

WARNING
NOTE TO PHYSICIAN

FIRST AID TREATMENT: Atropine is Antidotal. Consult Physician For Emergency Supply.

2 PAM is also antidotal and may be administered in conjunction with atropine. Call a Physician At Once in All Cases of Suspected Parathion Poisoning. Warning Symptoms include weakness, headache, tightness in the chest, blurred vision, nonreactive pin-point pupils, salivation, sweating, nausea, vomiting, diarrhea and abdominal cramps. If symptoms or signs of poisoning include blurred vision, abdominal cramps and tightness in the chest, don't wait for a doctor but give two atropine tablets (each 1 100 gr.) at once. Remove contaminated clothing and wash the skin clean with copious application of soap and water to remove all traces of parathion. Remove patient immediately from area where parathion is present.

IF SWALLOWED, INDUCE VOMITING BY GIVING SALTY WATER WITH ONE TABLESPOON OF SALT PER GLASS OF WARM WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

STOP - READ LABEL BEFORE USING!

POISON
See Side Panels
for Antidote &
Precautions



DANGER
Keep Out of
Reach of
Children

POISON

In case of contact remove contaminated clothing and immediately wash skin with soap and water. Warning: Poisonous if swallowed, inhaled, or absorbed through skin! Rapidly absorbed through skin! Do not get in eyes, on skin, or on clothing. Wear natural rubber gloves, protective clothing and goggles. In case of contact, wash immediately with soap and water. Wear a mask or respirator of a type approved by the U.S. Bureau of Mines for parathion protection. Keep all unprotected persons out of operating area or vicinity where there may be danger of drift. Vacated areas should not be re-entered until drifting insecticide and volatile residues have dissipated. Do not contaminate feed and foodstuffs. Wash hands, arms, and face thoroughly with soap and water before eating or smoking. Wash all contaminated clothing with soap and hot water before re-use.

Workers entering treated fields within 24 hours after application should wear protective clothing. Do not apply when weather conditions favor drift of dust from crop areas treated.

WARNING

This product is toxic to fish and wildlife. Birds feeding on treated areas may be killed. Keep out of any body of water. 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.

Do not graze dairy animals or animals being finished for slaughter in treated fields.

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

DIRECTIONS

BEANS: Use 30 lbs. per acre for control of Mexican Bean Beetle, leafhopper, Aphids, Armyworms, Leaf Roller, and Leaf Miner. Use 25 lbs. per acre for control of Red Spider Mite. Repeat applications at 7 to 10 day intervals until controlled. Do not use more than 50 lbs. per acre per application. Do not apply within 15 days of harvest.

BEEF: Use 50 lbs. per acre for Webworm and Aphid control. Do not use more than 50 lbs. per acre per application. Do not apply within 15 days of harvest. Do not apply within 21 days of harvest if the tops are to be used for feed or food.

CARROT: Use 40 lbs. per acre for control of Aphids. Do not use more than 45 lbs. per acre per application. Do not apply within 15 days of harvest. Do not use treated carrot tops for food or feed.

ACCEPTED
APR 15 1978
Under the Federal Insecticide, Fungicide, and Rodenticide Act, registered under EPA Reg. No. 51002-211



1% PARATHION DUST
FOR USE AS AN AGRICULTURAL INSECTICIDE

ACTIVE INGREDIENT:		
Parathion (O, O diethyl O p nitrophenyl thiophosphate)	1%	
INERT INGREDIENTS	99%	
TOTAL	100%	

Read Entire Label. Use in Strict Accordance With Label Directions and Cautions.

Dealers must sell in original packages only.

NOT FOR USE OR STORAGE IN OR AROUND THE HOME.

MANUFACTURED BY
HELENA CHEMICAL COMPANY
MEMPHIS, TENNESSEE

CABBAGE, BROCCOLI: Control of Do Armyworm. Do not within 7 days of harvest or days of harvest.

CELERY: Use 30 lbs. for control of Aph. not apply within 2

CUCUMBER, SQUASH: Beetle, Melon Worm more than 50 lbs. start to vine crop application on mel

CORN: Use 45 lbs. control of European for proper timing application. Do no

ONION: Use 30 lb. Thrip control. Do not within 15 days of

PEPPER: Use 30 lbs. not use more than harvest

PEAS: Use 25 lbs. acre per applicati

POTATOES: Use 25 for control of Army. Do not apply withi

STRAWBERRIES: Use acre per applicati

TOMATOES: Use 2 than 45 lbs. per a

LEGUMES: Alfalfa lbs. per acre at fu Clover Aphids. A application on for

WARRANTY AND LI
that this material reasonably fit for Conditions of Sale. Chemical Company, other express or agent of Helena C specific reference. warranty shall be commercial dama

DO NOT REUSE EM BURNING. STAY AW
NET WEIGHT

BEST DOCUMENT AVAILABLE

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RESTRICTED USE PESTICIDE

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POISON

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DANGER

Keep Out of Reach of Children



ACCEPTED APR 15 1978 Under the Federal Insecticide, Fungicide, and Rodenticide Act, registered under EPA Reg. No. 5905-210

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MANUFACTURED BY
HELENA CHEMICAL COMPANY
MEMPHIS, TENNESSEE

CABBAGE BROCCOLI BRUSSELS SPROUTS, KALE, MUSTARD: Use 30 lbs. per acre for control of Diamond back Moth, Imported Cabbage worm, Aphids and Armyworm. Do not use more than 50 lbs. per acre per application. Do not apply within 7 days of harvest on Broccoli and Brussels Sprouts. Do not apply within 10 days of harvest on Cabbage, Kale and Mustard.

CELERY: Use 30 lbs. per acre for control of Celery Leafhopper. Use 40 lbs. per acre for control of Aphids. Do not use more than 50 lbs. per acre per application. Do not apply within 21 days of harvest.

CUCUMBER SQUASH MELONS: Use 30 lbs. per acre for control of Cucumber Beetle, Melon Worm, Pickle Worm, Serpentine Leaf Miner and Aphids. Do not use more than 50 lbs. per acre per application. Make no application before plants start to vine or within 15 days of harvest on cucumber and squash. Make no application on melons within 7 days of harvest.

CORN: Use 45 lbs. per acre for European Corn Borer and Armyworm control. For control of European Corn Borer consult your State Agricultural Extension Station for proper timing of treatments. Do not use more than 50 lbs. per acre per application. Do not apply within 12 days of picking, cutting or forage.

ONION: Use 30 lbs. per acre and repeat at weekly intervals as necessary for Thrip control. Do not use more than 60 lbs. per acre per application. Do not apply within 15 days of harvest.

PEPPER: Use 30 lbs. per acre for control of Aphids and Serpentine Leaf Miner. Do not use more than 40 lbs. per acre per application. Do not apply within 15 days of harvest.

PEAS: Use 25 lbs. per acre for Aphid control. Do not use more than 40 lbs. per acre per application. Do not apply within 10 days of harvest.

POTATOES: Use 25 lbs. per acre for Aphids and Leaf Miners. Use 50 lbs. per acre for control of Armyworms. Do not use more than 80 lbs. per acre per application. Do not apply within 5 days of harvest.

STRAWBERRIES: Use 25 lbs. per acre for Thrips. Do not use more than 40 lbs. per acre per application. Do not apply within 14 days of harvest.

TOMATOES: Use 25 lbs. per acre for Aphids and Leaf Miners. Do not use more than 45 lbs. per acre per application. Do not apply within 10 days of harvest.

LEGUMES: Alfalfa, Clover, Vetch, Small Grains (Wheat, Oats and Barley): Use 25 lbs. per acre at first sign of infestation for control of Aphids, including Yellow Clover Aphids, Armyworms, Blister Beetles and Grasshoppers. Make no application on forage crops within 15 days of cutting or forage use.

WARRANTY AND LIMITATION OF DAMAGES. Helena Chemical Company warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use and Conditions of Sale subject to the inherent risks referred to therein. Helena Chemical Company makes no other express or implied warranty, including any other express or implied warranty of **FITNESS** or of **MERCHANTABILITY** and no agent of Helena Chemical Company is authorized to do so except in writing with a specific reference to this warranty. Any damages arising from a breach of this warranty shall be limited to direct damages, and shall not include consequential commercial damages such as loss of profits or value, etc.

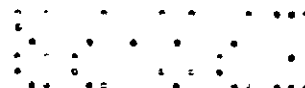
METHYL PARATHION MIXTURE LIQUID

DO NOT REUSE EMPTY CONTAINER. DESTROY IT BY BURYING WITH WASTE OR BURNING. STAY AWAY FROM SMOKE OR FUMES.



NET WEIGHT

EPA Reg. No. 5905-210



BEST DOCUMENT AVAILABLE

Precautionary Statements Hazards to Humans and Domestic Animals



DANGER—POISON

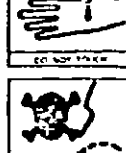
POISONOUS IF SWALLOWED

If swallowed - Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger or blunt object. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.



POISONOUS BY SKIN CONTACT

Poisonous if touched by hands or soiled or soiled on face, in eyes or on clothing (liquid goes through clothes).



POISONOUS IF BREATHED

Breathing vapors, spray mist or dust may be fatal.



STATEMENT OF PRACTICAL TREATMENT POISONING SYMPTOMS

Parathion is a very dangerous poison. It rapidly enters the body by contact with all skin surfaces and eyes. Clothing and other material must be removed immediately. Exposed persons must receive prompt medical treatment or they may die.

Some of the signs and symptoms of poisoning are: headache, nausea, vomiting, cramps, weakness, blurred vision, pin-point pupils, tightness in chest, labored breathing, nervousness, sweating, watering of eyes, drooping or twitching of mouth and nose, muscle spasms and coma.

Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to parathion and describe his condition. If breathing has stopped, start artificial respiration immediately and maintain until doctor sees victim.

IF SWALLOWED - Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger or blunt object. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. See doctor immediately.

NOTE TO PHYSICIAN

ANTIDOTE - Administer atropine sulfate in large doses. TWO TO FOUR mg. intravenously or intramuscularly as soon as cyanosis is overcome. Repeat at 5 to 10 minute intervals until signs of atropinization appear. 2-PAM chloride is also antidotal and may be administered in conjunction with atropine. **DO NOT GIVE MORPHINE OR TRANQUILIZERS.** Parathion is a strong cholinesterase inhibitor affecting the central and peripheral nervous systems and producing cardiac and respiratory depression. At first signs of pulmonary edema the patient should be given supplemental oxygen and treated symptomatically. Continued description of the poison may occur and fatal reactions have been reported after initial improvement. **VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.** Treat symptomatically.

Environmental Hazards

This pesticide is toxic to fish, shrimp, crabs, birds and other wildlife. Birds and other wildlife in treated areas may be killed. Keep out of lakes, streams, or ponds, tidal marshes and estuaries. Shrimp and crabs may be killed at application rates recommended on this label. Do not apply where there are important resources. Do not apply where there is a risk of drift to water used for irrigation or domestic purposes. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as directed on this label.

This pesticide 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 and Chemical Hazards

DO NOT USE, POUR, SPILL, OR STORE NEAR HEAT OR OPEN FLAME.

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

Directions for Use

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

POST TREATED AREA

Consult your State Agricultural Extension Service or Experiment Station regarding post-treated areas.

READ ENTIRE LABEL - USE STRICTLY IN ACCORDANCE WITH DANGER STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

KEEP PESTICIDE IN ORIGINAL CONTAINER

USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE EQUIPMENT AND CLOTHING:

- (1) Wear water proof pants, coat, hat, rubber boots or rubber overshoes.
- (2) Wear safety goggles.
- (3) Wear a pesticide respirator (only approved by the Mine, Health and Safety Administration, Bureau of Mines and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11.14) Wear heavy duty, natural rubber gloves.

WORK SAFETY RULES

Keep all unprotected persons and children away from treated area or where there is danger of drift.

Do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away. Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to parathion and describe his condition. After first aid is given (see First Aid Treatment Section) and if a doctor cannot come, take victim to clinic or hospital.

IMPORTANT! Before removing gloves, wash them with soap and water. Always wash hands, face and arms with soap and water before smoking, eating or drinking.

AFTER WORK, take off all work clothes and shoes. Shower, using soap and water. Wear only clean clothes when leaving job. Do not wear contaminated clothing. Wash protective clothing and protective equipment with soap and water after each use. Respirator should be cleaned and filter replaced according to instructions included with respirator.

Storage and Disposal

Do not use or store in or around the home. Keep out of reach of children and domestic animals. Do not store near food or feed products.

FOR ALL EMPTY CONTAINERS

DO NOT re-use the container. Completely empty the contents and bury unused chemical at least 18 inches deep in an isolated location away from water supplies.

GLASS CONTAINERS - Break the container and bury the pieces at least 18 inches deep in an isolated location away from water supplies.

METAL CONTAINERS -

1-GALLON CANS - Pour 1 qt. of water into empty can and add 1 tablespoonful household detergent. Rotate can carefully to wet all inner surfaces with the solution. Bury near solution at least 18 inches deep in an isolated location away from water supplies. Punch holes in top and bottom of can, crush can and bury deeply in an isolated location.

5-GALLON, 16 GALLON and 55 GALLON DRUMS - Pour the following mixture into empty container:

5-GALLON DRUMS - 2 qt. water, 1 cup caustic soda (household type), 2 tablespoons detergent.

16-GALLON DRUMS - 3 gallons water, 1 lb. caustic soda (household type), 1 cup detergent.

55-GALLON DRUMS - 5 gallons water, 2 lb. caustic soda (household type), 1 cup detergent.

Rotate container until all inner surfaces are thoroughly wet. Bury the rinse solution at least 18 inches deep in an isolated area away from water supplies.

CAUTION: Handle caustic soda (household type) with extreme care. Do not get on skin, in eyes or on clothing. Read and carefully follow the precautions on package. Punch holes in top and bottom of container, crush container. Bury deeply in an isolated area.

IF THE ABOVE RINSE METHOD CANNOT BE USED

Punch holes in TOP of container and burn in hot fire until a faint light has been completely burned off container. Extreme care should be exercised to insure that containers are completely empty and that persons stay well away from smoke and fumes. Do not attempt to burn more than 5 containers at one time.

MIXING AND SPRAYING

Parathion 25-W is ready to use as a spray after dilution with water. Add the required amount of material directly to the spray tanks while filling the spray tank with water. Keep the agitator running while filling and spraying.

This product should be applied with not less than the minimum gallonage of water per acre listed below, unless otherwise specified.

MINIMUM GALLONS OF WATER PER ACRE

	Aircraft	Ground
Row and Field Crops (California only)	1 to 3	3 to 10
	5	10

USE PRECAUTIONS: Do not allow spray to drift onto adjacent crops. Do not apply while bees are working in the field. Allow at least 5 days before pruning trees, thinning fruit or other continuous work in areas treated with Parathion.

ALMONDS: To control Oriental Fruit Moth use 1 1/2 pound per 100 gallons of water (apply at petal fall and every 10-14 days thereafter until control is achieved). Peach Twig Borer use 1 pound per 100 gallons of water (apply 2 to 3 times to trunk from ground to scaffold limbs timed with moth flight). Fruit Tree Leaf Roller, Cottony Peach Scale, Tent Caterpillar, Green Peach Aphid, certain species of mites, Red-banded Leaf Roller, San Jose Scale, and Lecanium Scale (after all eggs have hatched) use 2 pounds per 100 gallons of water. Do not apply more than once after bloom. Do not apply more than 3 pounds actual Parathion per acre between January 1st and harvest.

APPLES: To control the following pests use 1 to 2 pounds per 100 gallons of water, Codling Moth and Plum Curculio - Apply at petal fall and every 10 to 14 days thereafter until control is achieved. Orange Tortrix, certain species of Scales, Red-banded Leaf Rollers (2nd and 3rd broods), Woolly Apple Aphid, Mealy Bug, Bud Moth, Red Bugs, Fruit Tree Leaf Roller, Rosy and Green Apple Aphid, Leafhopper, Red-banded Leaf Roller (1st brood), Crosshoppers, certain species of mites, European Sawfly and Pear Borer. Do not apply to susceptible varieties. Do not apply within 14 days of harvest.

APRICOTS: To control Codling Moth, Fruit Tree Leaf Roller, Spider Mites, Oriental Fruit Moth, and Peach Twig Borer use 2 1/2 lbs. per 100 gallons of water. For control of bud moth and aphids, use 1 to 1 1/2 lbs. per 100 gallons of water. Do not exceed 14 lbs. per acre. Do not apply within 14 days of harvest.

ARTICHOKES: Apply 1 1/2 to 2 lbs. per acre to control plume moth, aphids. Do not apply within 7 days of harvest.

AVOCADOS: To control aphids and foliage worms use at the rate of 2 to 2 1/2 lbs. per 100 gallons of water. Do not apply within 21 days of harvest.

BEANS: To control Mexican Bean Beetle, Leafhopper, Aphids, Red Sower Armyworms, Leaf Roller and Leaf miner use 2 pounds in 20 to 50 gallons of water per acre. Repeat at 7 to 10 day intervals. Do not apply within 7 days of harvest.

BEETS: For aphids and webworm apply 1 to 2 1/2 lbs. per acre. For blister beetle apply 2 to 2 1/2 lbs. per acre. For flea beetle and leaf miner apply 1 1/2 to 2 1/2 lbs. per acre. Do not apply within 15 days of harvest, or 21 days if treated crops are to be used for food or feed.

BERRIES: (BOYSENBERRIES, DEWBERRIES, JOSEBERRIES, LOGANBERRIES) Apply 1 lb. per 100 gallons water to control aphids. Do not exceed 4 lbs. per acre. Do not apply within 15 days of harvest.

BROCCOLI: For control of aphids, armyworms, cabbage looper, diamondback moth, imported cabbageworm, serpentine leafminer and thrips, apply 2 lbs. Do not apply within 7 days of harvest.

BRUSSELS SPROUTS: For control of aphids, armyworms, cabbage looper, diamondback moth, imported cabbageworm, serpentine leafminer and thrips, apply 2 lbs. Do not apply within 7 days of harvest.

CABBAGE: To control aphids, thrips, Diamondback Moth, Imported Cabbageworm and Armyworm use 1 pound in 20 to 50 gallons of water per acre. Do not apply within 7 days of harvest.

CARROTS: For control of aphids, use 1/2 lb. per 100 gallons. Apply 300 gallons per acre. Do not apply within 15 days of harvest. Do not exceed 4 lbs. per acre. Do not use treated carrot tops for food or feed.

CAULIFLOWER: For control of aphids, armyworms, cabbage looper, diamondback moth, imported cabbageworm, serpentine leafminer and thrips, apply 2 lbs. Do not apply within 7 days of harvest.

CELERY: For control of aphids use 2 lbs. in 200 gallons of water per acre. Do not apply within 21 days of harvest.

BEST DOCUMENT AVAILABLE