

READ THE DIRECTIONS CAREFULLY AND FOLLOW THEM AT ALL TIMES.

**USE AND APPLICATION DIRECTIONS**

**DURAPHOS 10.3** can be used in conventional hydraulic sprayers, backpack sprayers, and mist blower sprayers. Use this product only in the following manner: Do not use in mist blower sprayers. Do not use in backpack sprayers. Do not use in mist blower sprayers. Do not use in mist blower sprayers.

Mix with water by vigorous agitation. Apply when insect first appear and repeat application as necessary to obtain control. Apply in a suitable volume of water to give uniform coverage of foliage. For application by airplane, dilute the product with 3 to 10 gallons of water per acre.

**FRUIT AND NUT CROPS:** Use recommended dosages of 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 **DURAPHOS 10.3** 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 any crops not intended for spraying. Dosages are expressed in fluid ounces.

**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, PEARS, PLUMS:** For control of aphids and mites use 1½ to 3 ounces per 100 gallons water. For control of grasshoppers, cutworms (climbing), mites, alfalfa weevil larvae and lygus bugs use 3 to 6 ounces per 100 gallons water. Do not exceed 1,200 gallons of finished spray per acre on apples and pears for the 3 ounces per 100 gallons of water dosage; do not exceed 900 gallons per acre of finished spray on apples and pears for the 4 ounces per 100 gallons of water dosage. Do not treat within 1 day of harvest. Do not exceed 750 gallons finished spray per acre on peaches or plums.

**CHERRIES (SOUR ONLY):** For control of aphids and mites use 3 to 4 ounces per 100 gallons water. Do not treat within 2 days of harvest. Do not exceed 750 gallons finished spray per acre.

**CITRUS (ORANGES, LEMONS, GRAPEFRUIT):** For control of aphids use 1½ to 3 ounces per 100 gallons water. For control of fruit tree leafhopper, orange tortrix and omnivorous leafroller use 1½ to 3 ounces per 100 gallons water. For control of citrus red scale, citrus mite, citrus cutworm, variegated cutworm and pink weevil use 25 ounces per acre in 1,000 gallons water. Do not treat within 3 days before applications. Do not treat within 1 day of harvest.

**GRAPES:** For control of aphids use 1½ to 3 ounces per acre. Do not treat within 1 day of harvest. For control of leaf folder, leaf hoppers, mites, and lygus bugs use 5 to 12½ ounces per acre. Do not treat within 3 days of harvest.

**RASPBERRIES:** For control of aphids use 1½ to 3 ounces per 100 gallons water. For control of grasshoppers, cutworms (climbing), mites, alfalfa weevil larvae and lygus bugs use 3 to 6 ounces per 100 gallons water. Do not treat within 1 day of harvest.

**STRAWBERRIES:** For control of aphids use 1½ to 3 ounces per 100 gallons water. For control of grasshoppers, cutworms (climbing), mites, alfalfa weevil larvae and lygus bugs use 3 to 6 ounces per 100 gallons water. Do not treat within 1 day of harvest.

**WALNUTS:** For control of aphids use 1½ to 3 ounces per 100 gallons water. For control of grasshoppers, cutworms (climbing), mites, alfalfa weevil larvae and lygus bugs use 3 to 6 ounces per 100 gallons water. Do not treat within 1 day of harvest.

**FIELD CROPS**

**ALFALFA, CLOVER:** For control of aphids and alfalfa caterpillar use 1½ to 3 ounces per acre. For control of grasshoppers, leafhoppers, cutworms (climbing), mites, alfalfa weevil larvae and lygus bugs use 3 to 6 ounces per acre. Do not treat within 1 day of harvest.

**CORN (FIELD, SWEET, AND POPCORN) for forage only:** For control of grasshoppers, cutworms (climbing), mites, alfalfa weevil larvae and lygus bugs use 1½ to 3 ounces per acre. Do not treat within 1 day of harvest.

**MUSTARD GREENS, TURNIP TOPS:** For control of aphids use 1½ to 3 ounces per acre. For control of cabbage looper, imported cabbage worm, false chinch bug, dipterous leafminer (adult), grasshoppers, cutworms (climbing), mites use 3 to 6 ounces per acre. Do not treat within 3 days of harvest.

**PEA VINES (FOR FORAGE ONLY):** For control of aphids use 1½ to 3 ounces per acre. For control of grasshoppers, leafhoppers, mites and cutworms (climbing), use 3 to 6 ounces per acre. Do not treat within 1 day of harvest.

**SORGHUM (FOR FORAGE AND GRAIN):** For control of aphids use 1½ to 3 ounces per acre. For control of corn earworm and webworms use 3 to 6 ounces per acre. For control of fall armyworms use 5 ounces per acre. Do not treat within 3 days of harvest.

**VEGETABLE CROPS**

**ARTICHOKEs:** For control of aphids use 1½ to 3 ounces per acre. For control of plume moth use 6 to 12½ ounces per acre. Do not treat within 2 days of harvest.

**BEANS:** For control of aphids use 1½ to 3 ounces per acre. For control of grasshoppers, leafhoppers, mites and Mexican bean beetle use 3 to 6 ounces per acre. Do not treat within 3 days of harvest.

**BEETS (INCLUDING TOPS):** For control of aphids use 1½ to 3 ounces 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 3 to 6 ounces per acre. Do not treat within 3 days of harvest.

**BROCCOLI, CABBAGE:** For control of aphids use 1½ to 3 ounces per acre. For control of cabbage looper, imported cabbage worm, grasshoppers, leafhoppers, salt-marsh caterpillars, mites, cutworms (climbing), dipterous leafminer (adult) and lygus bugs use 3 to 6 ounces per acre. Do not treat within 1 day of harvest. In certain areas where these insects, including aphids, are not adequately controlled at the dosages recommended above, use 12½ ounces per acre, but do not treat within 3 days of harvest.

**BRUSSELS SPROUTS, CAULIFLOWER, COLLARDS, KALE:** For control of aphids use 1½ to 3 ounces 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 3 to 6 ounces per acre. Do not treat within 3 days of harvest. In certain areas where these insects, including aphids, are not adequately controlled at the dosages recommended above, use 12½ ounces per acre, but do not treat collards and kale within 10 days of harvest.

**CARROTS:** For control of aphids use 1½ to 3 ounces per acre. For control of leafhoppers, lygus bugs, mites, dipterous leafminer, salt-marsh caterpillar and salt-marsh caterpillar use 3 to 6 ounces per acre. Do not treat within 2 days of harvest.

**CELERY:** For control of aphids use 1½ to 3 ounces per acre. For control of dipterous leafminer (adult), lygus bug, salt-marsh caterpillar, leafhoppers, cabbage loopers and mites use 3 to 6 ounces per acre. Do not treat within 3 days of harvest. In certain areas where these insects, including aphids, are not adequately controlled at the dosages recommended above, use 12½ ounces per acre, but do not treat within 5 days of harvest.

**CORN (FIELD, SWEET, AND POPCORN) for grain only:** For control of grasshoppers, cutworms (climbing), mites, alfalfa weevil larvae and lygus bugs use 1½ to 3 ounces per acre. Do not treat within 1 day of harvest.

**DURAPHOS 10.3**  
**Water Soluble Insecticide**

Contains 10.3 lbs. Active Ingredient Per Gallon  
**ORGANIC PHOSPHATE COMPOUND, LIQUID N.O.S.**

**Active Ingredients:**

Alpha Isomer of 2-Carbomethoxy-1-methylvinyl dimethyl phosphate

60%\*

**Related Compounds**

40%\*

\* Equivalent to 100% Mevinphos Insecticide

**TOTAL**

100%\*



**POISON**



**DANGER**

**KEEP OUT OF REACH OF CHILDREN**

**POISONOUS IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN AND EYES, RAPIDLY ABSORBED THROUGH 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 vapor. Do not contaminate food or feed products. Keep away from heat or open flame.

Wear clean natural rubber gloves and waterproof protective clothing, and goggles or face shield. Replace gloves frequently and destroy used gloves. Wear a mask or respirator of a type passed by the U.S. Bureau of Mines for Mevinphos (Duraphos) 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.

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. Do not contaminate water by cleaning of equipment or disposal of wastes.

This product is toxic to birds, fish, shrimp, crab, and other wildlife. Birds and other wildlife in treated areas may be killed. Keep out of any body of water. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. Apply this product only as 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. Keep out of lakes, ponds and streams. Do not apply in any manner not specified on the label. Not for use or storage in or around the home.

**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 as 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—CAUTION:** Avoid skin and eye contamination when handling strong caustic solutions.

SEE ANTIDOTE STATEMENT AND OTHER PRECAUTIONS ON THE BACK/SIDE PANEL.

**GAL. NET**

**AMVAC CHEMICAL CORPORATION**

4100 E. WASHINGTON BLVD. LOS ANGELES, CALIFORNIA 90023  
EPA REG. NO. 5481-161-AA

0474

CUCUM  
per acre  
3 to 6

EGGPLA  
per acre  
3 to 6

LETTUC  
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mites,  
thrips,  
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TURNIP  
control  
Do not

# DURAPHOS 10.3

## Water Soluble Insecticide

Contains 10.3 lbs. Active Ingredient Per Gallon  
ORGANIC PHOSPHATE COMPOUND, LIQUID N.O.S.

Ingredients:	
Isomer of 2-Carbomethoxy-1-methylvinyl phosphate	60%*
Impurities	40%*
100% Mevinphos Insecticide	TOTAL 100%*



# POISON

## DANGER

### KEEP OUT OF REACH OF CHILDREN

IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN  
RAPIDLY ABSORBED THROUGH SKIN, REPEATED INHALATION  
OR SKIN CONTACT MAY, WITHOUT SYMPTOMS, PROGRESSIVELY  
INCREASE SUSCEPTIBILITY TO PHOSDRIN INSECTICIDE POISONING.

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

Wash hands, face, neck, and rubber gloves and waterproof protective clothing, and goggles or face shield. Replace and destroy used gloves. Wear a mask or respirator of a type passed by the U.S. Bureau of Occupational Safety and Health for protection against Mevinphos (Duraphos) protection. Wash thoroughly with soap and water after handling and before smoking. If the material gets into the eyes, immediately flush with water for at least 15 minutes and get medical attention. In case of contact, remove all contaminated clothing and wash immediately with soap and water; wash clothing before reuse.

After use, wash down with large amounts of water. Decontaminate areas and equipment by spraying with a concentrated solution of alkali and detergent and rinse with water.

Do not allow to drift to areas occupied by unprotected humans or beneficial animals. Unprotected humans and animals should be kept out of treated fields on the day of treatment. Do not apply where conditions favor drift from areas treated. Do not apply where runoff is likely to occur. Recycle water by cleaning of equipment or disposal of wastes.

Not toxic to birds, fish, shrimp, crab, and other wildlife. Birds and other wildlife in treated areas should be killed. Keep out of any body of water. Do not apply where runoff is likely to occur. Do not apply where conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. Apply this product only as specified on this label.

Highly toxic to bees exposed to direct treatment or residues on crops. Protective information obtained from your Cooperative Agricultural Extension Service. Keep out of lakes, ponds and streams. Do not apply in any manner not specified on the label. Not for use or storage in or around water.

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

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

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

SEE STATEMENT AND OTHER PRECAUTIONS ON THE BACK/SIDE PANEL.

1 GALLON NET

AMVAC CHEMICAL CORPORATION  
10000 WASHINGTON BLVD. LOS ANGELES, CALIFORNIA 90023  
NO. 5481-161-AA 0474

**CUCUMBERS (OUTDOOR):** For control of aphids use 1½ to 3 ounces per acre. For control of grasshoppers, leafhoppers, and mites use 3 to 6 ounces per acre. Do not treat within 1 day of harvest.

**EGGPLANT, PEPPERS:** For control of aphids use 1½ to 3 ounces per acre. For control of grasshoppers, leafhoppers and mites use 3 to 6 ounces per acre. Do not treat within 2 days of harvest.

**LETTUCE:** For control of aphids use 1½ to 3 ounces per acre. For control of corn earworm, cutworm (climbing), dipterous leafminer (adult), cabbage looper, imported cabbage worm, grasshoppers, mites, lygus bugs, salt-marsh caterpillar, false chinch bug and thrips use 3 to 6 ounces per acre. Do not treat within 2 days of harvest. In certain areas where these insects, including aphids, are not adequately controlled at the dosages recommended above, use 12½ ounces per acre, but do not treat within 4 days of harvest.

**MELONS (INCLUDING CANTALOUPE, HONEY-DEW MELONS, MUSKMELONS, WATERMELONS):** For control of aphids use 1½ to 3 ounces 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 3 to 6 ounces per acre. To control rindworms (cabbage looper, cutworms, salt-marsh caterpillar, tobacco budworms) on watermelons apply 3 ounces per acre. Do not treat cantaloupes, honey-dew melons, muskmelons or watermelons within 1 day of harvest.

**OKRA:** For control of aphids use 1½ to 3 ounces per acre. For cutworms (climbing), corn earworms, green stink bug, mites and velvet bean caterpillar use 3 to 6 ounces per acre. Do not treat within 1 day of harvest.

**ONIONS (INCLUDING GREEN ONIONS):** For control of thrips and cutworms (climbing) use 3 to 6 ounces per acre. Do not treat within 1 day of harvest.

**PEAS (INCLUDING VINES):** For control of aphids use 1½ to 3 ounces per acre. For control of grasshoppers, leafhoppers, mites and cutworms (climbing) use 3 to 6 ounces per acre. Do not treat within 1 day of harvest.

**POTATOES:** For control of aphids use 1½ to 3 ounces per acre. For control of grasshoppers, leafhoppers, mites use 3 ounces per acre. Do not treat within 1 day of harvest.

**SPINACH:** For control of aphids use 1½ to 3 ounces 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 3 to 6 ounces per acre. Do not treat within 4 days of harvest. In certain areas where these insects, including aphids, are not adequately controlled at the dosages recommended above, use 12½ ounces per acre, but do not treat within 7 days of harvest.

**SUMMER SQUASH:** For control of aphids use 1½ to 3 ounces 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 3 to 6 ounces per acre. Do not treat within 1 day of harvest.

**TOMATOES (OUTDOOR):** For control of aphids use 1½ to 3 ounces per acre. For control of grasshoppers, leafhoppers, mites use 3 to 6 ounces per acre. Do not treat within 1 day of harvest.

**TURNIPS:** For control of aphids use 1½ to 3 ounces per acre. For control of cabbage looper, imported cabbage worm, grasshoppers, leafhoppers, mites, false chinch bug and dipterous leafminer (adult) use 3 to 6 ounces per acre. Do not treat within 2 days of harvest.

### GREENHOUSE

Diluted DURAPHOS 10.3 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 that adequately filters Mevinphos. During application, apply 1/2 to 3/4 ounce per acre of the insecticide per acre, depending on the type of pest being controlled. For most insects, a single application is sufficient. For control of aphids, a second application may be necessary.

tion 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, thrips use 6¼ to 14¼ ounces per 50,000 square feet. Do not treat within 10 days of harvest.

### ANTIDOTE 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). Repeat warm salt water until vomit fluid is clear. Have victim lie down and keep quiet. 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 the 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 antagonist 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.

Praloxime chloride (2-PAM) chloride may also be used as a relative antidote in addition to and while maintaining full atropinization. In adults, an initial dose of 1 gram of 2-PAM will be injected, preferably as an intravenous 50% solution over 15 to 30 minute period. If this is not practical, 2-PAM may be administered slowly by intramuscular injection. A second dose of 1 gram of 2-PAM will be injected if the patient's response has not been relieved. For children, initial dose of 2-PAM is 0.25 gram.

Morphine is an antidote for atropine. Clear the patient's airway, administer oxygen, and if necessary, use a resuscitator. Do not give food or fluids. Report to your local health department. Do not use atropine sulfate prolongedly. It is possible to give a single dose of 2-PAM as a parasympathetic inhibitor. Allow no further exposure until adequate treatment has been administered as determined by clinical tests.

**NOTICE:** Amvac Chemical Corporation makes no warranty, express or implied, including the warranties of merchantability and/or fitness for any particular purpose, concerning this material, except those which are contained on Amvac's label.