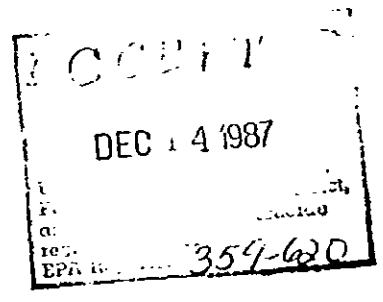


Age 1/1

ZOLONE® EC Insecticide



FOR AGRICULTURAL OR COMMERCIAL USE ONLY

ACTIVE INGREDIENT

Phosalone [O,O-diethyl S-[(6-chloro-2-oxo benzoxazolin-3-yl)methyl]phosphorodithioate]	34.4%
INERT INGREDIENT	65.6%

This product contains 3 pounds of phosalone per gallon

EPA Reg. No. 359-620

EPA Est. No. \_\_\_\_\_

KEEP OUT OF REACH OF CHILDREN

WARNING                      AVISO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que le etiqueta haya sido explicado ampliamente.

FOR ADDITIONAL PRECAUTIONARY STATEMENTS: See Inside Booklet

For PRODUCT USE Information Call 1-800-334-9745.

For EMERGENCY Information ONLY Call 24 Hours A Day 1-800-334-7577.

Manufactured for:

RHONE-POULENC AG COMPANY  
P.O. Office Box 12014, 2 T.W. Alexander Drive  
Research Triangle Park, North Carolina 27709

ZOLONE is a registered trademark of RHONE-POULENC INC

PRECAUTIONARY STATEMENTS

WARNING

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

May be fatal if swallowed. Harmful if absorbed through skin or inhaled. Causes eye irritation. May cause allergic skin reactions. Do not get in eyes, on skin or on clothing. Wear protective clothing, natural rubber gloves, and goggles. Do not breathe fumes or spray mist. Wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety under the provisions of 30 CFR Part II.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 to 2 glasses of water and induce vomiting by touching finger to back of throat. Do not give anything by mouth or induce vomiting to an unconscious or convulsing person. Get medical attention.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF IN EYES: Flush with water for 15 minutes. Get medical attention.

NOTE TO PHYSICIAN

Causes cholinesterase inhibition. Atropine by injection is antidotal only if symptoms of cholinesterase inhibition are present. 2-PAM is also antidotal and may be administered in conjunction with atropine. Warning symptoms include weakness, headache, tightness in the chest, blurred vision, nonreactive pin-point pupils, salivation, sweating, nausea, vomiting, diarrhea, and abdominal cramps.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, shrimp, crabs, and other wildlife. Do not apply directly to lakes, streams or ponds. Do not apply where run off is likely to occur. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply when weather conditions favor drift from areas treated.

This product is toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product if bees are visiting the treatment area.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

GENERAL WORKER PROTECTION STATEMENT

Reentry into treated fields is prohibited with 24 hours of application. State or local use and reentry regulations may be more restrictive than those stated on this label.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried.

Do not enter treated areas for 24 hours unless appropriate protective clothing is worn.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

GENERAL INFORMATION

SPECIAL NOTES: Do not allow livestock to graze cover crops in orchards or nut groves treated with ZOLONE® EC; do not feed cover crops treated with ZOLONE® EC to livestock. Apply this product only as specified on this label.

Do not apply ZOLONE® EC through any type of irrigation system.

ZOLONE® EC is an emulsifiable concentrate intended for application as a water mix spray. This product is suitable for use in all power operated ground sprayers, including concentrate sprayers and by aircraft. Keep spray mix agitated when spraying. For application as a dilute spray to all crops, mix the amount shown per 100 gallons in sufficient water to allow for spray to wet. For concentrate sprays, mix the amount shown per acre in sufficient water to obtain adequate coverage. The use of surfactants (wetting agents) with ZOLONE® EC is not recommended. Crop injury resulting from adverse environmental conditions may be aggravated by the use of this product. Local conditions may effect the use of ZOLONE® EC Insecticide. Consult State Agricultural Extension or Experiment Station specialists for specific recommendations, consistent with label, and proper timing of treatments for local pest problems.

ORCHARD AND VINEYARD CROPS:

CROP	PEST	DILUTE PINTS/100 GAL.	CONCENTRATE PINTS/ACRE	SPECIAL INSTRUCTIONS
APPLES and PEARS	Apple aphid	2/3 to 1 1/3	2 2/3 to 5 1/3	Use minimum recommended rate for severe infestations. For severe infestations, use recommended rates. For dilute sprays, use recommended amount per 100 gallons of water. For concentrate sprays, use recommended dosage per acre by ground equipment. Apply sufficient water for thorough coverage. Repeat application if necessary. Do not use more than 21 1/3 pints per acre. Do not apply within 14 days of harvest.
	Rosy apple aphid			
	Woolly apple aphid			
	Codling moth			
	Green fruitworm	1	4	
	European red mite*	1 to 2 2/3	4 to 10 2/3	
	Fruittree leafroller**			
Obliquebanded leafroller***				
Redbanded leafroller	1 1/3 to 2 2/3	5 1/3 to 10 2/3		
Plum curculio				
APPLES	Apple Maggot	1 1/2 to 2 2/3	5 1/2 to 10 2/3	*Suppression
	Apple rust mite****			**Use on this pest, not registered in some areas.
	European apple sawfly**			***Except phosphate resistant varieties, not registered in some areas.
PEARS	Pear psylla	2	8	****Control when used in a spray.
GRAPES	Grape phylloxera*	1 1/3 to 2	2 2/3 to 4	Use minimum recommended rate for severe infestations. For severe infestations, use recommended rates. For dilute sprays, use recommended amount per 100 gallons of water and spray thoroughly. For concentrate sprays, apply recommended dosage per acre by ground equipment in sufficient coverage. Repeat application if necessary. Do not use more than 21 1/3 pints per acre. Do not apply within 14 days of harvest. Do not use concentrate sprays on grapes for packing or canning.
	Grape berry moth	2 to 4	4 to 6	
	Grape leafhopper	2 to 4	4 to 8	
	Potato leafhopper			
	Variegated leafhopper	2 2/3 to 5 1/3	5 1/3 to 10 2/3	
	European red mite**			
	Pacific spider mite**			
Omnivorous leafroller***				

\*Foliar form  
 \*\*Suppression  
 \*\*\*Use ground equipment and

ORCHARD AND VINEYARD CROPS (CONT.):

CROP	PEST	DILUTE PINTS/100 GAL.	CONCENTRATE PINTS/ACRE	SPECIAL INSTRUCTIONS	
ALMONDS	Pacific spider mite*	1 1/3	5 1/3 to 8	Use minimum recommended rate for low to moderate infestations. For severe infestations, use higher rates. For dilute sprays, mix recommended amount in 100 gallons of water and spray to wet. For concentrate sprays, apply recommended dosage per acre by ground equipment in sufficient water for thorough coverage. Apply a minimum of 5 1/3 pints per acre per application. Do not apply more than 1 application during the fruiting season. Do not apply more than 16 pints per acre per season, of which no more than 8 pints should be applied when fruit is present. Do not apply within 60 days of harvest.	
	Peach twig borer				
	Brown mite*	1 1/3 to 2			
	European red mite*				
ENGLISH WALNUTS	Walnut aphid	2/3 to 1 1/3	2 to 4	Use minimum recommended rate for low to moderate infestations. For severe infestations, use higher rates. For dilute sprays, mix recommended amount in 100 gallons of water and spray to wet. For concentrate sprays, apply recommended dosage per acre by ground equipment in sufficient water for thorough coverage. Apply in a seasonal program as required, but do not apply more than 53 1/3 pints per acre per season. Apply a minimum of 2 2/3 pints per acre when used in air blast sprayers. Do not apply after the husks split.	
	Dusky winged aphid*				
	Walnut husk fly**	1 1/3 to 2	6		
	European red mite***				
	Codling moth	1 1/2 to 2	6 to 8		
FILBERTS*	Filbert aphid	1 to 1/2	4 to 8	Use minimum recommended rates for low to moderate infestations. For severe infestations, use higher rates. For dilute sprays, mix recommended amount in 100 gallons of water and spray to wet. For concentrate sprays, apply recommended dosage per acre by ground equipment in sufficient water for thorough coverage. Apply a minimum of 4 pints per acre per application. Do not apply within 30 days of harvest.	
	Filbert leafroller				
	Filbertworm				

\*Suppression

\*Use on this pest, not registered in California.  
 \*\* Apply before larval feeding causes the husks to darken or shortly after oviposition.  
 \*\*\*Suppression

\*Recommendations limited to Oregon and Washington only.

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ORCHARD AND VINEYARD CROPS (CONT.):

CROP	PEST	DILUTE PINTS/100 GAL.	CONCENTRATE PINTS/ACRE	SPECIAL INSTRUCTIONS
PECANS	Pecan aphid ( <i>Monellia</i> sp.)	1 1/3	3 to 5	Use minimum recommended rates for low to moderate infestations. For severe infestations, use higher rates. For dilute sprays, apply specified dosage per acre by air or ground equipment in sufficient water for thorough coverage (normally 5-15 gallons per acre by air; 200-400 gallons per acre by ground). Apply in a seasonal program as required, but do not apply more than 53 1/3 pints per acre per season. Do not apply after shucks split.  NOTE: With aerial application control may be reduced due to poorer coverage. Do not tank mix this product with disulfoton.  *Suppression
	Black pecan aphid			
	Hickory shuckworm			
	Pecan nut casebearer			
	Pecan phylloxera*			
	Pecan spittlebug Pecan weevil*			
PLUMS/ PRUNES, APRICOTS, PEACHES and NECTARINES	Hop aphid	2/3 to 1 1/3	2 2/3 to 5 1/3	Use minimum recommended rates for low to moderate infestations. For severe infestations, use higher rates. For dilute sprays, mix recommended amount in 100 gallons of water and spray to wet. For concentrate sprays, apply recommended dosage per acre by ground equipment in sufficient water for thorough coverage. Apply in a seasonal program as required, but do not apply more than 53 1/3 pints per acre per season. Do not apply within 7 days of harvest.  *Suppression
	Leafcurl plum aphid			
	Thistle aphid			
	Peach twig borer	1 1/3	5 1/3	
	Brown mite* European red mite*	2 to 2 2/3	8 to 10 2/3	
Plum curculio	1 1/3 to 2 2/3	5 1/3 to 10 2/3		
PEACHES and NECTARINES, APRICOTS	Oriental fruitmoth	1 1/3	5 1/3	*Suppression **Use on this pest, not registered in California.
PEACHES and NECTARINES	Green fruitworm**	1 to 1 1/3	4 to 6	
CHERRIES	Fruittree leafroller	1 to 2 2/3	8 to 21 1/3	Use minimum recommended rates for low to moderate infestations. For severe infestations, use higher rates. For dilute sprays, mix recommended amount in 100 gallons of water and spray to wet. For concentrate sprays, apply recommended dosage per acre by ground equipment in sufficient water for thorough coverage. Apply in a seasonal program as required, but do not apply more than 53 1/3 pints per acre per season. Do not apply within 7 days of harvest.  Use on this pest, not registered in California.
	Cherry fruit fly	1 1/3	10 2/3	
	Black cherry aphid*			
	Eye-spotted bud moth*	1 to 1 1/3	4 to 6	
	Mineola moth* Plum curculio*			

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ORCHARD AND VINEYARD CROPS (CONT.):

CROP	PEST	DILUTE PINTS/100 GAL.	CONCENTRATE PINTS/ACRE	SPECIAL INSTRUCTIONS
CITRUS (Oranges, Lemons, and Grapefruit)	Orangedog	2/3	4 to 8	Use minimum recommended rates for low to moderate infestations. For severe infestations, use higher rates. For dilute sprays, mix recommended amount in 100 gallons of water and spray to wet. For concentrate sprays, apply recommended dosage per acre by ground equipment in sufficient water for thorough coverage. Do not make more than 1 application every 30 days, nor more than 2 applications per season. Do not apply more than 66 2/3 pints per acre per season. Do not apply within 14 days of harvest.
	Citrus red mite*	2/3 to 1	13 1/3 to 24	
	Citrus thrips		5 1/3 to 8	
	White fly	1 1/3	8 to 12	
				*Suppression, recommendations limited to California and Arizona.

VEGETABLES

CROP	PEST	DILUTE PINTS/ACRE	CONCENTRATE PINTS/ACRE	SPECIAL INSTRUCTIONS
ARTICHOKES	Chrysanthemum leafminer	5 1/3	-	Use minimum recommended rates for low to moderate infestations. For severe infestations, use higher rates. Apply specified dosage per acre by air or ground equipment in sufficient water for complete coverage (normally 5-10 gallons per acre by air, 50-100 gallons per acre by ground). Apply in a seasonal program as required, but do not apply more than 32 pints per acre per season. Do not apply within 7 days of harvest.
	Aphids			
	Plume moth	2 2/3 to 5 1/3	-	
POTATOES	CONTROL:			Use minimum recommended rates for low to moderate infestations. For severe infestations, use higher rates. Apply specified dosage per acre in sufficient water for complete coverage (normally 60-150 gallons per acre by ground; 5 gallons per acre by air). Apply in a seasonal program as required, but do not apply more than 53 1/3 pints per acre per season. Do not forage or feed potato vine to livestock. Do not use on sweet potatoes. Do not tank mix this product with disulfoton.
	Colorado potato beetle	1 1/3 to 4	1 1/3 to 4	
	European corn borer	2 2/3	2 2/3	
	SUPPRESSION:			
	Buckthorn aphid	1 1/3 to 4	1 1/3 to 4	
	Green peach aphid			
	Potato aphid			
	Potato leafhopper			
	Potato tubeworm			

ORNAMENTALS: This product is not for use in greenhouses.

CROP	PEST	DILUTE PINTS/100 GAL.	CONCENTRATE PINTS/ACRE	SPECIAL INSTRUCTIONS
ARBORVITAE	Spruce spider mite	1 1/3 to 2 2/3	-	Use minimum recommended rates for low to moderate infestations. For severe infestations, use higher rates. Apply specified dosage in sufficient water spray to wet. Apply when pest is present and repeat as necessary.
ROSES	Rose aphid	1 1/3 to 2 2/3	-	Use minimum recommended rates for low to moderate infestations. For severe infestations, use higher rates. Apply specified dosage in sufficient water spray to wet. Apply when pest is present and repeat as necessary. Slight injury to leaves may occur after the use of ZOLONE EC.