to fluffy nature this material is inclined to settle.

### STORAGE AND DISPOSAL

PROMISITIONS
Do not consuminate water, feed or feed by storage, disposal or cleaning of equipment.
Open dumping is prohibited,
STORAGE
Keep posticide in original container.
Do not put concentrate or dilute imp feed or drink containers.
Store in coal, dry place, Protect from excessive heat.
De not conseminate feed or foodburfs.
De not store or transport near feed or food.
For help with any selfs, leek, fire or expessive implying this material, call day or night 1-800-872-0099 or Chemirac 1-800-674-9300.
PESTICIDE DISPOSAL
Wester receiving from the use of this preduct may be diseased of an site or or an expersed waste diseased facility.
CONTAINER DISPOSAL
Completely empty beg into application stulpment. De set reuse container.
Dispose of empty hose into expelication stulpment. De set reuse container.
Dispose of empty hose in a sentery lendfill or by incineration, or, if allowed by State and local extherities, by burning.
If burned, stay out of article.



IMPORTANT INFORMATION. READ BEFORE USING PRODUCT.

LIMITED WARRANTY: 1. Volent U.S.A. Corporation warrants that this product conforms to the chemical description on the label and is reasonably fit for use under average conditions when used strictly in accordance with the directions on the labeling. Volent does not make nor outhorizes any agent or representative to make, any other werranty, guarantee or representation, express or implied, concerning this product. Specifically, NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE IS MADE.

2. Critical and unforeseeable factors beyond Valent's control prevent it from eliminating all risks in connection with the use of this product. Such risks include, but are not limited to, damage to plants and crops to which product is applied, lack of complete control over the handling and application of this product, and damage coused by drift to other plants or crops. Such risks accur even though the product is reasonably fit under everage conditions for the use stated on the labeling and even though the product is reasonably fit under everage conditions for the use stated on the labeling and even though the product is reasonably fit under average conditions for the use stated on the labeling and even though the product is reasonably fit under average conditions for the use stated on the labeling should be followed to avoid hazardous exposure to the product.

3. Precautions stated on the labeling should be followed to avoid hazardous exposure to the product.

AMBUSH® - Reg. TM of ICI Agricultural Products for permethrin insecticide. AMMO® - Reg. TM of FMC Agri Chemical Group for cypermethrin insecticide. ASANA® — Reg. TM of E. I. duPont de Nemours & Co., Inc. for esfenvalerate insecticide." BAYTHROID® - Reg. TM of Mobay Corp. for cyfluthrin synthetic pyrethroid. CAPTURES - Reg. TM of FMC Agri Chemical Group for bifenthrin insecticide miticide. CYMBUSH® - Reg. TM of ICI Agricultural Products for cypermethrin insecticide. KARATEO - Reg. TM of ICI Agrochemicals Co. U.K. for lambdacyholothrin insecticide. LORSBANS - Reg TM of Dow Chemical Company for chlorpyrifos insecticide. ORTHENE® — Reg. TM of Chevron Chemical Company for acephate insecticide. POUNCE® - Reg. TM of FMC Agri Chemical Group for permethrin insecticide. PYDRING - Reg. TM of E. 1. duPont de Nemours & Co., înc. for fenvalerate insecticide, SCOUTO - Reg. TM of Hoechst-Roussel Agri-Vet Co. for tralomethrin pyrethroid insecticide.

