



DANGER—POISON—PRECAUTIONS

POISONOUS IF SWALLOWED

This product is highly toxic if swallowed. Even in small amounts, spray mist or dust may be fatal if swallowed.



POISONOUS BY SKIN CONTACT

Persons touched by hands or spilled or splashed on skin or eyes or on clothing if liquid goes through clothes.



POISONOUS TO FISH AND WILDLIFE

This product is toxic to fish, birds, and other wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, streams, or ponds. 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. 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.

DANGER

DANGER Poisonous if swallowed, inhaled or absorbed through skin! Rapidly absorbed through skin.
POISONING SYMPTOMS Headache, blurred vision, weakness, nausea, cramps, diarrhea, discomfort in chest.
ANTIDOTE: Atropine is the specific antidote. Obtain emergency supply of Atropine 1/100 grain tablets from your physician. Keep on hand.
CALL A PHYSICIAN IMMEDIATELY if persons handling or working with Parathion develop poisoning symptoms.
DO NOT USE, POUR, SPILL, OR STORE NEAR HEAT OR OPEN FLAME
DO NOT STORE BELOW 0 degrees F.

POISON SIGNS—Symptoms

Parathion is a very dangerous poison. It rapidly enters the body by contact with all skin surfaces and eyes. Clothing wet with this 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, sweating, watering of eyes, drooling or frothing of mouth and nose, muscle spasms and coma. Dealers should sell in original packages only.

FIRST AID TREATMENT

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 and victim is awake, conscious, make him vomit. Induce vomiting by sticking finger down throat or by giving soapy or strong salt water to drink. Repeat until vomit is clear. Never give anything by mouth to an unconscious person. Have victim lie down and keep quiet. See doctor immediately.
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.

DANGER—POISON

DO NOT ALLOW THIS MATERIAL TO DRIFT ONTO NEIGHBORING CROPS OR NON-CROP AREAS OR USE IN A MANNER OR AT A TIME OTHER THAN IN ACCORDANCE WITH LABEL DIRECTIONS BECAUSE ANIMAL PLANT OR CROP INJURY, ILLEGAL RESIDUES OR OTHER UNDESIRABLE RESULTS MAY OCCUR.

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

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.

USE ONLY WHEN WEARING THE FOLLOWING

- 1. Wear water-proof pants, coat, hat, rubber boots or rubber overshoes.
- 2. Wear safety goggles.
- 3. Wear mask or respirator approved by the U. S. Bureau of Mines for parathion protection.
- 4. Wear heavy, natural rubber gloves.

POST-TREATED AREA

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

CONTAINER DISPOSAL

DO NOT REUSE EMPTY CONTAINER

GLASS CONTAINERS Break the container and bury the pieces at least 18 inches deep in an isolated location away from water supplies after being rinsed with the following solution.

METAL CONTAINERS

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

5-GALLON, 30-GALLON and 55 GALLON DRUMS Pour the following mixture into empty containers:

- 5 GALLON DRUMS: 2 qts. water, 1 cup caustic soda, household lye, 2 table-spoons of detergent.
- 30 GALLON DRUMS: 3 gallons water, 1 lb. caustic soda, household lye, 1 cup detergent.
- 55 GALLON DRUMS: 5 gallons water, 2 lb. caustic soda, household lye, 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 lye, 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. 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 all paint 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.

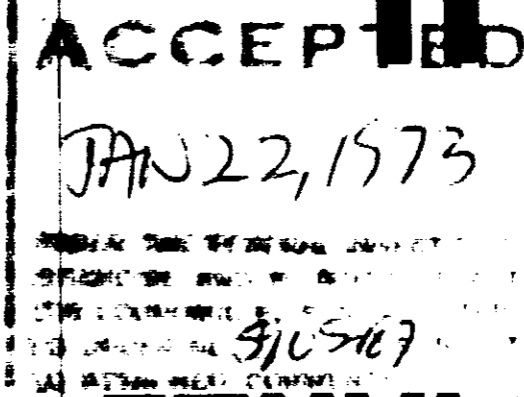
NOTE TO PHYSICIAN

ANTIDOTE: Administer atropine sulfate in large doses, TWO TO FOUR cc. intravenously or intramuscularly as soon as symptoms are severe. Repeat at 5 to 10 minute intervals until signs of atropinization appear. 2 P.M. chlorides also are fatal and may be administered in conjunction with the atropine. **DO NOT GIVE MORPHINE OR TRANQUILIZERS.** Parathion is a strong cholinesterase inhibitor affecting the central depression. At first sign of pulmonary edema, the patient should be given supplemental oxygen and treated symptomatically. Continued absorption of the poison may occur and fatal relapse has been reported after initial improvement. **VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.**

STOP - READ LABEL BEFORE

POISON

See Side Panels for Antidote & Precautions



HELENA BRAND

ETHYL PARATHION

ACTIVE INGREDIENTS

- Parathion
- Xylene

INERT INGREDIENTS

- DDM
- 0,0-Diethyl 0,0-pyrophosphorothioate

CONTAINS 8 POUNDS OF PARATHION PER

MANUFACTURED BY
HELENA CHEMICAL CO.
MEMPHIS, TENNESSEE 38103

NOT FOR HOME USE

READ LABEL BEFORE USING



DANGER

Keep Out of Reach of Children

N
els
&
ns

LELENA
BRAND

PARATHION 8 LB.

INGREDIENTS

Parathion
Inert
INGREDIENTS
TOTAL
0.1% Diethyl (2-pyridyl) phosphorothioate

8.0% Diethyl (2-pyridyl) phosphorothioate
1.0% Diethyl (2-pyridyl) phosphorothioate
8.0% Diethyl (2-pyridyl) phosphorothioate
1.0% Diethyl (2-pyridyl) phosphorothioate

CONTAINS 8 POUNDS OF PARATHION PER GALLON

DIRECTIONS FOR USE

NOT FOR USE OR STORAGE IN OR AROUND THE HOME
Apply as a full coverage dilute spray when insects first appear and repeat as required to maintain control. May be applied by ground or airplane application equipment. When applying by aircraft, mix the recommended amount with sufficient water to provide a minimum of 1 gallon of finished spray per acre. Do not use in undiluted form. Observe days interval between last application and harvest indicated following crop.

FRUITS

APPLE 14 Codling Moth, Plum Curculio, Orange Tortrix, San Jose, Forbes, Parlatoria and Scurfy Scales, Red-banded Leaf Roller, second and third broods, Woolly Aphid, Mealybug—Use 1.3 pt per 100 gallons of water. 2.2-3 pints per acre. Bud Moth, Red Bug, Fruit-tree Leaf Roller, Leafhoppers, Rosy and Green Apple Aphids, Red-banded Leaf Roller, first brood, Grasshoppers, European Red, Two-Spotted, Pacific, Schoenii, Willamette and Clover Mites—Use 1/4 pint per 100 gallons of water. 2 pints per acre. For certain mites, such as Two-spotted and Willamette, repeat applications at 7 to 10 day intervals during summer months. European Sawfly—Use 3.8 pint per 100 gallons of water. 3 pints per acre at petal fall. Applications may cause injury to fruit and foliage of McIntosh and related varieties of apples.

CHERRY 14 Aphids, Mites, Shot-hole Borer (following petal fall and in late summer), Case-bearer (during growing season), Red-Spider Mites, repeat at 7 to 10 day intervals as required. Leaf Miner—Use 1/4 pint per 100 gallons of water. 1 1/2 pints per acre. Fruit Fly—Use 1/2 to 1.3 pint per 100 gallons of water. 1 1/2 to 2 pints per acre. Apply within 5 days after first fly emerges and repeat every 10 days. Repeat immediately after every rain. For additional protection use the same dosage in a post-harvest spray. Plum Curculio, Cherry Fruitworm, Oriental Fruit Moth, Bud Moth, Cankerworm, San Jose Crawlers—Use 1.3 pint per 100 gallons of water. 2 pints per acre. For San Jose Scale Crawlers, apply after emergence.

CITRUS ORANGES, LEMONS, GRAPEFRUIT 14 FLORIDA—Purple, Florida Red, Cottony-cushion and Snow Scales and Mealy bug—Use 1.3 pint per 100 gallon of water between June and September or use 3 ozs per 100 gallons of water in two sprays, the first in the spring and a second between June and September. Do not apply more than 2 quarts of this material per acre.

PEACHES, NECTARINES 14 AREAS OTHER THAN CALIFORNIA Fruit Tree Leaf Roller, Cottony Peach Scale, Green Peach Aphid, Spider Mites, Shot-hole Borer, apply during peak of adult beetle activity. Red Banded Leaf Roller—Use 1/4 pint per 100 gallons of water. Plum Curculio, Oriental Fruit Moth, San Jose Scale, Peach Tree Borer, Cat-facing insects—Use 1.3 pint per 100 gallons of water. Lecanium Scale, Apply after all eggs have hatched. Use 3.8 pint per 100 gallons of water. Do not apply more than 5 pints of product per acre per year.

PEARS 14 Blister Mite—Use 1.3 pint per 100 gallons of water. 2.2-3 pints per acre in pre-blossom spray. Pear Psylla—Use 1/2 pint per 100 gallons of water. 2 pints per acre in pre-blossom or post-blossom sprays. Codling moth, Mealybug, Woolly Aphid and certain spider mites—Use dosages listed under apples. Injury may occur on Bosc variety.

PLUM 14 PRUNE 14 Curculio—Use 3.8 pint per 100 gallons of water. 2 pints per acre. Bud Moth, Mealy Plum Louse, Leaf Roller, Leafhoppers, Aphids, Spider Mites, Peach Twig Borer, Orange Tortrix, Codling Moth, Tussock Moth, Thrips—Use 1/4 to 1.3 pints per 100 gallons of water. 1 1/4 to 1.2-2 pints per acre. San Jose Scale Crawlers—Use 1.3 pint per 100 gallons of water. 1.2-3 pints per acre, when crawlers emerge.

SMALL FRUITS

Use amounts listed in sufficient water, 10 gallons minimum, by ground to cover 1 acre.
BLACKBERRIES 15 **BOYSENBERRIES** 15 **DEWBERRIES** 15 **LOGANBERRIES** 15 **RASPBERRIES** 15 Aphids, Two-spotted Mite, Red Spider Mite—Use 1/2 to 1 pint.

BLUEBERRIES 14 Maggots, Thrips—Use 1/2 pint.

CRANBERRY 15 Sparganothis Fruitworm, Girdler, Tipworms, Cranberry Fruitworm, Fireworm, Leafhopper—Use 3.4 pint. When applied by aircraft, use 3.4 pint in a minimum of 2 gallons of water per acre.

CURRENT 30 Aphids—Use 1.8 to 1.4 pint as leaf buds open in spring. Red Spider Mites—Use 1/4 to 1/2 pint before bloom.

GRAPE 14 Hoplia Beetle, Mealy Bug, Leafroller, Thrips—Use 1.4 to 1.3 pint per 100 gallons of water. Mites—Use 1/4 to 1/2 pint and repeat at 5 to 7 day intervals. Berry Moth—Use 1/4 to 1/2 pint and repeat as necessary at 10 day intervals. Apply 200 gallons of water per acre with ground application equipment only.

STRAWBERRY 14 Aphids, Lygus Bugs, Leafhoppers, Leaf Roller, Red Spider Mites, Whitefly—Use 1/4 to 1/2 pint. Repeat at 7 to 10 day intervals. Root Weevil—Use 1.3 pint.

VEGETABLES

Use amounts listed in sufficient water, 10 gallons minimum, by ground to cover 1 acre.

ARTICHOKE 7 Artichoke Plume Moth, Aphids—Use 1 pint.

BEANS 7 Aphids, Armyworms, Leafhopper, Leaf Miner, Leaf Roller, Mexican Bean Beetle, Red Spider Mite, Diabrotica Beetles—Use 1.4 to 3.4 pint. At a rate of 1/2 to 3.4 pint per acre, do not apply within 15 days of harvest. Repeat applications at 7 to 10 day intervals as required. Corn Earworm and Whitefly—Use 2 pint.

BLACKEYED PEAS 15 Aphids, Leaf Miners—Use 1/2 pint.

BEE 15 Aphids, Webworms, Blister Beetle, Leafhoppers—Use 1/2 to 3.4 pint. Do not apply within 21 days of harvest if tops are to be used for food or feed.

BROCCOLI 7 **BRUSSELS SPROUTS** 7 **CABBAGE** 10 **CAULIFLOWER** 7 **COLARDS** 10 **KALE** 10 **KOHLABI** 7 **MUSTARD GREENS** 10 **TURNIPS** 10 Aphids, Armyworms, Cabbage Looper, Climbing Cutworms, Diamond-Back Moth, Imported Cabbage Worm, Thrips, Vegetable Weevil—Use 1/2 pint per acre.

CELERY 21 Aphids, Celeryworms, Climbing Cutworms, Cabbage Looper, Leafhoppers—Use 1/2 pint. May be used at a rate of 1/2 to 1 pint per acre but do not apply within 30 days of harvest. Leafminer and Whitefly—Use 3.4 pint.

CARROTS 15 Aphids, Petrosia Mite, Vegetable Weevil—Use 1/2 to 1 pint. Do not use treated carrot tops for food or feed.

CORN Armyworms, Budworm, European Corn Borer, Mites—Use 1/2 to 1 pint. Do not apply within 21 days of harvest or cutting for forage.

CUCUMBERS 15 **MELONS** 7 **PUMPKINS** 10 **SQUASH** 15 Cucumber Beetle, Aphids, Stink Bugs, Vine Borer—Use 1/2 pint. Do not apply before plants start to vine and unless plants are dry.

EGGPLANT 15 Aphids, Whitefly, Leafminer—Use 1/2 to 3.4 pint.

ESCAROLE ENDIVE 21 Aphids, Leafhopper—Use 1/2 pint.

LETTUCE Leaf 21 Head 7 Aphids, Leafhoppers, Leafminer, Cabbage Loopers, Armyworms—Use 1/2 pint.

OKRA 21 Aphids, Leafminers—Use 1/2 to 3.4 pint.

ONIONS 15 Leafminer, Petrosia Mite, Thrips—Use 1/2 to 3.4 pint. Repeat weekly as required.

PEAS 10 Aphids, Pea Weevil, Thrips, Climbing Cutworms, Armyworms, Leafminer—Use 1/2 pint.

PEPPERS 15 Aphids, Serpentine, Leafminer—Use 1/2 to 3.4 pint.

POTATO 5 **TOMATO** 10 Colorado Potato Beetle, Flea Beetle, Leafhoppers, Leafminer, Grasshoppers, Whitefly, Aphids, Thrips, Potato Psyllid, Plant Bugs, Blister Beetle, Vegetable Weevil, Stink Bug, Armyworms, Russet Mite—Use 1/2 to 1 pint. Tomato Pinworm—3.4 pint.

RUTABAGA 7 Aphids, Armyworms, Cabbage Looper, Climbing Cutworm, Diamond-Back Moth, Imported Cabbage Worm, Vegetable Weevil—Use 1/2 to 3.4 pint.

SPINACH 14 **SWISS CHARD** 21 Aphids, Leafminers, Crown Mite, Vegetable Weevil, Seed Corn Maggot in crowns—Use 1/2 pint.

ORNAMENTALS

ORNAMENTALS Outdoor Only. Aphids, Whitefly, Spider Mites, Leafhoppers, Thrips, Lacebug, Bagworm, Cottony-Cushion Scale—Use 1/2 pint with 3 gals. of water and spray until runoff. For Spider Mites and Leafhoppers repeat in 7 to 10 days. Juniper Webworm, Lecanium Scale—Use 2.3 pint with 3 gallons of water and spray until runoff. Mealybugs, Scales, Leaf Tiers—Use 3.4 pint with 3 gals. of water and spray until runoff against young or crawler stages. Repeat in 3 weeks if necessary. Spray foliage until thoroughly covered.

NOTICE OF WARRANTY

Parathion is a registered trademark of the Dow Chemical Company. Parathion is a registered trademark of the Dow Chemical Company. Parathion is a registered trademark of the Dow Chemical Company.