

# 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.

# DURHAM DURAPHOS 400

## ORGANOPHOSPHORUS INSECTICIDE

### ACTIVE INGREDIENTS:

Alpha Isomer of 2-Carbomethoxy-1-Methylvinyl Dimethyl Phosphate .....	30%
Related Compounds .....	20%
INERT INGREDIENTS: Isopropyl Alcohol .....	50%
	Total 100%

Contains 4 lbs. Mevinphos per Gallon

KEEP OUT OF REACH OF CHILDREN



**DANGER**

**POISON**

**PELIGRO**



RED INK

"PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que le etiqueta haya sido explicada ampliamente."

### STATEMENTS OF PRACTICAL TREATMENT

**IF SWALLOWED** — Call a physician or Poison Control Center immediately. Induce vomiting by giving victim 1 or 2 glasses of water and touching back of throat with finger. Never induce vomiting or give anything by mouth to an unconscious or convulsing person.

**IF INHALED** — Remove victim to fresh air immediately. Apply artificial respiration if indicated. Get medical attention.

**IF IN EYES** — Flush eyes with plenty of water for at least 10 minutes. Get medical attention immediately.

**IF ON SKIN** — Remove contaminated clothing immediately and wash affected area with soap and water. Call a physician immediately. Wash clothing before re-use.

**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.

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 250cc 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.

SEE BACK/SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

ACCEPTED  
APR 7 1966  
Under the  
Fungicide,  
as amended,  
registration and  
EPA Reg. No. 57461-114

EPA Reg. No. 5481-114-AA

EPA Est. No. 5481-CA-1

NET CONTENTS 2½ GALLONS  
**AMVAC CHEMICAL CORPORATION**

4100 E. WASHINGTON BLYD., LOS ANGELES, CALIF. 90023

## HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER: 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 MEVINPHOS (DURAPHOS) 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 flames.

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 Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute of Occupational Safety and Health under the provision of CFR 30 Part II approved for Mevinphos (Duraphos) protection. Wash thoroughly with soap and water after handling and before eating or smoking.

## RE-ENTRY AND WORKER SAFETY 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. Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive re-entry 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 about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily 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 sprays have dried. In case of accidental exposure refer to Statements of Practical Treatment found on this product label.

## ENVIRONMENTAL HAZARDS

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 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.

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.

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.

## PHYSICAL & CHEMICAL HAZARDS

Flammable! Keep away from heat or open flame.

Liquid phases separate at lower temperatures. Warm or store at higher temperatures and mix thoroughly to recombine liquid phases and assure uniformity before use.

## DIRECTIONS FOR USE

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

## STORAGE & DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**STORAGE** — Store product in original container in a cool, dry, locked place out of reach of children.

**PESTICIDE DISPOSAL** — Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot 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, reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved State and local procedures.

## USE DIRECTIONS

Application can be made by aircraft or ground power equipment by trained personnel only using approved protective equipment. Do not apply with hand equipment.

Pour specified amount of this product into nearly filled spray tank. Add balance of water to fill tank. Keep agitator running during filling and spraying operations. If mixture does not mix readily, but tends to separate as an oily layer, do not use as injury to plants may result. Do not combine with wettable powders unless previous use of the mixture has proven physically compatible and safe to plants. Always thoroughly emulsify this product with at least half of total water before adding wettable powder.

**SUGGESTED WATER RATES FOR AIRCRAFT AND GROUND APPLICATION** — The actual rate required to provide thorough, uniform coverage varies with plant growth at time of application. Except as specified for certain uses, the following rates are therefore intended to cover a broad range of conditions:

	Gal. Water/Acre	
Crop	Aircraft	Ground
Vegetable and Field Crops .....	5-20	20-125
Grapes .....	7-25	20-200
Orchard Crops .....	10-20	40-200

**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. For control of grasshoppers, lygus bugs and red-banded leafroller use 1/2 to 3/4 pt. per 100 gals. of water. Do not treat within 1 day of harvest or apply more than 5 pts. per acre on peaches and plums. 6 1/2 pts. per acre on apples and pears. **PEACHES ONLY:** Workers should not be permitted to enter treated areas to engage in any activity requiring substantial contact with treated foliage for 4 days following treatment. When a mixture of two or more organophosphate pesticides is applied, the re-entry interval shall be extended by adding to the longest applicable interval an additional 50% of that interval.

**CHERRIES (SOUR ONLY):** For control of aphids and mites use 1/2 to 3/4 pt. per 100 gals. water. Do not treat within 2 days of harvest or apply more than 5 pts. per acre.

**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 scavenger 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. Workers should not be permitted to enter treated areas to engage in any activity requiring substantial contact with treated foliage for 4 days following treatment. When a mixture of two or more organophosphate pesticides is applied, the re-entry interval shall be extended by adding to the longest applicable interval an additional 50% of that interval.

**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 quart per acre. At the 2 pt. dosage do not treat within 5 days of harvest. Workers should not be permitted to enter treated areas to engage in any activity requiring substantial contact with treated foliage for 4 days following treatment. When a mixture of two or more organophosphate pesticides is applied, the re-entry interval shall be extended by adding to the longest applicable interval an additional 50% of that interval.

**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 hard to kill aphids and mites, use 1 qt. per 100 gals. water, but do not treat within 1 day of harvest or apply more than 1 qt. per acre.

**WALNUTS:** For control of aphids use 1/4 to 1/2 pt. per 100 gals. water. For control of mites, 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 or apply more than 5 pts. per acre.

**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.

**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.

**SUNSHIN (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 aphids, use 1 qt. per acre, but do not treat within 3 days of harvest.

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**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 1 day of harvest.

**CELERY:** For control of aphids use 1/4 to 1/2 pt. per acre. For control of dipterous leafminer (adult), lygus bugs, salt-marsh caterpillar, leafhoppers, cabbage loopers and mites use 1/2 to 1 pt. per acre. Do not treat within 3 days of harvest. For hard to kill 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 pt. per acre. Do not treat within 1 day of harvest.

**CUCUMBERS:** 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 1 day 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 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 cutworms (cabbage looper, cutworms, salt-marsh caterpillars, tobacco budworm) on watermelons apply 1/2 pt. per acre. Do not treat cantaloupe, honey-dew melons, muskmelon or watermelons within 1 day of harvest.

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

**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 aphids use 1 qt. per acre, but do not treat within 7 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.

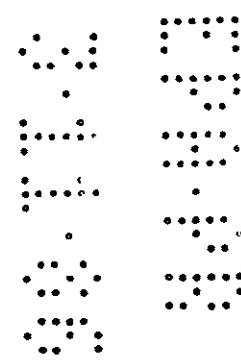
**TOMATOES:** For control of aphids use 1/4 to 1/2 pt. per acre. For control of grasshoppers, leafhopper and mites use 1/2 to 1 pt. per acre. Do not treat within 1 day of harvest.

**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.

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 is not responsible for the use of this product contrary to the label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to the manufacturer and/or seller, and buyer assumes the risk of any such use.

**MIVINPHOS MIXTURE  
LIQUID-POISON B**

**RQ MIVINPHOS NA 2783**



AMENDMENT COPY TO BE ADDED TO THE PRESENTLY APPROVED LABELING  
LAST DATE OF EPA ACCEPTANCE OF PRESENT LABELING: 01/30/85

PROPOSED AMENDMENT COPY

BERMUDAGRASS, GROWN FOR SEED ONLY: To control Fulgorids, White Flies, Mealybugs, and Bank Grass Mites, use 1 1/2 to 2 pints of this product per acre in 5 to 10 gallons of water by Air or 10 to 20 gallons of water if applied by Ground Equipment. Apply when insects first start to appear and cause plant damage. Repeat treatment as necessary to maintain control. An application may be made 7 days prior to harvest.

NOTE: Do not pasture, or use crop refuse or seed cleanings for feed, food, forage or bedding.

