

BEST AVAILABLE COPY

RESTRICTED
 7 1982
 registered under
 EPA Reg No. 279-1452

Code 30471

Net Contents **279-1452** Gallon

RESTRICTED USE PESTICIDE
 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

Phosdrin® 4.0 Miscible

Insecticide

EPA Reg No 279-1452 ZA EPA Est. 279

Active Ingredients	By Weight
† Alpha Isomer of 2-carbomethoxy-1-methylamino- dimethyl phosphate	28.50%
* Related Compounds	19.00%
Petroleum Hydrocarbons	42.50%
Inert Ingredients	10.00%
	100.00%

† Equivalent to 47.5% Phosdrin. Contains 4 pounds Phosdrin per gallon.

* Phosdrin is a registered trademark of Shell Chemical Company.

KEEP OUT OF REACH OF CHILDREN

☠ DANGER—POISON ☠

First Aid Treatment

If swallowed: Call a physician or Poison Control Center. Drink one or two glasses of water and induce vomiting by touching back of throat with finger, or if available, by administering syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.

If on skin: In case of contact, remove contaminated clothing and immediately wash skin with soap and water.

If in eyes: Wash at once in running water for at least 10 minutes.

Antidote

NOTE TO PHYSICIAN: Phosdrin is a cholinesterase inhibitor. Patient should be under observation for 48 hours. Atropine is antidotal. Give 4 mg intramuscularly or 1 mg intravenously. Repeat every 15 minutes until patient is fully atropinized. 2-PAM is also antidotal and may be administered in conjunction with atropine.

For Emergency Assistance Call 716-735-3765.

See Other Panels for Additional Precautionary Information.



FMC Corporation
Agricultural Chemical Group
 2000 Market Street
 Philadelphia Pennsylvania 19103

PRECAUTIONARY STATEMENTS

Hazards to Humans (& Domestic Animals)

Danger

Poisonous if Swallowed, Inhaled or Absorbed Through Skin or Eyes. Rapidly absorbed through skin. Do not get in eyes, on skin or on clothing. Repeated inhalation or skin contact may, without symptoms, progressively increase susceptibility to mevinphos (phosdrin) poisoning. Do not swallow or get in eyes, on skin, or on clothing. Do not breathe vapors. Wear clean rubber gloves, clean protective clothing, goggles and a face shield. In case of contact, wash immediately with soap and water. Wear a mask or a pesticide respirator (jointly approved by the Mining Enforcement and Safety Administration (formerly U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11). Do not apply or allow to drift areas occupied by unprotected humans or beneficial animals. Keep all unprotected persons out of operating areas or vicinity where there may be danger of drift. Vacated areas should not be re-entered on the day of the treatment. Do not contaminate or store near feed and foodstuffs. Wash hands, arms and face thoroughly with soap and water before eating or smoking. Wash all contaminated clothing with soap and water before reuse.

Environmental Hazards

This product is poisonous to fish and wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply where run-off is likely to occur. Do not apply when weather conditions favor drift from the areas treated. Do not contaminate water. Cleaning of equipment or disposal of wastes. Apply this product in a manner specified on this label.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

Physical or Chemical Hazards

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

Storage and Disposal
 Do not store below 0° F. If possible, do not store above 95° F. Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Pesticide spray mixture or rinse water that cannot be used according to label instructions must be disposed of according to applicable Federal, State or local procedures. To dispose of container, triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved State and local procedures. Do not cut or weld this container.
 In case of spillage, wash down with large amounts of water. Decontaminate areas and equipment by washing with strong lye solution.

Not for use or storage in or around the home.

Mix with water by vigorous agitation, agitate the mixture while spraying allowed to stand, re-agitate before use. Do not use in undiluted form.

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 water per acre.

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 4.0 Miscible 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.

NOTE: Consult your State Department of Agriculture or local Agricultural Extension Service for information on the time interval between applications and safe reentry to the treated field.

Observe days interval between last application and harvest indicated by number in () following the crop.

Fruit and Nut Crops

Apples (1), Peaches (1), Pears (1), Plums (1): For control of Aphids and Mites, use 1/2 to 1 pint per 100 gallons water. Do not exceed 1,200 gallons of finished spray per acre on apples and pears when 1/2 pint is used. For control of Grasshoppers, Lygus Bugs and Red-Banded Leafroller, use 1 to 1 1/2 pint per 100 gallons water. Do not exceed 900 gallons of finished spray per acre on apples and pear when 1/2 pint is used. Do not exceed 750 gallons finished spray per acre on peaches or plums.

Cherries (Sour Only) (2): For control of Aphids and Mites, use 1/2 to 1 pint per 100 gallons water. Do not exceed 750 gallons finished spray per acre.

Grapefruit (1), Lemons (1), Oranges (1): Aphids - Use 1 to 2 pints per acre. Apply in 200 or more gallons of water per acre. Fruittree Leafroller, Orange Tortrix, Omnivorous Leafroller - Use 1 quart per acre. Apply in 500 gallons of water per acre. Western Tussock Moth Larvae, Citrus Cutworm, Variegated Cutworms, Pink Scavenger Caterpillar - Use 2 quarts per acre. Apply in 1,200 gallons of spray per acre. Allow at least 7 days between applications.

Grapes (2)*: For control of Aphids, use 1/2 to 1 pint per acre. For control of Leafhopper, Leafhoppers, Mites, Red-Banded Leafroller and Lygus Bugs, use 1 to 2 pints per acre. *At the 2 pint dosage do not treat within 5 days of harvest.

Raspberries (3): Aphids - Use 1/2 to 1 pint per 100 gallons of water. Mites, Leafhoppers, Fruittree Leafroller, Orange Tortrix - Use 1 to 1 1/2 pints per 100 gallons of water. Apply no more than 200 gallons of water per acre.

Strawberries (1)*: Aphids, Mites - Use 1/2 to 1 pint per 100 gallons of water. Grasshoppers, Strawberry Leafroller, Saltmarsh Caterpillar, Lygus Bug - Use 1 to 1 1/2 pint per 100 gallons of water (200 gallons per acre). *For hard to kill insects, including aphids and mites, use 1 quart per 100 gallons water, but do not treat within 2 days of harvest. Do not exceed 100 gallons finished spray per acre.

Walnuts (1): Aphids - Use 1/2 to 1 pint per 100 gallons of water. Mites, Omnivorous Looper, Orange Tortrix, Fruittree Leafroller, Western Tussock Moth - Use 1 pint per 100 gallons of water. By ground, apply a minimum of 200 gallons of finished spray per acre. By air, apply 1 to 1 1/2 pints of Phosdrin 4.0 Miscible per acre in a minimum of 15 gallons of water. Do not apply more than 2 1/2 quarts (1,000 gallons finished spray) per acre.

Field Crops

Alfalfa (1), Clover (1): Aphids, Alfalfa Caterpillar - Use 1/2 to 1 pint per acre. Grasshoppers, Leafrollers, Climbing Cutworms, Mites, Alfalfa Weevil Larvae, Lygus Bugs - Use 1/2 to 1 pint per acre.

Corn (Field, Sweet and Popcorn) For Forage Only (1): Aphids, Spider Mites - Use 1/2 to 1 pint per acre.

Mustard Greens (3), Turnip Tops (3): Aphids - Use 1/2 to 1 pint per acre. Cabbage Looper, Imported Cabbageworm, Fall Army Chinch Bug, Dipterous Leafminer (adult), Grasshoppers, Leafhoppers, Mites - Use 1/2 to 1 pint per acre.

Pea Vines (For Forage Only) (1): Aphids - Use 1/2 to 1 pint per acre. Grasshoppers, Leafhoppers, Mites, Climbing Cutworms - Use 1/2 to 1 pint per acre.

Sorghum (For Forage and Grain) (3): Aphids - Use 1/2 to 1 pint per acre. Corn Earworm and Webworms - Use 1/2 to 1 pint per acre. Fall Armyworm - Use 1 pint per acre.

BEST AVAILABLE COPY

Vegetable Crops

Artichokes (2): Aphids - Use 1/4 to 1/2 pint per acre. Artichoke Plume Moth - Use 1/2 to 1 quart per acre.

Beans (1): Use 1/4 to 1/2 pint per acre. Grasshoppers, Leafhoppers, Mites and Mexican Bean Beetle - Use 1/2 to 1 pint per acre.

Beets (Including Tops) (3): Aphids - Use 1/4 to 1/2 pint per acre. Cabbage Looper, Climbing Cutworms, Dipterous Leafminer (adult), False Chinch Bug, Grasshoppers, Imported Cabbage Worm, Leafhopper, Mites, Salt-Marsh Caterpillar - Use 1/2 to 1 pint per acre.

Broccoli (1),* Cabbage (1)*: For control of Aphids - Use 1/4 to 1/2 pint per acre. For control of Cabbage Looper, Imported Cabbage Worm, Grasshoppers, Leafhoppers, Salt-Marsh Caterpillar, Mites, Climbing Cutworms, Dipterous Leafminer (adult) and Lygus Bugs - Use 1/2 to 1 pint per acre. *For hard to kill insects, including aphids, use 1 quart per acre, but do not treat within 3 days of harvest.

Brussels Sprouts (3), Cauliflower (3), Collards (3),* Kale (3)*: For control of Aphids - Use 1/4 to 1/2 pint per acre. For control of Cabbage Looper, Imported Cabbageworm, Grasshoppers, Leafhoppers, Salt-Marsh Caterpillar, Mites, Climbing Cutworms, Dipterous Leafminer (adult) and Lygus Bugs - Use 1/2 to 1 quart per acre. For hard to kill insects, including aphids, use 1 quart per acre, but do not treat collards and kale within 7 days of harvest.

Carrots (2): Aphids - Use 1/4 to 1/2 pint per acre. Leafhoppers, Lygus Bugs, Mites, Cabbage Looper, Dipterous Leafminer (adults), Climbing Cutworms, Salt-Marsh Caterpillar - Use 1/2 to 1 pint per acre.

Celery (3)*: Aphids - Use 1/4 to 1/2 pint per acre. Dipterous Leafminer (adult), Lygus Bugs, Salt-Marsh Caterpillar, Leafhoppers, Cabbage Looper and Mites - Use 1/2 to 1 pint per acre. *For hard to kill insects, including aphids, rate may be increased to 2 pints per acre, but do not apply within 5 days of harvest.

Corn (Field, Sweet and Popcorn) For Grain Only (1): Aphids - Use 1/4 to 1 pint per acre.

Cucumbers (Outdoor) (2): Aphids - Use 1/4 to 1/2 pint per acre. Grasshoppers, Leafhoppers, Mites - Use 1/2 to 1 pint per acre.

Eggplant (2), Peppers (2): Aphids - Use 1/4 to 1/2 pint per acre. Grasshoppers, Leafhoppers and Mites - Use 1/2 to 1 pint per acre.

Lettuce (2)*: Aphids - Use 1/4 to 1/2 pint per acre. For control of Corn Earworm, Climbing Cutworms, Dipterous Leafminer (adult), Cabbage Looper, Imported Cabbageworm, Grasshoppers, Mites, Lygus Bugs, Salt-Marsh Caterpillar, False Chinch Bug and Thrips - Use 1/2 to 1 pint per acre. *For hard to kill insects, including aphids, use 1 quart per acre, but do not treat within 4 days of harvest.

Melons (Including Cantaloupe, Honeydew Melons, Muskmelons, Watermelons) (1): Aphids - Use 1/4 to 1/2 pint per acre. Cabbage Looper, Dipterous Leafminer (adult), Leafhoppers, Lygus Bugs, Mites, Salt-Marsh Caterpillar, False Chinch Bug, Climbing Cutworms, Grasshoppers - Use 1/2 to 1 pint per acre. To control Budworms (Cabbage Looper, Cutworms, Salt-Marsh Caterpillars, Tobacco Budworms) on watermelons apply 1/2 pint per acre.

Okra (1): For control of Aphids use 1/4 to 1/2 pint per acre. For control of Climbing Cutworms, Corn Earworms, Green Stink Bug, Mites and Velvet Bean Caterpillar - Use 1/2 to 1 pint per acre.

Onions (Including Green Onions) (1): Thrips, Climbing Cutworms - Use 1/2 to 1 pint per acre.

Parsley (5)*: For control of Aphids apply 1 to 2 pints (0.5 lb. to 1.0 lb. a.i. / acre) as a 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 infestation use lower dosage of 1 pint (0.5 lb. a.i. / acre). *For hard to kill insects and increased populations use 2 pints (1.0 lb. a.i. / acre). Do not treat later than 8 days before harvest for higher doses. Begin application when insects first appear and repeat as often as necessary to maintain control. Do not treat more than 3 times between harvests.

Peas (Including Vines) (1): Aphids - Use 1/4 to 1/2 pint per acre. For control of Grasshoppers, Leafhoppers, Mites and Climbing Cutworms - Use 1/2 to 1 pint per acre.

Potatoes (1): Aphids - Use 1/4 to 1/2 pint per acre. Grasshoppers, Leafhoppers, Mites - Use 1/2 pint per acre.

Spinach (4)*: For control of Aphids - Use 1/4 to 1/2 pint per acre. For control of Cabbage Looper, Imported Cabbageworm, Grasshoppers, Leafhoppers, Mites, Dipterous Leafminer (adult), Climbing Cutworms, Salt-Marsh Caterpillar and False Chinch Bug - Use 1/2 to 1 pint per acre. *For hard to kill insects, including Aphids - Use 1 quart per acre, but do not treat within 7 days of harvest.

Summer Squash (1): For control of Aphids - Use 1/4 to 1/2 pint per acre. For control of Cabbage Looper, Dipterous Leafminer (adult), Leafhoppers, Lygus Bugs, Mites, False Chinch Bugs, Salt-Marsh Caterpillar, Climbing Cutworms and Grasshoppers - Use 1/2 to 1 pint per acre.

Tomatoes (Outdoor) (1): Aphids - Use 1/4 to 1/2 pint per acre. Grasshoppers, Leafhoppers and Mites - Use 1/2 to 1 pint per acre.

Turnips (3): For control of Aphids - Use 1/4 to 1/2 pint per acre. For control of Cabbage Looper, Imported Cabbage Worm, Grasshoppers, Leafhoppers, Mites, False Chinch Bug and Dipterous Leafminer (adult) - Use 1/2 to 1 pint per acre.

Greenhouse: Diluted Phosdrin 4-D Miscible 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 mevinphos (Phosdrin) 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 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, Bibb and Romaine) (10): Aphids, Corn Earworms, Climbing Cutworms, Dipterous Leafminer (adult), Cabbage Looper, Imported Cabbage Worm, Grasshoppers, Mites, Lygus Bugs, Salt-Marsh Caterpillars, False Chinch Bugs and Thrips - Use 1/4 to 2 1/2 pints per 50,000 cu ft.

Dealers Should Sell in Original Packages Only. Terms of Sale or Use: On purchase of this product buyer and user agree to the following conditions:

Warranty: FMC makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as so warranted, the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

Directions and Recommendations: Follow directions carefully. Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the seller and are assumed by buyer at his own risk.

Use of Product: FMC's recommendations for the use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice.

Damages: Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages.