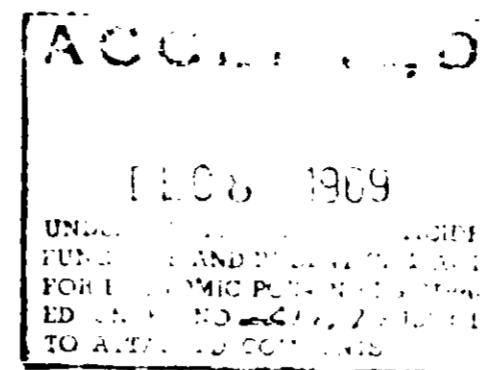


SHELL CHEMICAL COMPANY  
A Division of Shell Oil Company  
Agricultural Chemicals Division

New York, New York 10020



[201-177]  
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PHOSDRIN® INSECTICIDE  
EMULSIBLE CONCENTRATE  
NO. 1

(Contains 2.0 lbs. PHOSDRIN Insecticide Per Gal.)

ACTIVE INGREDIENTS	BY WEIGHT
Alpha Isomer of 2-Carbomethoxy-1-methylvinyl Dimethyl Phosphate	14.5%*
Related Compounds	9.7%*
Petroleum Hydrocarbons	69.8%
INERT INGREDIENTS	6.0%
TOTAL	100.0%

\* Equivalent to 24.2% PHOSDRIN Insecticide

USDA Reg. No. 201-177

Net Contents \_\_\_\_\_

KEEP OUT OF REACH OF CHILDREN  
AND DOMESTIC ANIMALS

DANGER!



POISON

SEE ANTIDOTE AND OTHER  
PRECAUTIONS ON SIDE PANEL

Read the Directions Carefully and Follow Them at all Times

USE AND APPLICATION DIRECTIONS

Shell PHOSDRIN Insecticide Emulsible Concentrate 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 best results consult the State Agricultural Extension Service for exact dosage and timing recommendations.

Mix with water by vigorous agitation; agitate the mixture while 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 1 to 5 gallons of water per acre.

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 larv at than recommended.

Agricultural Chemicals Division

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PHOSDRIN E.C. (2 lb./gal.)

USE AND APPLICATION DIRECTIONS (Cont'd.)

FRUIT AND NUT CROPS

APPLES, PEACHES, PEARS, PLUMS: For control of aphids and mites use 1/2 to 1 pt. per 100 gals. water. For control of grasshoppers, lygus bugs and red-banded leafroller use 1 to 1-1/4 pts. per 100 gals. water. Do not treat within 1 day of harvest.

CHERRIES (SOUR ONLY): For control of aphids and mites use 1 to 1-1/4 pts. per 100 gals. water. Do not treat within 2 days of harvest.

CITRUS: ORANGES, LEMONS, GRAPEFRUIT: For control of aphids use 1 to 2 qts. per acre in 200 or more gals. water. For control of fruit tree leafroller, orange tortrix and omnivorous leafroller use 2 qts. per acre in 500 gals. water. For control of Western tussock moth larvae, citrus cutworm, variegated cutworm and pink scavenger caterpillar use 1 gal. per acre in 1,000 gals. water. Allow at least 7 days between applications. Do not treat within 1 day of harvest.

GRAPES: For control of aphids use 1 to 2 pts. 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 qts. per acre. All other dosages do not treat within 5 days of harvest.

RASPBERRIES: For control of aphids use 1/2 to 1 pt. per 100 gals. water. For control of mites, leafhoppers, fruit tree leafroller and orange tortrix use 1 to 1-1/4 pts. 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, mites use 1/2 to 1 pt. per 100 gals. water. For control of grasshoppers, strawberry leafroller, salt-marsh caterpillar and lygus bugs use 1 to 2 pts. per 100 gals. water. Do not treat within 1 day of harvest. For all hard to kill insects, including aphids and mites, use 2 qts. per 100 gals. water, but do not treat within 2 days of harvest.

WALNUTS: For control of aphids use 1/2 to 1 pt. per 100 gals. water. For control of mites, omnivorous looper, orange tortrix, fruit tree leafroller and western tussock moth use 1 pt. per 100 gals. water. Do not treat within 1 day of harvest.

FIELD CROPS

ALFALFA, CLOVER: For control of aphids and alfalfa caterpillar use 1/2 to 1 pt. per acre. For control of grasshoppers, leafhoppers, cutworms (climbing), mites, alfalfa weevil larvae and lygus bugs use 1 to 2 pts. per acre. Do not treat within 1 day of harvest.

CORN (FIELD, SWEET, AND POPCORN) FOR FORAGE ONLY: For control of aphids use 1/2 to 2 pts. per acre. Do not treat within 1 day of harvest.

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PHOSDRIN E.C. (2 lb./gal.)

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USE AND APPLICATION DIRECTIONS (Cont'd.)

FIELD CROPS (Cont'd)

MINT: For control of aphids, mites, cutworms and loopers use 1 qt. per acre. Apply 3 applications at 7 day intervals. Do not treat within 30 days of harvest.

MUSTARD GREENS, TURNIP TOPS: For control of aphids use 1/2 to 1 pt. per acre. For control of cabbage looper, imported cabbage worm, false chinch bug, dipterous leafminer (adult), grasshoppers, leafhoppers and mites use 1 to 2 pts. per acre. Do not treat within 3 days of harvest.

PEA VINEFS (FOR FORAGE ONLY): For control of aphids use 1/2 to 1 pt. per acre. For control of grasshoppers, leafhoppers, mites and cutworms (climbing) use 1 to 2 pts. per acre. Do not treat within 1 day of harvest.

SORGHUM (FOR FORAGE AND GRAIN): For control of corn earworm and webworms use 1 to 2 pts. per acre. For control of fall armyworms use 1 qt. per acre. Do not treat within 3 days of harvest.

VEGETABLE CROPS

ARTICHOKES: For control of aphids use 1/2 to 1 pt. per acre. For control of plume moth use 1 to 2 qts. per acre. Do not treat within 2 days of harvest.

BEANS: For control of aphids use 1/2 to 1 pt. per acre. For control of grasshoppers, leafhoppers, mites and Mexican bean beetle use 1 to 2 pts. per acre. Do not treat within 1 day of harvest.

BEETS (INCLUDING TOPS): For control of aphids use 1/2 to 1 pt. per acre. For control of cabbage looper, cutworm (climbing), dipterous leafminer (adult), false chinch bug, grasshoppers, imported cabbage worm, leafhopper, mites and salt-marsh caterpillar use 1 to 2 pts. per acre. Do not treat within 3 days of harvest.

BROCCOLI, CABBAGE: For control of aphids use 1/2 to 1 pt. per acre. For control of cabbage looper, imported cabbage worm, grasshoppers, leafhoppers, salt-marsh caterpillar, mites, cutworms (climbing), dipterous leafminer (adult) and lygus bugs use 1 to 2 pts. per acre. Do not treat within 1 day of harvest. For hard to kill insects, including aphids, use 2 qts. per acre, but do not treat within 3 days of harvest.

BRUSSELS SPROUTS, CAULIFLOWER, COLLARDS, KALE: For control of aphids use 1/2 to 1 pt. per acre. For control of cabbage looper, imported cabbage worm, grasshoppers, leafhoppers, salt-marsh caterpillar, mites, cutworms (climbing), dipterous leafminer (adult) and lygus bugs use 1 to 2 pts. per acre. Do not treat within 3 days of harvest. For hard to kill insects, including aphids, use 2 qts. per acre, but do not treat collards and kale within 7 days of harvest.

Agricultural Chemicals Division

PERMETHRIN P.C. (2 lb./gal.)

USE AND APPLICATION DIRECTIONS (Cont'd.)

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VEGETABLE CROPS (Cont'd.)

CARROTS: For control of aphids use 1/2 to 1 pt. per acre. For control of leafhoppers, beet beetles, flies, cutworms, larvae of tomato leaf miner (adults), cutworm (larvae) and salt-marsh caterpillar use 1 to 2 pts. per acre. Do not treat within 7 days of harvest.

CHEESE: For control of aphids use 1/2 to 1 pt. per acre. For control of dipterous leafminer (adults), lyras bug, salt-marsh caterpillar, leafminer, cabbage loopers and nites use 1 to 2 pts. per acre. Do not treat within 7 days of harvest. For hard to kill insects, including aphids, use 2 pts. per acre, but do not treat within 5 days of harvest.

COLTS (1 LB. B. SALT AND 10 PPM) FOR GRASS ONLY: For control of aphids use 1/2 to 2 pts. per acre. Do not treat within 1 day of harvest.

CUCUMBERS (CUTTING): For control of aphids use 1/2 to 1 pt. per acre. For control of grasshoppers, leaf hoppers and nites use 1 to 2 pts. per acre. Do not treat within 7 days of harvest.

EGGPLANT, PEPPERS: For control of aphids use 1/2 to 1 pt. per acre. For control of grasshoppers, leafhoppers and nites use 1 to 2 pts. per acre. Do not treat within 7 days of harvest.

LETTUCE: For control of aphids use 1/2 to 1 pt. per acre. For control of corn earworm, cutworm (larvae), flies, tomato leaf miner (adults), cabbage looper, imported cabbageworm, armyworm, diamond-back moth, salt-marsh caterpillar, salt-marsh caterpillar and nites use 1 to 2 pts. per acre. Do not treat within 7 days of harvest. For hard to kill insects, including aphids, use 2 pts. per acre, but do not treat within 7 days of harvest.

PEAS (CUTTING) AND PEAHAY: For control of aphids use 1/2 to 1 pt. per acre. For control of grasshoppers, leafhoppers, nites, cutworm, diamond-back moth, armyworm, salt-marsh caterpillar, salt-marsh caterpillar, salt-marsh caterpillar and nites use 1 to 2 pts. per acre. For control of grasshoppers (adults), cutworm, cabbage looper, diamond-back moth, armyworm, salt-marsh caterpillar, salt-marsh caterpillar, salt-marsh caterpillar and nites use 1 to 2 pts. per acre. Do not treat within 7 days of harvest.

SPINACH: For control of aphids use 1/2 to 1 pt. per acre. For control of grasshoppers, leafhoppers, nites, cutworm, diamond-back moth, armyworm, salt-marsh caterpillar, salt-marsh caterpillar, salt-marsh caterpillar and nites use 1 to 2 pts. per acre. Do not treat within 7 days of harvest.

SWISS CHARD: For control of aphids use 1/2 to 1 pt. per acre. For control of grasshoppers, leafhoppers, nites, cutworm, diamond-back moth, armyworm, salt-marsh caterpillar, salt-marsh caterpillar, salt-marsh caterpillar and nites use 1 to 2 pts. per acre. Do not treat within 7 days of harvest.

Agricultural Chemicals Division

PHOSDRIN E.C. (3.9% a.s.f.)

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USE IN GREENHOUSES

LEAF: For control of aphids, whiteflies, and other sucking insects use 2 pts. per acre. Do not treat within 1 day of harvest.

POPPERS: For control of aphids, whiteflies, and other sucking insects use 1 pt. per acre. Do not treat within 1 day of harvest.

SPINACH: For control of aphids use 1/2 to 1 pt. per acre. For control of cabbage looper, imported cabbageworm, grasshopper, leafminer (adult), cutworm (cabbageworm), caterpillar (cabbageworm), false chinch bug use 1 to 2 pts. per acre. Do not treat within 1 day of harvest. To kill insects, including aphids, use 1 pt. per acre, but do not treat within 7 days of harvest.

SUMMER SQUASH: For control of aphids use 1/2 to 1 pt. per acre. For control of cabbage looper, imported cabbageworm, grasshopper, leafminer (adult), cutworm (cabbageworm), caterpillar (cabbageworm), false chinch bug, salt-marsh caterpillar, cutworm (cabbageworm), grasshopper use 1 to 2 pts. per acre. Do not treat within 1 day of harvest.

TOMATO (GREENHOUSE): For control of aphids use 1/2 to 1 pt. per acre. For control of grasshoppers, leafminers and whiteflies use 1 to 2 pts. per acre. Do not treat within 1 day of harvest.

TURNIP: For control of aphids use 1/2 to 1 pt. per acre. For control of cabbage looper, imported cabbageworm, grasshopper, leafminers, whiteflies, false chinch bug and caterpillar (cabbageworm) use 1 to 2 pts. per acre. Do not treat within 3 days of harvest.

GREENHOUSE

Diluted PHOSDRIN E.C. (3.9% a.s.f.) (soluble concentrate) should be applied in a closed greenhouse (close all doors, windows, and ventilators). Lock or barricade all entrances except ventilators, and take whatever precautions are necessary to prevent wind-blown dust from entering the greenhouse from the treated area. Do not wear a full-face mask of a type found suitable for avian or (if used) insecticide protection.

Apply any time that the greenhouse ventilators can remain closed for two hours without endangering crop production to permanent, such as early morning, cloudy days or late afternoon. After application, in order to keep the air clear, the greenhouse should stay closed at least two hours, then ventilate the enclosure thoroughly for an hour before re-planting. If application is made in the late afternoon, the house can be kept closed overnight. On the following morning, ventilate for one hour to remove the residue for regular work.

LEAF (GREENHOUSE): For control of aphids, whiteflies, and other sucking insects use 2 pts. per acre. Do not treat within 1 day of harvest. For control of cabbage looper, imported cabbageworm, grasshopper, leafminer (adult), cutworm (cabbageworm), caterpillar (cabbageworm), false chinch bug, salt-marsh caterpillar, cutworm (cabbageworm), grasshopper use 1 to 2 pts. per acre. Do not treat within 1 day of harvest.

Agricultural Chemicals Division

HEWLETT 3.0. (2 lb./gal.)

USE AND APPLICATION INFORMATION (Cont'd.)

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PRECAUTIONS

SEWAGE PLANTS: HEWLETT 3.0. may be used to control house flies (filter flies) larvae and pupae by treating sewage flowing to trickling filters, add 2.0 fluid ozs. per 100 gal. of sewage flowing over the filters. For control of house flies (filter flies), larvae and pupae by treating sewage in flooded trickling filters, close the gate from the filter to the secondary clarifier and raise the sewage level in the filter to the rock surface. Add 2.0 fluid ozs. per 100 gal. of sewage. Add at a number of points around the sides of the filter. Allow the agitator of the filter to make several revolutions for distribution of the material. The contact period of HEWLETT 3.0. insecticide is governed by the extent of infestation; however, the time should never be less than 5 hours. At the end of the contact period, the filter can be returned to normal operation by opening the gate from the filter to the secondary clarifier. See also directions contained in Small Insecticide Bulletin 20: (9-76) "HEWLETT 3.0. Insecticide For Controlling House Flies (Filter Flies) A Pest Occurring at the Trickling Filters of Sewage Disposal Plants".

PRECAUTIONS IN USE

HEWLETT 3.0. IS SWALLOWED, BREATHED OR ABSORBED THROUGH SKIN, RAPIDLY ABSORBED THROUGH SKIN. HEWLETT 3.0. IS TOXIC TO FISH AND AQUATIC LIFE, WITHOUT TREATMENT, PROGRESSIVELY DECREASES SUSCEPTIBILITY TO THE TOXIC EFFECTS OF POISONING.

Do not swallow or get in eyes, on skin, or on clothing. Do not breathe vapor. Do not contaminate food or feed products. Keep away from heat or open flame.

Wear clean rubber gloves, clean protective clothing, and goggles or face shield. Remove gloves frequently and destroy used gloves. Use a tank or a container of a type found adequate for revolving (rolling) in oil field protection.

Wash thoroughly with soap and water after handling and before eating or drinking. If the material gets in the eyes, flush into a stream with water for at least 10 minutes and seek medical attention. In case of contact, remove all contaminated clothing and wash it with soap and water and launder before reuse.

In case of spillage, wash area with large amount of water. Immediately remove spilled material by absorbing with absorbent material or by using a detergent or other suitable agent.

Do not apply or use HEWLETT 3.0. near open flames or fire. Do not use HEWLETT 3.0. in areas where it may be in contact with food or feed. Do not use HEWLETT 3.0. in areas where it may be in contact with children.

Agricultural Chemicals Division

PHOSDRIN E.C. (7.13./gal.)

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PRECAUTIONS IN USING (Cont'd.)

This product is poisonous to fish and wildlife. Keep out of lakes, ponds and streams. Do not apply in any manner not specified on the label.

DECORATING: Do not use for painting. Do not take for any purpose. Decontaminate container by washing thoroughly with a strongly alkaline detergent solution, then rinsing with water. Discard or rinse in a way as not to constitute a hazard or contaminate water supplies.

Destroy container by crushing or puncturing; then bury, or burn; if burned stay out of smoke.

NOTE: Caution! Avoid skin and eye contamination when handling strong caustic solutions.

FIRST AID AND FIRST AID MEASURES

ATROPHY: If you or anyone else has been exposed to PHOSDRIN E.C. in any form, consult your physician about obtaining an adequate supply of 1/100-grain atropine tablets for emergency use. CALL A PHYSICIAN IN ALL CASES OF SUSPECTED ATROPHY.

INHALATION: If the material has been swallowed, induce vomiting immediately. This may be done by introducing a finger into the throat or giving warm salt water (1 teaspoon of salt to a glass of water). DO NOT GIVE ANYTHING BY MOUTH IN AN UNCONSCIOUS PATIENT.

EXPOSURE: If the material has been spilled on the skin, immediately remove patient from the vicinity of the insecticide, remove all contaminated clothing, and wash skin with cool, running water. If the material has entered the eyes, wash immediately with running water for at least ten minutes.

IF SWALLOWING SYMPTOMS APPEAR: Administer two 1/100-grain atropine tablets immediately. DO NOT GIVE MORE THAN ONE BALANCE TABLET OF ATROPINE. (See SYMPTOMS below). Keep patient warm and quiet. Start artificial respiration immediately if patient is not breathing. Transport the patient immediately to the nearest physician.

NOTE TO PHYSICIAN

WARNING SYMPTOMS: These may include weakness, headache, dizziness, blurred vision, dryness of the mouth, difficulty swallowing, nausea, vomiting, diarrhea, and convulsions.

SYMPTOMS: Atrophy is the result of a cholinergic excess of acetylcholine which causes a variety of symptoms. In the early stages of atrophy, the patient may experience a feeling of fullness in the stomach, a feeling of pressure in the chest, a feeling of tightness in the throat, a feeling of heaviness in the eyelids, a feeling of difficulty in breathing, a feeling of difficulty in swallowing, a feeling of difficulty in urinating, a feeling of difficulty in defecating, a feeling of difficulty in seeing, a feeling of difficulty in hearing, a feeling of difficulty in speaking, a feeling of difficulty in moving, a feeling of difficulty in thinking, a feeling of difficulty in feeling, a feeling of difficulty in knowing, a feeling of difficulty in being, a feeling of difficulty in doing, a feeling of difficulty in having, a feeling of difficulty in wanting, a feeling of difficulty in needing, a feeling of difficulty in using, a feeling of difficulty in enjoying, a feeling of difficulty in suffering, a feeling of difficulty in dying.

Agricultural Chemicals Division

PHOSPHENIA E.C. (2 lb./gal.)

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NOTICE OF WARRANTY

SHELL CHEMICAL COMPANY MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PURPOSE, OR MERCHANTABILITY, FOR USE OR UNLAWFUL CONDUCT OF THIS PRODUCT OR ITS USES WHICH IS AND BEYOND THE USE OF THE PRODUCT UNDER NORMAL CONDITIONS IN ACCORD WITH THE STATEMENTS MADE ON THIS LABEL.