

264-439

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ZOLONE® EC Insecticide-Pending-1/11/88

RESTRICTED USE PESTICIDE

Due to Aquatic Toxicity and Avian Hazard

For retail sale to and use only by certified applicators or persons under their direct supervision and only for those uses covered by the certified applicator's certification.

ZOLONE® EC Insecticide

FOR AGRICULTURAL OR COMMERCIAL USE ONLY

ACTIVE INGREDIENT:

Phosalone [S-6-chloro-2,3-dihydro-2-oxobenzoxazol-3-yl methyl O,C-diethyl phosphorodithioate].....	34.4%
INERT INGREDIENT.....	65.6%

This product contains 3 pounds of phosalone per gallon.

EPA Reg. No. ~~359-620~~ 264-439

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN

WARNING

AVISO

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

FOR ADDITIONAL PRECAUTIONARY STATEMENTS: See Inside Booklet.

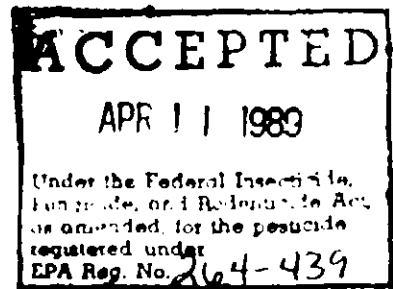
For PRODUCT USE Information Call 1-800-334-9745.

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

Net Contents:

Manufactured for:
Rhône-Poulenc Ag Company
P. O. Box 12014, 2 T. W. Alexander Drive
Research Triangle Park, North Carolina 27709

ZOLONE® is a registered trademark of Rhône-Poulenc Inc.



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

May be fatal if swallowed, inhaled or absorbed through the skin. Do not breathe vapors or spray mist. Causes eye irritation. May cause allergic skin reactions in some individuals. Do not get in eyes, on skin or on clothing. Wear protective clothing, chemical resistant gloves, and goggles. Avoid breathing fumes or spray mist.

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.

IF INHALED: Remove from contaminated atmosphere and call a physician.

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 pinpoint pupils, salivation, sweating, nausea, vomiting, diarrhea, and abdominal cramps.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Do not contaminate water by cleaning of equipment or disposal of wastes.

This pesticide is toxic to bees exposed to direct treatment. Do not apply this product if bees are actively 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 STATEMENTS

Reentry into treated fields and nut groves 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 for 24 hours after application unless the protective clothing specified is worn.

USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT DURING MIXING/LOADING, APPLICATION, REPAIR AND CLEANING OF MIXING, LOADING, AND APPLICATION EQUIPMENT, DISPOSAL OF THE PESTICIDE, AND EARLY REENTRY INTO

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TREATED AREAS: Protective suit of one or two pieces covering all parts of the body except head, hands, and feet; chemical resistant gloves; chemical resistant shoes, shoe covering, or boots, and goggles or face shield. Wear a chemical resistant hood or wide-brimmed hat during airblast application or when overhead exposure will occur.

IF MIXING/LOADING IS PERFORMED USING A CLOSED SYSTEM, THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT MAY BE WORN AS AN ALTERNATIVE: Long-sleeved shirt and long-legged pants; chemical resistant gloves; chemical resistant apron; shoes and socks. Goggles or face shield must be worn if the system is under pressure.

IF APPLICATION IS PERFORMED USING AN ENCLOSED CAB OR COCKPIT THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT MAY BE WORN AS AN ALTERNATIVE: Long-sleeved shirt and long-legged pants; shoes and socks. Chemical resistant gloves must be available in the cab or cockpit and must be worn when exiting. This clothing is inadequate to protect you during equipment repair or cleaning, reentry, or pesticide disposal work. During equipment repair or cleaning, reentry, or pesticide disposal work, full protective clothing must be worn.

IMPORTANT! If pesticide comes in contact with skin, wash off with soap and water. Always wash hands, face, and arms with soap and water before smoking, eating, drinking, or toileting.

AFTER WORK: Before removing gloves, wash them with soap and water. Take off all work clothes and shoes. Shower using soap and water. Wear clean clothes. Do not reuse contaminated clothing. Personal clothing worn during work must be laundered separately from household articles. Store protective clothing separately from personal clothing. Clean or launder protective clothing after each use. Clothing that becomes heavily contaminated or drenched must be destroyed according to state and local regulations. **HEAVILY CONTAMINATED OR DRENCHED CLOTHING CANNOT BE ADEQUATELY DECONTAMINATED**

DURING AERIAL APPLICATION, HUMAN FLAGGERS MUST BE IN TOTALLY ENCLOSED VEHICLE.

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 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.

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ORCHARD CROPS:

CROP	PESTS	DILUTE PINTS/ 100 GAL.	CONCEN- TRATE PINTS/ ACRE	SPECIAL INSTRUCTIONS
Almonds	Pacific spider mite*	1 1/3	5 1/3	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	1 1/3	to 8	
	Brown mite*	to		
	European red mite*	2		

*Suppression

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ORCHARD CROPS:

CROP	PESTS	DILUTE PINTS/ 100 GAL.	CONCENTRATE PINTS/ ACRE	SPECIAL INSTRUCTIONS
English Walnut	Walnut aphid	2/3	2	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*	10 1 1/3	10 4	
	Walnut husk fly**	1 1/3	6	
	European red mite***	10 2		
	Codling moth	1 1/2 10 2	6 10 8	
				*Use on this pest not registered in California.
				**Apply before larval feeding causes the husks to darken or shortly after oviposition.
				***Suppression
Filberts*	Filbert aphid	1	4	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	10	10	
	Filbertworm	1 1/2	8	
				*Recommendations limited to Oregon and Washington only.

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ORCHARD CROPS:

CROP	PESTS	DILUTE PINTS/ 100 GAL.	CONCEN- TRATE PINTS/ ACRE	SPECIAL INSTRUCTIONS
Pecans	Pecan aphid (Monellia sp.) Black pecan aphid Hickory shuckworm Pecan nut casebearer Pecan phylloxera* Pecan spittlebug Pecan weevil*	1 1/3 to 5	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

ORNAMENTALS: This product is not for use in greenhouses.

CROP	PESTS	DILUTE PINTS/ 100 GAL.	CONCEN- TRATE 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.

STORAGE AND DISPOSAL

STORAGE

Do not contaminate water, food or feed by storage or disposal. Do not use, pour, spill or store near heat or open flame. Do not store below 32°F.

PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL

Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and (c) that the directions, warning and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues on food crops and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.