

[201-289]  
1042



# Phosdrin<sup>®</sup> 4 EC

## EMULSIBLE CONCENTRATE

**NET CONTENTS:  
5 GALLONS**

(Con  
Ingr  
(ORGANIC P  
ACTIVE INGR  
alpha Isom  
-methy  
Related C  
Petroleum  
INERT INGR  
\* Equivalent to  
USDA Reg. N

SEE ANTI

SHELL CHEMICAL COMPANY. A Division of Shell Oil Company, AG ICULTURA



# Phosdrin<sup>®</sup> 4 EC EMULSIBLE CONCENTRATE

**(Contains 4.0 lbs. Active Ingredient Per Gallon)**

(ORGANIC PHOSPHATE COMPOUND MIXTURES, LIQUID N. O. S.)

| ACTIVE INGREDIENTS  | BY WEIGHT     |
|---|---------------|
| alpha isomer of 2-carbomethoxy-1-methylvinyl dimethyl phosphate | 28.3%*        |
| Related Compounds   | 18.8%*        |
| Petroleum Hydrocarbons (xylene)                                 | 47.9%         |
| <b>INERT INGREDIENTS</b>  | <b>5.0%</b>   |
| <b>TOTAL</b>  | <b>100.0%</b> |

\* Equivalent to 47.1%w PHOSDRIN Insecticide

USDA Reg. No. 201-289

U.S. Patent No. 2,685,552



**DANGER! POISON**

SEE ANTIDOTE AND OTHER PRECAUTIONS ON SIDE PANEL

SHELL CHEMICAL COMPANY. A Division of Shell Oil Company, AGRICULTURAL DIVISION, SAN RAMON, CA. 94583

UCTS  
ROP  
E  
N



# Phosdrin<sup>®</sup> 4 EC

## Read the Directions Carefully and Follow Them at all Times USE AND APPLICATION DIRECTIONS

Shell PHOSDRIN 4 EC 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 3 to 10 gallons of 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 Insecticide Emulsible Concentrate to obtain same dosage per acre as recommended for full coverage application.

**FIELD AND VEGETABLE CROPS:** Use 10-125 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 application and safe re-entry to the treated field.

### FRUIT AND NUT CROPS

**APPLES, PEACHES, PEAR, PLUMS:** For control of aphids and mites use 1/4 to 1/2 pt. per 100 gals. water. Do not exceed 1,200 gallons of finished spray per acre on apples and pears when 1/2 pt. is used. For control of grasshoppers, lygus bugs and red-banded leafroller use 1/2 to 1 pt. per 100 gals. water. Do not exceed 1,100 gallons of finished spray per acre on apples and pears when 1/2 pt. is used. Do not treat within 1 day of harvest.

**CHERRIES (SOFT ONLY):** For control of aphids and mites use 1/2 to 1 pt. per 100 gals. water. Do not treat within 2 days of harvest.

**CITRUS, ORANGES, LEMONS, GRAPEFRUIT:** For control of aphids use 1 to 2 pt. 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 cutworm, variegated cutworm and pink scraper caterpillar use 2 qt. per acre in 1200 gals. water. Allow at least 7 days between applications. Do not treat within 1 day of harvest.

**GRAPES:** For control of aphids use 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 1/4 to 1/2 pt. per 100 gals. water. For control of mites, leafhoppers, fruit tree leafroller and orange tortrix use 1/2 to 1 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 grasshoppers, strawberry leafroller, 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 all hard to kill insects, including aphids and mites, use 1 qt. per 100 gals. water, but do not treat within 7 days of harvest.

**WALNUTS:** For control of aphids use 1/4 to 1/2 pt. per 100 gals. water. For control of grasshoppers, omnivorous looper, orange tortrix, fruit tree leafroller, and Western tussock moth use 1/2 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 1/4 to 1/2 pt. per acre. For control of grasshoppers, leafhoppers, cutworms (climbing), mites, alfalfa weevil larvae, lygus bugs use 1/2 to 1 pt. 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 1 pt. per acre. Do not treat within 1 day of harvest.

**MUSTARD GREENS, TURNIP TOPS:** For control of aphids use 1/4 to 1/2 pt. per acre. For control of cabbage looper, imported cabbage worm, false chinch bug, dipterous leafminer (adult), grasshoppers, leafhoppers and mites use 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 1/4 to 1/2 pt. per acre. For control of grasshoppers, leafhoppers, mites and cutworms (climbing) use 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 1/4 to 1/2 pt. per acre. For control of corn earworm and webworm use 1/2 to 1 pt. per acre. For control of fall armyworms use 1 pt. per acre. Do not treat within 3 days of harvest.

### VEGETABLE CROPS

**ARTICHOKES:** For control of aphids use 1/4 to 1/2 pt. per acre. For control of plume moth use 1 to 2 pts. 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 grasshoppers, leafhoppers, mites and Mexican bean beetle 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, cutworm (climbing), dipterous leafminer (adult), false chinch bug, grasshoppers, imported cabbage worm, leafhopper, mites and salt-marsh caterpillar use 1/2 to 1 pt. per acre. Do not treat within 3 days of harvest.

**BROCCOLI, CABBAGE:** For control of aphids use 1/4 to 1/2 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 1/2 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.

**BRUSSELS SPROUTS, CAULIFLOWER, COLLARDS, KALE:** For control of aphids use 1/4 to 1/2 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 1/2 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 1/4 to 1/2 pt. per acre. For control of leafhoppers, lygus bugs, mites, cabbage looper, dipterous leafminer (adult), cutworm (climbing) 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, salt-marsh caterpillar, leafhopper, cabbage loopers and mites 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 5 days of harvest.

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

**CUCUMBERS (OUTDOOR):** For control of aphids use 1/4 to 1/2 pt. per acre. For control of grasshoppers, 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 grasshoppers, 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 earworm, cutworms (climbing), dipterous leafminer (adult), cabbage looper, imported cabbage worm, grasshoppers, mites, lygus bugs, salt-marsh caterpillar, false chinch bug and thrips use 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 CANTALOUPE, HONEY-Dew MELONS, MUSKMELONS, WATERMELONS):** For control of aphids use 1/4 to 1/2 pt. per acre. For control of cabbage looper, dipterous leafminer (adult), leafhoppers, lygus bugs, mites, false chinch bugs, salt-marsh caterpillars, cutworms (climbing) and grasshoppers use 1/2 to 1 pt. per acre. To control ringworms (cabbage looper, cutworms, salt-marsh caterpillars, tobacco budworms) on watermelons apply 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 1/4 to 1/2 pt. per acre. For control of cutworms (climbing), corn earworms, green stink bug, mites and velvet bean caterpillar use 1/2 to 1 pt. per acre. Do not treat within 1 day of harvest.

**ONIONS (INCLUDING GREEN ONIONS):** For control of aphids and cutworms (climbing) use 1/2 to 1 pt. per acre. Do not treat within 1 day of harvest.

**PARSLEY:** For control of aphids apply 1 to 2 pints (0.5 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 10-15 gallons of water per acre by air application. For light infestations use lower dosage of 1 pint (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 pints (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 harvests.

**PEAS (INCLUDING VINES):** For control of aphids use 1/4 to 1/2 pt. per acre. For control of grasshoppers, leafhoppers, mites and cutworms (climbing) 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 grasshoppers, leafhoppers and mites use 1/2 pt. per acre. Do not treat within 1 day of harvest.

**SPINACH:** For control of aphids use 1/4 to 1/2 pt. per acre. For control of cabbage looper, imported cabbage worm, grasshoppers, leafhoppers, mites, dipterous leafminer (adult), cutworms (climbing), salt-marsh caterpillar and false chinch bug use 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 4 days 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 bugs, mites, false chinch bugs, salt-marsh caterpillar, cutworms (climbing) and grasshoppers 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 grasshoppers, leafhopper and mites use 1/2 to 1 pt. per acre. Do not treat within 1 day of harvest.

**TURNIPS:** For control of aphids use 1/4 to 1/2 pt. 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 pt. per acre. Do not treat within 3 days of harvest.

### GREENHOUSE

Diluted PHOSDRIN 4 EC 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 Insecticide) protection. Apply any time that 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):** For control of aphids, corn earworms, cutworms (climbing), 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 pts. per 50,000 sq. ft. Do not treat within 10 days of harvest.

### DANGER

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.

Wear clean rubber gloves, clean protective clothing, and goggles or face shield. Replace gloves frequently and destroy used gloves. Wear a mask or respirator of a type found adequate for mevinphos (PHOSDRIN Insecticide) protection. Wash thoroughly with soap and water after handling and before eating or smoking. If the material gets into the eyes, immediately flush with water for at least 10 minutes and get medical attention. In case of contact, remove all contaminated clothing and wash skin with soap and water; wash clothing before reuse.

In case of spillage, wash down with large amounts of water. Decontaminate areas and equipment by washing with a concentrated solution of alkali and detergent and rinse with water.

Not for use or storage in or around the home. Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals. Unprotected humans or animals should be kept out of treated fields on the day of treatment. Do not apply when weather conditions favor drift from areas treated. Do not apply where runoff is likely to occur.

This product is poisonous to fish and wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, ponds and streams. Do not apply in any manner not specified on the label.

**DECONTAMINATE AND DESTROY USED CONTAINERS.** Do not reuse for any purpose. Decontaminate containers by washing thoroughly with a strongly alkaline detergent solution and rinsing with water. Dispose of rinsings in a way not to constitute a hazard or contaminate water supplies.

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

**Note: DANGER!** Avoid skin and eye contamination when handling strong caustic solutions.



# Phosdrin<sup>®</sup> 4 EC

at within 5 days of harvest.  
 For control of aphids use 1/4 to 1/2 pt. per acre. For control of grasshoppers, leafhoppers, and salt-marsh caterpillar use 1/2 to 1 pt. per acre. Do not treat within 3 days of harvest.

For control of aphids and mites use 100 gals. water. For control of grasshopper, leafhopper, salt-marsh caterpillar use 1/2 to 1 pt. per 100 gals. water. Do not treat within 7 days of harvest.  
 For control of aphids use 1/4 to 1/2 pt. per 100 gals. water. Do not treat within 7 days of harvest.  
 For control of aphids, omnivorous trix, fruit tree leafminer, and Western fruit tree leafminer use 1/4 to 1/2 pt. per 100 gals. water. Do not treat within 7 days of harvest.

## FIELD CROPS

For control of aphids and alfalfa caterpillar use 1/4 to 1/2 pt. per acre. For control of grasshoppers, cutworms (climbing), mites, and lygus bugs use 1/2 to 1 pt. per acre. Do not treat within 1 day of harvest.  
**PEAS AND PEAPODS (FORAGE ONLY):** For control of aphids use 1/4 to 1/2 pt. per acre. Do not treat within 1 day of harvest.

**TURNUP TOPS:** For control of aphids use 1/4 to 1/2 pt. per acre. For control of cabbage looper, imported cabbage worm, false chinch bug, grasshopper, leafhopper, mites, and thrips use 1/2 to 1 pt. per acre. Do not treat within 1 day of harvest.

**FORAGE ONLY:** For control of aphids use 1/4 to 1/2 pt. per acre. For control of grasshoppers, leafhoppers, and cutworms (climbing) use 1/2 to 1 pt. per acre. Do not treat within 1 day of harvest.  
**FORAGE AND GRAIN:** For control of aphids use 1/4 to 1/2 pt. per acre. For control of corn earworm use 1/2 to 1 pt. per acre. For control of cutworms use 1 pt. per acre. Do not treat within 1 day of harvest.

## VEGETABLE CROPS

For control of aphids use 1/4 to 1/2 pt. per acre. For control of plum moth use 1 to 2 pints. Do not treat within 2 days of harvest.  
 For control of aphids use 1/4 to 1/2 pt. per acre. For control of grasshoppers, leafhoppers, mites, and thrips use 1/2 to 1 pt. per acre. Do not treat within 1 day of harvest.

**TOPS:** For control of aphids use 1/4 to 1/2 pt. per acre. For control of cabbage looper, cutworm, dipterous leafminer (adult), false chinch bug, grasshopper, imported cabbage worm, and salt-marsh caterpillar use 1/2 to 1 pt. per acre. Do not treat within 3 days of harvest.  
**OKRA:** For control of aphids use 1/4 to 1/2 pt. per acre. For control of cutworms (climbing), corn earworm, green stink bug, mites and velvet bean caterpillar use 1/2 to 1 pt. per acre. Do not treat within 1 day of harvest.

cabbage worm, grasshoppers, leafhoppers, salt-marsh caterpillar, mites, cutworms (climbing), dipterous leafminer (adult) and lygus bugs use 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.

**BRUSSELS SPROUTS, CAULIFLOWER, COLLARDS, KALE:** For control of aphids use 1/4 to 1/2 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 1/2 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 1/4 to 1/2 pt. per acre. For control of leafhoppers, lygus bugs, mites, cabbage looper, dipterous leafminer (adult), cutworm (climbing) 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, salt-marsh caterpillar, leafhopper, cabbage looper and mites 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 5 days of harvest.

**CORN (FIELD, SWEET AND POPCORN) FOR GRAIN ONLY:** For control of aphids use 1/4 to 1/2 pt. per acre. Do not treat within 1 day of harvest.

**CUCUMBERS (OUTDOOR):** For control of aphids use 1/4 to 1/2 pt. per acre. For control of grasshoppers, 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 grasshoppers, 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 earworm, cutworms (climbing), dipterous leafminer (adults), cabbage looper, imported cabbage worm, grasshoppers, mites, lygus bugs, salt-marsh caterpillar, false chinch bug and thrips use 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, HONEY-DW MELONS, MUSKMELONS, WATERMELONS):** For control of aphids use 1/4 to 1/2 pt. per acre. For control of cabbage looper, dipterous leafminer (adult), leafhoppers, lygus bugs, mites, false chinch bugs, salt-marsh caterpillars, cutworms (climbing) and grasshoppers use 1/2 to 1 pt. per acre. To control rindworms (cabbage looper, cutworms, salt-marsh caterpillars, tobacco budworms) on watermelons apply 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 1/4 to 1/2 pt. per acre. For control of cutworms (climbing), corn earworm, green stink bug, mites and velvet bean caterpillar use 1/2 to 1 pt. per acre. Do not treat within 1 day of harvest.

**ONIONS (INCLUDING GREEN ONIONS):** For control of aphids and cutworms (climbing) use 1/2 to 1 pt. per acre. Do not treat within 1 day of harvest.

**PARSLEY:** For control of aphids apply 1 to 2 pints (0.5 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 10-15 gallons of water per acre by air application. For light infestations use lower dosage of 1 pint (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 pints (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 harvests.

**PEAS (INCLUDING VINES):** For control of aphids use 1/4 to 1/2 pt. per acre. For control of grasshoppers, leafhoppers, mites and cutworms (climbing) 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 grasshoppers, 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, imported cabbage worm, grasshoppers, leafhoppers, mites, dipterous leafminer (adult), cutworms (climbing), salt-marsh caterpillar and false chinch bug use 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 4 days 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 bugs, mites, false chinch bugs, salt-marsh caterpillar, cutworms (climbing) and grasshoppers 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 grasshoppers, leafhopper and mites use 1/2 to 1 pt. per acre. Do not treat within 1 day of harvest.

**TURNUPS:** For control of aphids use 1/4 to 1/2 pt. 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 pt. per acre. Do not treat within 3 days of harvest.

## GREENHOUSE

Diluted PHOSDRIN 4 EC 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 insecticide) protection. Apply any time that 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):** For control of aphids, corn earworm, cutworms (climbing), 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 sq. ft. Do not treat within 10 days of harvest.

## DANGER

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.

Wear clean rubber gloves, clean protective clothing, and goggles or face shield. Replace gloves frequently and destroy used gloves. Wear a mask or respirator of a type found adequate for mevinphos (PHOSDRIN insecticide) protection. Wash thoroughly with soap and water after handling and before eating or smoking. If the material gets into the eyes, immediately flush with water for at least 10 minutes and get medical attention. In case of contact, remove all contaminated clothing and wash skin with soap and water; wash clothing before reuse.

In case of spillage, wash down with large amounts of water. Decontaminate areas and equipment by washing with a concentrated solution of alkali and detergent and rinse with water.

Not for use or storage in or around the home.

Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals. Unprotected humans or animals should be kept out of treated fields on the day of treatment. Do not apply when weather conditions favor drift from areas treated. Do not apply where runoff is likely to occur.

This product is poisonous to fish and wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, ponds and streams. Do not apply in any manner not specified on the label.

**DECONTAMINATE AND DESTROY USED CONTAINERS.** Do not reuse for any purpose. Decontaminate containers by washing thoroughly with a strongly alkaline detergent solution and rinsing with water. Dispose of rinsings in a way not to constitute a hazard or contaminate water supplies.

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

**Note: DANGER!** Avoid skin and eye contamination when handling strong caustic solutions.

## AN IDIOTE AND FIRST AID TREATMENT

ATROPINE IS THE EMERGENCY ANTIDOTE FOR PHOSDRIN INSECTICIDE POISONING. CALL A PHYSICIAN IN ALL CASES OF SUSPECTED POISONING.

**INTERNAL:** If the material has been swallowed, induce vomiting immediately. This may be done by introducing a finger into the throat or by giving warm salt water (1 tablespoon of salt to a glass of water). NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

**EXTERNAL:** 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 soap and running water. If the material gets into the eyes, wash immediately with running water for at least ten minutes.

**IF WARNING SYMPTOMS APPEAR:** (See WARNING SYMPTOMS below). Keep patient prone and quiet. Start artificial respiration immediately if patient is not breathing. Transport patient immediately to the nearest hospital.

## NOTE TO PHYSICIAN

**WARNING SYMPTOMS:** Symptoms include weakness, headache, tightness in chest, blurred vision, non-reactive pin-point pupils, salivation, sweating, nausea, vomiting, diarrhea, and abdominal cramps.

**TREATMENT:** Atropine is the specific therapeutic of choice against parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation, atropine sulfate should be injected at 10 minute intervals, in doses of 1 to 2 milligrams, until complete atropinization has occurred.

Pralidoxime chloride (2-PAM chloride) may also be used as an effective antidote in addition to and while maintaining full atropinization. In adults, an initial dose of 1 gram of 2-PAM should be injected, preferably as an infusion in 50 cc of saline over a 15 to 30 minute period. If this is not practical, 2-PAM may be administered slowly by intravenous injection as a 5 percent solution in water over not less than two 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 blood test.

## NOTICE OF WARRANTY

SHELL CHEMICAL COMPANY MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PURPOSE, OR OTHERWISE, EXPRESS OR IMPLIED concerning this product or uses which extend beyond the use of the product under normal conditions in accord with the statements made on this label.