

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Reg # 5481-412

PM-14

176

06 SEP 1990

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(5370802)
249076

Amvac Chemical Corporation
4100 East Washington Boulevard
Los Angeles, CA 90022

Gentlemen:

Subject: Phosdrin 4 SC
EPA Registration No. 5481-412
Your Letters Dated October 10, 1989
and June 30, 1990

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable subject to the comments listed below.

- 1. Change your ingredient statement as follows to reflect the change in the ingredient statement on your technical.

Active Ingredients:

Mevinphos (2-carboethoxy-1-methylvinyl dimethyl phosphate, alpha isomer)	20.25*
Mevinphos (2-carboethoxy-1-methylvinyl dimethyl phosphate, beta isomer)	7.12*
Inert Ingredients:	72.63
Total	100.00

LINE
NO. 111111
DATE

*Equivalent to 34.4% Mevinphos Insecticide.

- 2. Submit a revised Confidential Statement of Formula reflecting this change.

Submit five (5) copies of your final printed labeling before you release the product for shipment.

The changes to your preharvest intervals should be made immediately by stickering over your existing label. The other changes may be made by September 1, 1991.

59242:I:Peacock:C.Bick:K1200:00/30/90:DN:VO:PK:CF

CONCURRENCES

SYMBOL
SUPNAME

BEST AVAILABLE COPY

OFFICIAL FILE COPY

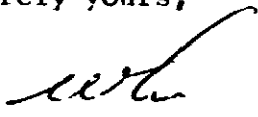
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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 4(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,



William H. Miller
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (7505C)

Enclosure

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Use Front Panel for Active Ingredients and Inert Ingredients Statements.

FRUIT AND NUT CROPS Use recommended dosage in a spray and water to obtain thorough spray coverage. Do not exceed indicated amount in gallons per acre for any application. Do not exceed 100 gallons per acre for any application. Do not exceed 100 gallons per acre for any application. Do not exceed 100 gallons per acre for any application.

FIELD AND VEGETABLE CROPS Use 1 to 1.5 gallons of spray per acre, or when using ground application.

Avoid use of this product to crops for which it is not registered or to crops for which it may be only used but application would be closer to harvest than recommended.

FRUIT AND NUT CROPS

APPLES, PEACHES, PEARS, PLUMS For control of Aphids, and Mites use 1/4 to 1/2 pt. per 100 gals. water. Do not exceed 1000 gallons of finished spray per acre on each and pears when 1/2 pt. is used. For control of Greenhouse, Lygus Bugs, and Red Banded Leaf Miner use 1/2 to 2/3 pt. per 100 gals. water. Do not exceed 800 gals. of finished spray per acre on apples and pears when 2/3 pt. is used. Do not treat within 1 day of harvest. Do not exceed 700 gals. finished spray per acre on plums.

CHERRIES (SEA-FRUIT ONLY) For control of Aphids and Mites use 1/2 to 2/3 pt. per 100 gals. water. Do not treat within 2 days of harvest. Do not exceed 700 gals. finished spray per acre.

CITRUS (ORANGES, LEMONS, GRAPEFRUIT) For control of Aphids use 1 to 2 pts. per acre in 200 to 300 gals. water. For control of Fruit Tree Leafminer, Orange Forks and Citruswood Leafminer, use 1 pt. per acre in 300 gals. water. For control of Western Trench Mouth weevil, Citrus Curculionid, Variegated Citrus Greening and Pine Sawfly use 2 pt. per acre in 1 200 gallons water. Allow at least 7 days between applications. Do not treat within 1 day of harvest.

GRAPEVINE For control of Aphids use 1/2 to 1 pt. per acre. Do not treat within 3 days of harvest. For control of Leaf Hopper, Leafhoppers, Mites, Red Banded Leafminer and Lygus Bugs use 1 to 2 pts. per acre. At the 2 pt. dosage do not treat within 3 days of harvest.

IMPATIENS For control of Aphids use 1/4 to 1/2 pt. per 100 gals. water. For control of Mites, Leafhoppers, Fruit Tree Leafminer and Orange Forks use 1/2 to 2/3 pt. per 100 gals. water. Apply both dosages in up to 200 gals. water per acre. Do not treat within 3 days of harvest.

STRAWBERRIES For control of Aphids and Mites use 1/4 to 1/2 pt. per 100 gals. water. For control of Greenhouse, Strawberry Leafminer, Salt Marsh Caterpillar and Lygus Bugs use 1/2 to 1 pt. per 100 gals. water. Do not treat within 1 day of harvest. For hard to kill insects including Aphids and Mites use 1 qt. per 100 gals. water, but do not treat within 2 days of harvest. Do not exceed 100 gals. finished spray per acre.

WALNUTS For control of Aphids use 1/4 to 1/2 pt. per 100 gals. water. For control of Mites, Greenhouse Leafminer, Orange Forks, Fruit Tree Leafminer and Western Trench Mouth use 1/2 pt. per 100 gals. water. Do not treat within 1 day of harvest. Do not exceed 1000 gals. finished spray per acre.

FIELD CROPS

ALFALFA, CLOVER For control of Aphids and Mites Caterpillar use 1/4 to 1/2 pt. per acre. For control of Greenhouse, Leafhoppers, Curculionid, Mites, Alfalfa Weevil and Lygus Bugs use 1/2 to 1 pt. per acre. Do not treat within 1 day of harvest.

JOHN RYED AND PURCHES FOR ORNAMENTAL AND GRASS For control of Aphids use 1/4 to 1 pt. per acre. Do not treat within 1 day of harvest. PHOSDRIN 4EC may cause a red or purple discoloration of the foliage on corn plants similar to other organophosphate compounds.

SOYBEAN AND GREEN BEAN PLANTS For control of Aphids use 1/4 to 1/2 pt. per acre. For control of Cabbage Looper, Imported Cabbageworm, Cabbageworm, Lygus Bug, Dipterous Leafminer, Greenhouse, Leafhoppers, Mites and Mites use 1/2 to 1 pt. per acre. Do not treat within 1 day of harvest.

PEAS (VINE OR FORAGE ONLY) For control of Aphids use 1/4 to 1/2 pt. per acre. For control of Greenhouse, Leafhoppers, Mites and Curculionid use 1/2 to 1 pt. per acre. Do not treat within 1 day of harvest.

BROWN MIP (OR FORAGE AND GRASS) For control of Aphids use 1/4 to 1/2 pt. per acre. For control of Fruit Tree Leafminer and Mites use 1/2 to 1 pt. per acre. For control of Alfalfa Weevil use 1 pt. per acre. Do not treat within 1 day of harvest. For control of Lygus Bug, use a red or purple discoloration of the foliage on corn plants similar to other organophosphate compounds.

VEGETABLE CROPS

ARTICHAUTS For control of Aphids use 1/4 to 1/2 pt. per acre. For control of Mites and Mites use 1 to 2 pt. per acre. Do not treat within 2 days of harvest.

BEANS For control of Aphids use 1/4 to 1/2 pt. per acre. For control of Greenhouse, Leafhoppers, Mites, and Mites use 1/2 to 1 pt. per acre. Do not treat within 1 day of harvest.

BEETS (INCLUDING TOPS) For control of Aphids use 1/4 to 1/2 pt. per acre. For control of Cabbage Looper, Imported Cabbageworm, Dipterous Leafminer (adult), False Chinch Bug, Greenhouse, Leafhoppers, Mites, Curculionid, Salt Marsh Caterpillar use 1/2 to 1 pt. per acre. Do not treat within 2 days of harvest.

BROCCOLI, CABBAGE For control of Aphids use 1/4 to 1/2 pt. per acre. For control of Cabbage Looper, Imported Cabbageworm, Greenhouse, Leafhoppers, Salt Marsh Caterpillar, Mites, Curculionid, Dipterous Leafminer (adult), and Lygus Bug use 1/2 to 1 pt. per acre. Do not treat within 2 days of harvest.

BRUSSELS SPROUTS, CAULIFLOWER, COLLARDS, KALE For control of Aphids, use 1/4 to 1/2 pt. per acre. For control of Cabbage Looper, Imported Cabbageworm, Greenhouse, Leafhoppers, Mites, Curculionid, Dipterous Leafminer (adult), and Lygus Bug use 1/2 to 1 pt. per acre. Do not treat within 3 days of harvest. For hard to kill insects, including Aphids, use 1 qt. per acre, but do not treat within 3 days of harvest.

CARROTS For control of Aphids use 1/4 to 1/2 pt. per acre. For control of Leafhoppers, Lygus Bug, Mites, Cabbageworm, Dipterous Leafminer (adult), Lygus Bug, and Salt Marsh Caterpillar use 1/2 to 1 pt. per acre. Do not treat within 2 days of harvest.

CELERY For control of Aphids use 1/4 to 1/2 pt. per acre. For control of Dipterous Leafminer (adult), Lygus Bug, Mites, Cabbageworm, Dipterous Leafminer (adult), Lygus Bug, and Salt Marsh Caterpillar use 1/2 to 1 pt. per acre. Do not treat within 3 days of harvest.

CORN (SWEET) FOR FORAGE AND GRASS For control of Aphids use 1/4 to 1 pt. per acre. Do not treat within 1 day of harvest. PHOSDRIN 4EC may cause a red or purple discoloration of the foliage on corn plants similar to other organophosphate compounds.

CUCUMBER (OUTDOOR) For control of Aphids use 1/4 to 1/2 pt. per acre. For control of Greenhouse, Leafhoppers, and Mites use 1/2 to 1 pt. per acre. Do not treat within 1 day of harvest.

EGGPLANT PEPPERS For control of Aphids use 1/4 to 1/2 pt. per acre. For control of Greenhouse, Leafhoppers, and Mites use 1/2 to 1 pt. per acre. Do not treat within 2 days of harvest.

LETTUCE For control of Aphids use 1/4 to 1/2 pt. per acre. For control of Corn Curculionid, Curculionid, Dipterous Leafminer (adult), Cabbageworm, Imported Cabbageworm, Greenhouse, Leafhoppers, Mites, Lygus Bug, Salt Marsh Caterpillar, False Chinch Bug, and Mites use 1/4 to 1/2 pt. per acre.

HEAD LETTUCE When applying 1 qt. or more per acre, do not treat within 2 days of harvest. For hard to kill insects, including Aphids, use 1 quart per acre but do not treat within 3 days of harvest.

Leaf Lettuce (Including Butter or Boston, Greenhead, Romaine and Romaine). When applying 1 qt. or more per acre, do not treat within 2 days of harvest. For hard to kill insects, including Aphids, use 1 quart per acre. Do not treat within 10 days of harvest.

MELONS (INCLUDING CANTALOUPES, HONEYDEW MELONS, MUSHMELONS, WATERMELONS) For control of Aphids use 1/4 to 1/2 pt. per acre. For control of Cabbage Looper, Dipterous Leafminer (adult), Leafhoppers, Lygus Bug, Mites, False Chinch Bug, Salt Marsh Caterpillar, Curculionid, and Greenhouse, use 1/2 to 1 pt. per acre. For control of Greenhouse, Cabbageworm, Lygus Bug, Salt Marsh Caterpillar, Tobacco Cutworm and WATERMELON, use 1/2 pt. per acre. Do not treat CANTALOUPES, HONEYDEW MELONS, MUSHMELONS OR WATERMELONS within 1 day of harvest.

ONION For control of Aphids use 1/4 to 1/2 pt. per acre. For control of Curculionid (adult), Corn Curculionid, Curculionid, Lygus Bug, Mites and Mites use 1/2 to 1 pt. per acre. Do not treat within 1 day of harvest.

ORNAMENTAL PLANTS (INCLUDING LILIES) For control of Thrips and Curculionid use 1/2 to 1 pt. per acre. Do not treat within 1 day of harvest.

PANFREY For control of Aphids, apply 1 to 2 pt. (0.5 to 1.0 lb. a/acre) as a foliage application using a minimum of 40 gallons of water per acre by ground application or 10 to 15 gallons water per acre by air application. For light infestation use lower dosage of 1 pt. (0.5 lb. a/acre). Do not treat later than 5 days before harvest. For hard to kill insects and increased populations use 2 pt. (1.0 lb. a/acre). Do not treat later than 8 days before harvest for higher dosage. Single applications which insects first appear and repeat as necessary to maintain control. Do not treat more than 3 times between harvests.

PEAS (INCLUDING VINES) For control of Aphids use 1/4 to 1/2 pt. per acre. For control of Greenhouse, Leafhoppers, Mites and Curculionid use 1/2 to 1 pt. per acre. Do not treat within 1 day of harvest.

POTATOES For control of Aphids use 1/4 to 1/2 pt. per acre. For control of Greenhouse, Leafhoppers, and Mites use 1/2 pt. per acre. Do not treat within 1 day of harvest.

SQUASH For control of Aphids use 1/4 to 1/2 pt. per acre. For control of Cabbage Looper, Dipterous Leafminer (adult), Leafhoppers, Lygus Bug, Mites, False Chinch Bug, Salt Marsh Caterpillar, Curculionid, and Greenhouse, use 1/2 to 1 pt. per acre. Do not treat within 1 day of harvest.

SUMMER SQUASH For control of Aphids use 1/4 to 1/2 pt. per acre. For control of Cabbage Looper, Dipterous Leafminer (adult), Leafhoppers, Lygus Bug, Mites, False Chinch Bug, Salt Marsh Caterpillar, Curculionid, and Greenhouse, use 1/2 to 1 pt. per acre. Do not treat within 1 day of harvest.

TOMATOES (OUTDOOR) For control of Aphids use 1/4 to 1/2 pt. per acre. For control of Greenhouse, Leafhoppers, and Mites use 1/2 to 1 pt. per acre. Do not treat within 1 day of harvest.

TURNEPS For control of Aphids use 1/4 to 1/2 pt. per acre. For control of Cabbage Looper, Imported Cabbageworm, Greenhouse, Leafhoppers, Mites, False Chinch Bug and Dipterous Leafminer (adult) use 1/2 to 1 pt. per acre. Do not treat within 3 days of harvest.

GREENHOUSE

Diluted PHOSDRIN 4EC should be applied in a closed greenhouse about all doors, windows, and ventilators. Lock or barricade all entrances, post warning signs and take whatever precautions are necessary to prevent unattended humans and domestic animals from entering the treated area. The operator must wear a full face mask of a type found adequate for methidathion (PHOSDRIN insecticide) protection.

Apply any time the greenhouse ventilators can remain closed for two hours without endangering crops from high temperatures, such as early morning, cloudy days or late afternoon. If application is made during the day, keep the greenhouse closed tightly for at least two hours, then ventilate the structure thoroughly for an hour before venturing regular work. If application is made in the late afternoon, the house can be kept closed all night. On the following morning, ventilate for one hour to render the air safe for regular work.

LETTUCE (INCLUDING LEAF, ROMA, AND ROMAINE) For control of Aphids, Corn Curculionid, Curculionid, Dipterous Leaf Miner (adult), Cabbageworm, Imported Cabbageworm, Greenhouse, Mites, Lygus Bug, Salt Marsh Caterpillar, False Chinch Bug and Mites use 1/4 to 1/2 pt. per 50 000 Sq Ft. Do not treat within 10 days of harvest.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Do not reuse empty container. Open dumping is prohibited. **STORAGE:** Do not store in or around the home. Store in a secure, dry, and temperate area. Start in original container only. Product is flammable. Keep away from heat, sparks, or open flame. If spilled, avoid exposure. If significant spill call CHEMTREC (800) 424-9300. Spill can be contained by covering with a sufficient amount of absorbent material, such as clay, cat litter, sawdust, sand, or similar, or sweeping. Unspilled material in drums, label containers, & dispose of according to the instructions below in PESTICIDE DISPOSAL.

CAUTION: Wear all personal protective equipment required in the PRECAUTIONS or LABELING section of this label including a suitable respirator. Avoid breathing dust clouds during clean-up. **PESTICIDE DISPOSAL:** Pesticide wastes are acutely poisonous. Improper disposal of empty containers may result in contamination of food or feed. If these wastes cannot be disposed of by use according to label instructions, contact your nearest State Pesticide or Environmental Control Agency, or the Hazardous Waste

STORAGE AND DISPOSAL (CONT.)
representative of the nearest EPA regional office for guidance.
CONTAINER DISPOSAL (Metal): Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture & dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. (Plastic): Triple rinse (or equivalent). Then offer for recycling (if available), or puncture and dispose of in a sanitary landfill or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

NOTICE: This product conforms to its chemical description and is reasonably fit for the purpose stated on the label, when used in accordance with directions under normal conditions of use. Manufacturer does not assume responsibility for the use of this product contrary to the label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to the manufacturer. After sale, the buyer assumes the risk of any such use.
EPA Reg. No. 100-100-0100
L.L. - 198 Amend. 08-28-83

**(RQ) ORGANOPHOSPHORUS PESTICIDE, LIQUID,
N.O.S. (METHIDATHION IN XYLENE)
FLAMMABLE LIQUID; UN 2784; POISON**

PHOSDRIN® 4EC EPA Reg. No. 5481-412

**AMVAC CHEMICAL CORPORATION
4100 EAST WASHINGTON BLVD
LOS ANGELES, CALIFORNIA 90023**

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INSECTICIDE

Emulsifiable Concentrate - Contains 4 lbs. active ingredients per Gallon

ACTIVE INGREDIENTS:

Mevinphos (2-Carbomethoxy-1-methylvinyl dimethyl phosphonate, alpha isomer)	28.3%
Related Compounds	18.8%
INERT INGREDIENTS:	52.9%

*Equivalent of 47.1% w MEVINPHOS Insecticide Total 100.0%

Phosdrin is a Registered Trade Mark of the AMVAC CHEMICAL CORPORATION

EPA REG. NO 5481-412

EPA EST. NO. 5481-1

NOT REVIEWED with PR Notice 9-6-90 In Accordance with Draft Labeling Date

KEEP OUT OF REACH OF CHILDREN



DANGER - POISON



PELIGRO

PRECAUCION: AL USUARIO Se usó no se ingiere, no use este producto hasta que la etiqueta haya sido explicada ampliamente.

STATEMENTS OF PRACTICAL TREATMENT

ATROPINE IS AN ANTIDOTE. CALL A PHYSICIAN AT ONCE IN ALL CASES OF SUSPECTED POISONING.

IF SWALLOWED: drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. NEVER induce vomiting or give anything by mouth to an unconscious or non-alert person. **IF INHALED:** remove from exposure. Have patient lie down and keep quiet. If patient is not breathing start artificial respiration immediately. Get medical attention.

IF CASE OF CONTACT: wash skin with plenty of soap and water. For eyes, flush with water and get medical attention. Remove and wash contaminated clothing before re-use.

IF WARNING SYMPTOMS APPEAR: (See WARNING SYMPTOMS Under NOTE TO PHYSICIANS) keep patient prone and quiet. Start artificial respiration immediately if patient is not breathing. Transport the patient immediately to the nearest hospital.

For medical emergencies involving this product, call 1-(213) 264-3910.

SEE ANTIDOTE AND OTHER PRECAUTIONS ON SIDE PANEL.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

VERY POISONOUS if swallowed, inhaled or absorbed through the skin. Rapidly absorbed through the skin. Repeated inhalation or skin contact may without symptoms, progressively increase susceptibility to PHOSDRIN insecticide poisoning. Do not swallow or get in eyes, on skin or on clothing. Do not breathe vapors. Do not contaminate food or feed products. Keep away from heat or open flame.

PRECAUTIONS IN USING

USE ONLY WHEN WEARING THE FOLLOWING PERSONAL PROTECTIVE EQUIPMENT DURING MIXING/LOADING, APPLICATION, REPAIR AND CLEANING OF MIXING, LOADING AND APPLICATION EQUIPMENT AND DISPOSAL OF PESTICIDE: protective suit of one or two pieces that covers all parts of the body except head, hands, and feet; chemical resistant gloves; chemical resistant shoes or chemical resistant shoe coverings or chemical resistant boots; goggles or face shield; hood or wide brimmed hat; NIOSH or MSHA approved respiratory protective device in the case of aerial application. The pilot should not assist in the mixing and loading operation.

IF MIXING/LOADING IS PERFORMED USING A CLOSED SYSTEM, THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT MAY BE WORN AS AN ALTERNATIVE: long sleeved shirt, long legged pants, chemical resistant gloves, chemical resistant apron, shoes and socks. Goggles or face shield must be worn when the system is under pressure. All other protective clothing and equipment required for use with open systems must be available nearby.

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 during entry to and exit from the application vehicle. All other protective clothing and equipment required for use during application must be available in the cab and must be worn when exiting the cab into the treated area. When used for this purpose, contaminated clothing may not be brought back into the cab unless in an enclosure such as a plastic bag. **REMEMBER - THIS CLOTHING IS NOT ADEQUATE TO PROTECT YOU DURING REPAIR AND CLEANING OF APPLICATION EQUIPMENT AND EARLY REENTRY TO TREATED AREAS. REFER TO PROTECTIVE CLOTHING AND EQUIPMENT REQUIREMENTS ABOVE.**

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

AFTER WORK: Before removing gloves, wash them with soap and water. Take off all work clothes and shoes. Shower using soap and water. Wear only clean clothes when leaving job—do not wear contaminated clothing. Personal and protective clothing worn during work must be stored and laundered separately from household articles. Cases or launder protective clothing after each use. Respirators must be cleaned and filters replaced according to instructions included with the respirators. Protective clothing and protective equipment that becomes heavily contaminated or drenched with phosdrin must be disposed according to State and local regulations. **HEAVILY CONTAMINATED OR OILY DRENCHED CLOTHING CANNOT BE ADEQUATELY DECONTAMINATED.**

while maintaining full atropinization. In adults, an initial dose of 1 gram of 2-PAM should be injected, preferably as an infusion, in 250 cc of saline over a 15 to 20 minute period. If this is not practical, 2-PAM may be administered slowly by intravenous injection as a 5% solution in water over not less than 2 minutes. After about an hour, a second dose of 1 gram of 2-PAM will be indicated if muscle weakness has not been relieved. For infants and children, the dose of 2-PAM is 0.25 grams.

Morphine is an improper treatment.

Clear chest by postural drainage. Oxygen administration may be necessary. Observe patient continuously for 48 hours. Repeated exposure to cholinesterase inhibitors may, without warning, cause prolonged susceptibility to very small doses of any cholinesterase inhibitor. Allow no further exposure until cholinesterase regeneration has been attained as determined by a blood test.

FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT, CALL 1-(213) 264-3910 ENVIRONMENTAL HAZARDS

Terrestrial Food and Nonfood Uses

This product is toxic to fish and wildlife. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water or wetlands (swamps, bogs, marshes, and ponds). Do not contaminate water when disposing of equipment washwaters.

Birds feeding on treated areas may be killed.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. Protective information may be obtained from your Cooperative Agricultural Extension Service.

Do not apply when weather conditions favor drift from areas treated. Do not apply where runoff is likely to occur.

In case of a significant spill, call CHEMTREC 1-800-424-9300.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

REENTRY STATEMENT

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.

HUMAN FLAGGERS ARE PROHIBITED during aerial application of this product unless in totally enclosed vehicles.

Reentry into treated CITRUS GROVES, GRAPE VINEYARDS, and NECTARINE and PEACH orchards is prohibited for 96 hours (4 days) after the end of application, unless the protective clothing specified on this label for early reentry is worn. Reentry into all other treated areas is prohibited for 48 hours (2 days) after the end of application, unless the protective clothing specified on this label for early reentry is worn.

FOR EARLY REENTRY INTO TREATED AREAS BEFORE SPRAYS HAVE DRIED

Wear all protective clothing specified on this label for an applicator.

FOR EARLY REENTRY INTO TREATED AREAS AFTER SPRAYS HAVE DRIED

Wear protective suit of one or two piece covering all parts of the body, including head, hands and feet; chemical resistant gloves; chemical resistant shoes (or chemical resistant shoe coverings or chemical resistant boots).

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.

Written or oral warnings must be given to workers who are expected to be in treated areas or in an area to be treated with this product. Indicate specific oral warning time when inform workers of areas or fields that may not be entered without specific protective clothing, period of time held must be vacated, and appropriate action to take in case of accidental exposure. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information:

"**DANGER:** Area treated with MEVINPHOS on (Date, _____). Do not enter without appropriate protective clothing until (insert date/time reflecting end of reentry interval set forth on this label). In case of accidental exposure see STATEMENTS OF PRACTICAL TREATMENT found on the Phosdrin 4EC product label."

USE AND APPLICATION DIRECTIONS

Do not apply this product through any type of irrigation system.

PHOSDRIN 4EC can be used in conventional hydraulic sprayers, low-volume ground applicators or airplane sprayers. Use this product only for recommended purposes and at recommended dosages. For pest results consult the State Agricultural Extension Service for exact dosage and mixing recommendations. Mix with water by vigorous agitation, agitate the mixture when spraying. If allowed to stand, re-agitate before use. Apply when insects first appear and repeat application as often as necessary to maintain control. Apply in a suitable volume of water to give uniform coverage of foliage. For application by airplane, dilute this product with 3 to 10 gallons of water per acre.

READ THE DIRECTIONS CAREFULLY AND FOLLOW THEM AT ALL TIMES

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FRUIT AND NUT CROPS Use recommended dosages in sufficient water to obtain thorough spray coverage but do not exceed indicated maximum gallonage for that crop. If concentrate ground application is employed do not apply less than 10 gallons of spray per acre, and adjust dosage of Phosdrin® 4EC to obtain same dosage per acre as recommended for full coverage application.

FIELD AND VEGETABLE CROPS Use 10 to 125 gallons of spray per acre when using ground application equipment.

Avoid drift of this product to crops for which it is not registered or to crops for which its use may be registered but application would be closer to harvest than recommended.

FRUIT AND NUT CROPS

APPLES, PEACHES, PEARS, PLUMS For control of Aphids and Mites use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per 100 gals. water. Do not exceed 1,200 gallons of finished spray per acre on apples and pears when $\frac{1}{2}$ pt. is used. For control of Grasshoppers, Lygus Bugs, and Red-Banded Leaf Roller use $\frac{1}{2}$ to $\frac{3}{4}$ pt. per 100 gals. water. Do not exceed 900 gals. of finished spray per acre on apples and pears when $\frac{1}{2}$ pt. is used. Do not treat within 1 day of harvest. Do not exceed 750 gals. finished spray per acre on peaches or plums.

CHERRIES (SOUR ONLY) For control of Aphids and Mites use $\frac{1}{2}$ to $\frac{3}{4}$ pt. per 100 gals. water. Do not treat within 2 days of harvest. Do not exceed 750 gals. finished spray per acre.

CITRUS (ORANGES, LEMONS, GRAPEFRUIT) For control of Aphids use 1 to 2 pts. per acre in 200 or more gals. water. For control of Fruit Tree Leafroller, Orange Tortrix and Omnivorous Leafroller, use 1 qt. per acre in 500 gals. water. For control of Western Tussock Moth larvae, Citrus Curculionid, Vanged Curculionid, and Pink Scavenger Caterpillar use 2 qt. per acre in 1,200 gals. water. Allow at least 7 days between applications. Do not treat within 1 day of harvest.

GRAPES For control of Aphids use $\frac{1}{2}$ to 1 pt. per acre. Do not treat within 2 days of harvest. For control of Leaf Folder, Leafhoppers, Mites, Red-Banded Leafroller and Lygus Bugs use 1 to 2 pts. per acre. At the 2 pt. dosage do not treat within 5 days of harvest.

RASPBERRIES For control of Aphids, use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per 100 gals. water. For control of Mites, Leafhoppers, Fruit Tree Leafroller and Orange Tortrix use $\frac{1}{2}$ to $\frac{3}{4}$ pt. per 100 gals. water. Apply both dosages in up to 200 gals. water per acre. Do not treat within 3 days of harvest.

STRAWBERRIES For control of Aphids and Mites use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per 100 gals. water. For control of Grasshoppers, Strawberry Leafroller, Salt-marsh Caterpillar and Lygus Bugs use $\frac{1}{2}$ to 1 pt. per 100 gals. water. Do not treat within 1 day of harvest. For hard-to-kill insects, including Aphids and Mites, use 1 qt. per 100 gals. water, but do not treat within 2 days of harvest. Do not exceed 100 gals. finished spray per acre.

WATERMELONS For control of Aphids use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per 100 gals. water. For control of Mites, Omnivorous Leafroller, Orange Tortrix, Fruit Tree Leafroller and Western Tussock Moth use $\frac{1}{2}$ pt. per 100 gals. water. Do not treat within 1 day of harvest. Do not exceed 1,000 gals. finished spray per acre.

FIELD CROPS

ALFALFA CLOVER For control of Aphids and Alfalfa Caterpillar use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per acre. For control of Grasshoppers, Leafhopper, Cutworms (climbing), Mites, Alfalfa Weevil Larvae and Lygus Bugs use $\frac{1}{2}$ to 1 pt. per acre. Do not treat within 1 day of harvest.

CORN (FIELD & POPCORN) FOR FORAGE & GRAIN For control of Aphids use $\frac{1}{4}$ to 1 pt. per acre. Do not treat within 1 day of harvest.

PHOSDRIN® 4EC may cause a red or purple discoloration of the foliage on corn plants similar to other organophosphate compounds.

MUSTARD GREENS, TURNIP TOPS For control of Aphids use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per acre. For control of Cabbage Looper, Imported Cabbage Worm, False Chinch Bug, Dipterous Leafminer (adults), Grasshoppers, Leafhoppers and Mites use $\frac{1}{2}$ to 1 pt. per acre. Do not treat within 3 days of harvest.

PEA VINES (FOR FORAGE ONLY) For control of Aphids use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per acre. For control of Grasshoppers, Leafhoppers, Mites and Cutworms (climbing), use $\frac{1}{2}$ to 1 pt. per acre. Do not treat within 1 day of harvest.

SORGHUM (FOR FORAGE AND GRAIN) For control of Aphids use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per acre. For control of Corn Earworm and Webworm use $\frac{1}{2}$ to 1 pt. per acre. For control of all Armyworms use 1 pt. per acre. Do not treat within 3 days of harvest.

PHOSDRIN® 4EC may cause a red or purple discoloration of the foliage on sorghum plants similar to other organophosphate compounds.

VEGETABLE CROPS

ARTICHOKE VINES For control of Aphids use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per acre. For control of Plum Moths use 1 to 2 pts. per acre. Do not treat within 2 days of harvest.

BEANS For control of Aphids use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per acre. For control of Grasshoppers, Leafhoppers, Mites, and Mexican Bean Beetle use $\frac{1}{2}$ to 1 pt. per acre. Do not treat within 1 day of harvest.

BEETS (INCLUDING TOPS) For control of Aphids use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per acre. For control of Cabbage Looper, Cutworm (climbing), Dipterous Leafminer (adults), False Chinch Bug, Grasshoppers, Imported Cabbage Worm, Leafhoppers, Mites and Salt-marsh Caterpillars use $\frac{1}{2}$ to 1 pt. per acre. Do not treat within 3 days of harvest.

BROCCOLI, CABBAGE For control of Aphids use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per acre. For control of Cabbage Looper, Imported Cabbage Worm, Grasshoppers, Leafhoppers, Salt-marsh Caterpillar, Mites, Cutworms (climbing), Dipterous Leafminer (adults), and Lygus Bugs use $\frac{1}{2}$ to 1 pt. per acre. Do not treat within 1 day of harvest. For hard-to-kill insects, including Aphids, use 1 qt. per acre, but do not treat within 3 days of harvest.

BRUSSEL SPROUTS, CAULIFLOWER, COLLARDS, KALE For control of Aphids use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per acre. For control of Cabbage Looper, Imported Cabbage Worm, Grasshoppers, Leafhoppers, Salt-marsh Caterpillar, Mites, Cutworms (climbing), Dipterous Leafminer (adults) and Lygus Bugs use $\frac{1}{2}$ to 1 pt. per acre. Do not treat within 3 days of harvest. For hard-to-kill insects, including Aphids, use 1 qt. per acre, but do not treat COLLARDS and KALE within 7 days of harvest.

CARROTS For control of Aphids use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per acre. For control of Leafhoppers, Lygus Bugs, Mites, Cabbage Looper, Dipterous Leafminer (adults), Cutworms (climbing), and Salt-marsh Caterpillar use $\frac{1}{2}$ to 1 pt. per acre. Do not treat within 2 days of harvest.

CELERY For control of Aphids, use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per acre. For control of Dipterous Leafminer (adults), Lygus Bugs, Salt-marsh Caterpillar, Leafhoppers, Cabbage Looper and Mites, use $\frac{1}{2}$ to 1 pt. per acre. Do not treat within 3 days of harvest. For hard-to-kill insects, including Aphids, use 1 qt. per acre, but do not treat within 5 days of harvest.

CORN (SWEET) FOR GRAIN & FORAGE For control of Aphids use $\frac{1}{4}$ to 1 pt. per acre. Do not treat within 1 day of harvest.

PHOSDRIN® 4EC may cause a red or purple discoloration of the foliage on corn plants similar to other organophosphate compounds.

CUCUMBER (OUTDOOR) For control of Aphids use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per acre. For control of Grasshoppers, Leafhoppers, and Mites, use $\frac{1}{2}$ to 1 pt. per acre. Do not treat within 1 day of harvest.

EGGPLANT, PEPPERS For control of Aphids, use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per acre. For control of Grasshoppers, Leafhoppers, and Mites, use $\frac{1}{2}$ to 1 pt. per acre. Do not treat within 2 days of harvest.

LETTUCE For control of Aphids, use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per acre. For control of Corn Earworm, Cutworms (climbing), Dipterous Leafminer (adults), Cabbage Looper, Imported Cabbage Worm, Grasshoppers, Mites, Lygus Bugs, Salt-marsh Caterpillar, False Chinch Bug, and Thrips use $\frac{1}{2}$ to 1 pt. per acre. Do not treat within 2 days of harvest. For hard-to-kill insects, including Aphids, use 1 qt. per acre but do not treat within 4 days of harvest.

MELONS (INCLUDING CANTALOUPES, HONEYDEW MELONS, MUSKMELONS, WATERMELONS) For control of Aphids, use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per acre. For control of Cabbage Looper, Dipterous Leafminer (adults), Leafhoppers, Lygus Bugs, Mites, False Chinch Bug, Salt-marsh Caterpillar, Cutworms (climbing), and Grasshoppers use $\frac{1}{2}$ to 1 pt. per acre. To control Rinov orms (Cabbage Looper, Cutworms, Salt-marsh Caterpillars, Tobacco Budworms) on WATERMELONS apply $\frac{1}{2}$ pt. per acre. Do not treat CANTALOUPES, HONEY-DEW MELONS, MUSKMELONS OR WATERMELONS within 1 day of harvest.

OKRA For control of Aphids, use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per acre. For control of Cutworms (climbing), Corn Earworm, Green Stink Bug, Mites and Velvet Bean Caterpillar, use $\frac{1}{2}$ to 1 pt. per acre. Do not treat within 1 day of harvest.

ONIONS (GREEN) For control of Thrips and Cutworms (climbing) use $\frac{1}{2}$ to 1 pt. per acre. Do not treat within 1 day of harvest.

PARSLEY For control of Aphids, apply 1 to 2 pt. (0.5 lb. to 1.0 lb. a.i./acre) as foliage application using a minimum of 40 gallons of water per acre by ground application or 10 to 15 gallons of water per acre by air application. For light infestations use lower dosage of 1 pt. (0.5 lb. a.i./acre). Do not treat later than 5 days before harvest. For hard-to-kill insects and increased populations use 2 pt. (1.0 lb. a.i./acre). Do not treat later than 8 days before harvest for higher dosage. Begin application when insects first appear and repeat as often as necessary to maintain control. Do not treat more than 3 times between harvest.

PEAS (INCLUDING VINES) For control of Aphids, use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per acre. For control of Grasshoppers, Leafhoppers, Mites and Cutworms (climbing), use $\frac{1}{2}$ to 1 pt. per acre. Do not treat within 1 day of harvest.

POTATOES For control of Aphids, use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per acre. For control of Grasshoppers, Leafhoppers, and Mites use $\frac{1}{2}$ pt. per acre. Do not treat within 1 day of harvest.

SPINACH For control of Aphids, use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per acre. For control of Cabbage Looper, Imported Cabbage Worm, Grasshoppers, Leafhoppers, Mites, Dipterous Leafminer (adults), Cutworms (climbing), Salt-marsh Caterpillar, and False Chinch Bug use $\frac{1}{2}$ to 1 pt. per acre. Do not treat within 4 days of harvest. For hard-to-kill insects, including Aphids, use 1 qt. per acre but do not treat within 7 days of harvest.

SUMMER SQUASH For control of Aphids, use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per acre. For control of Cabbage Looper, Dipterous Leafminer (adults), Leafhoppers, Lygus Bugs, Mites, False Chinch Bug, Salt-marsh Caterpillar, Cutworms (climbing), and Grasshoppers, use $\frac{1}{2}$ to 1 pt. per acre. Do not treat within 3 days of harvest.

TOMATOES (OUTDOOR) For control of Aphids use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per acre. For control of Grasshoppers, Leafhoppers, and Mites use $\frac{1}{2}$ to 1 pt. per acre. Do not treat within 1 day of harvest.

TURNIPS For control of Aphids use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per acre. For control of Cabbage Looper, Imported Cabbage Worm, Grasshoppers, Leafhoppers, Mites, False Chinch Bug and Dipterous Leafminer (adults) use $\frac{1}{2}$ to 1 pt. per acre. Do not treat within 3 days of harvest.

GREENHOUSE

Diluted PHOSDRIN® 4EC should be applied in a closed greenhouse (close all doors, windows and ventilators). Lock or barricade all entrances, post warning signs, and take whatever precautions are necessary to prevent unprotected humans and domestic animals from entering the treated area. The operator must wear a full face mask of a type found adequate for methoxyphosphates (PHOSDRIN® insecticide) protection.

Apply any time the greenhouse ventilators can remain closed for two hours without endangering crops from high temperatures, such as early morning, cloudy days or late afternoons. If application is made during the day, keep the greenhouse closed tightly for at least two hours, then ventilate the enclosure thoroughly for an hour before resuming work. If application is made in the late afternoon, the house can be kept closed all night. On the following morning ventilate for one hour to render the air safe for regular work.

LETTUCE (INCLUDING LEAF, BIBB AND ROMAINE) For control of Aphids, Corn Earworms, Cutworms (climbing), Dipterous Leafminer (adults), Cabbage Looper, Imported Cabbage Worm, Grasshoppers, Mites, Lygus Bugs, Salt-marsh Caterpillars, False Chinch Bugs and Thrips, use $\frac{1}{4}$ to $\frac{1}{2}$ pt. per 50,000 sq ft. Do not treat within 10 days of harvest.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Do not reuse empty container. Open dumping is prohibited.

STORAGE Do not store in or around the home. Store in a secure, dry and temperate area. Store in original container only. Product is flammable. Keep away from heat, sparks or open flame. If spilled, avoid exposure. If significant spill, call CHEMTREC 1-800-424-9300. Soil can be contained by covering with a sufficient amount of absorbent material such as dry, non-combustible earth, sand, sawdust, or sweeping compound. Place in drum label container & dispose of according to the instructions below in PESTICIDE DISPOSAL.

CAUTION Wear all personal protective equipment required in the PRECAUTIONS IN USING section of this label including a pesticide respirator. Avoid forming dust clouds during clean-up.

PESTICIDE DISPOSAL Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or residue is a violation of Federal law. If the wastes can't 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 (Metal) Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture & dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. (Plastic) Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or if allowed by State and local authorities by burning. If burned, stay out of smoke.

NOTICE This product conforms to its chemical description and is safe and effective for the purpose stated on the label, when used in accordance with directions under normal conditions of use. Manufacturer is not responsible for the use of product contrary to the label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to the manufacturer and/or seller and the buyer assumes the risk of any such use.

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