

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 spilled or splashed on skin, 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 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, weakness, blurred vision, pin-point pupils, tightness in chest, labored breathing, nervousness, sweating, watering of eyes, drooling or frothing 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 sign of pulmonary edema, the patient should be given supplemental oxygen and treated symptomatically. Continued absorption of the poison may occur and fatal relapses 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 crab may be killed at application rates recommended on this label. Do not apply where these are important resources. Do not apply where runoff is likely to occur. Do not apply to water used for irrigation, recreational or domestic purposes. Do not apply when weather conditions favor drift to areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

This pesticide is highly toxic to bees exposed to direct treatment or residues on crops. For more 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.

DIRECTIONS FOR USE

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

Workers entering treated fields within 48 hours must wear protective clothing.

BEST DOCUMENT AVAILABLE

Storage and Disposal FOR ALL EMPTY CONTAINERS

DO NOT reuse 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 thoroughly 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 cans, 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, 1/2 cup caustic soda (household lye) 2 tablespoons of detergent.

30-GALLON DRUMS—3 gallons water, 1 lb. caustic soda (household lye) 1/2 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, 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 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.

WORK SAFETY RULES

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 jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30CFR Part 11. (4) Wear heavy duty natural rubber gloves.

Workers entering treated fields within 48 hours must wear protective clothing.

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 later repaired according to instructions included with respirator.

POST TREATED AREA

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

MIXING AND SPRAYING

Mix in water with the rate indicated on this label. California only use 20 to 100 gallons of water per acre by ground spray rig or 1 to 2 qt. California only use 1/2 to 1 qt. of water by airplane.

COMPATIBILITY - Always use this material with highly alkaline materials. Do not mix with lime, lime sulfur, or lime sulfur compounds.

WARNING

When used on citrus, peaches, cantaloupes or grapes, do not allow workers to enter treated area within 21 days to engage in any activity requiring substantial contact with treated foliage.

ALFALFA, CLOVER, VETCH AND GRASS Aphids, Alfalfa weevil, Alfalfa caterpillar, Armyworm, Blister beetles, Clover leaf weevil, 1/2 to 1 pint per acre. Alfalfa seed head control on alfalfa grown for seed: 1/2 to 1 pint per acre. Clover head weevil, Spider mites, Asiatic garden beetle, and Green June beetle: 1/2 pint per acre. Do not spray legumes during bloom period to avoid injury to honey bees. Do not apply within 14 days of harvest.

ALMONDS: Peach twig borer, San Jose scale, Olive scale, Mite eggs (Dormant Application)—1/2 pint plus dormant oil emulsion or dormant emulsive oil at the dosage recommended for the specific oil product per 100 gallons. Fruit tree leafroller, Tent caterpillar, Peach twig borer—1/2 pint per 100 gallons of water. Do not apply after hulls open. Do not exceed 500 gallons of dilute spray per acre. Do not apply within 14 days of harvest. Do not feed treated hulls to livestock.

ARTICHOKE: Artichoke plume moth, Aphids—1 pint per acre. Do not apply within 7 days of harvest.

APRICOTS: Peach twig borer (Dormant Application)—1/2 pint plus dormant oil emulsion or dormant emulsive oil at the dosage recommended for the specific oil product per 100 gallons. Mealybugs, Mealy plum aphid—1/4 pint per 100 gallons of water. Codling moth (for Codling moth control: apply at petal fall and every 10 to 14 days thereafter until control is achieved), Orange tortrix, Peach twig borer—1/2 pint per 100 gallons of water. Do not apply within 14 days of harvest. Do not apply until danger of bee poisoning has passed. Do not exceed 700 gallons dilute spray per acre.

AVOCADOS: Avocado leafhopper—1/4 pint per 100 gallons of water. Do not apply within 21 days of harvest.

BARLEY, OATS AND WHEAT: Aphids (including Corn leaf aphid and Greenbug), Armyworm, Winter grain mite, Grasshoppers—1/4 to 1/2 pint per acre. Black grass bug, Stink bugs, Spider mites (including Brown spider mite), Leafhoppers, Cutworms—1/2 to 1 pint per acre. Chinch bug and False chinch bug—1/4 pint per acre. Thrips—1/4 to 2/5 pint per acre. Do not apply within 15 days of harvest.

BEANS: Aphids, Armyworm, Leafminers, Leafrollers, Leafhoppers, Mexican bean beetle—3/10 to 1/2 pint per acre. Red spider mite, Limbean pod borer—1/4 to 1/2 pint per acre. Cucumber beetles (Diabrotica spp.), Corn earworm—1/4 to 1/2 pint per acre. Whiteflies—1/2 pint per acre. Stink bugs—3/10 to 4/5 pint per acre. Thrips—1/4 to 2/5 pint per acre. Garden symphylan—2 1/2 quarts per acre. Spray broadcast on soil before planting and 1/4 into upper 6 inches by discing or rototilling. Preplant soil treatment only. Keep all persons and animals out of treated area for 48 hours. Do not contaminate ponds or streams. Do not apply within 15 days of harvest.

BEETS, TABLE: Aphids, Blister beetles, Leafhoppers, Webworms—1/2 pint per acre. Do not apply within 21 days of harvest if tops are to be used for food or feed within 15 days of harvest if tops are to be discarded. Wireworms—1/2 gallon per acre. Spray broadcast on soil before planting and work into upper 6 inches by discing or rototilling. Preplant soil treatment only. Apply at least 1 to 2 weeks before planting. Keep all persons and animals out of treated area for 48 hours. Do not contaminate ponds or streams.

BROCCOLI: Armyworm, Diamondback moth, Imported cabbageworm—1/4 to 1/2 pint per acre. Climbing cutworms—1/2 pint per acre. Vegetable weevil—3/10 to 1/2 pint per acre. Aphids, Thrips—1/5 to 1/4 pint per acre. Cabbage looper—1/2 to 1 pint per acre. Do not apply to broccoli within 7 days of harvest.

BRUSSELS SPROUTS: Thrips, Aphids—1/5 to 1/4 pint per acre. Diamondback moth, Imported cabbageworm, Armyworm—1/4 to 1/2 pint per acre. Climbing cutworms—1/2 pint per acre. Vegetable weevil—3/10 to 1/2 pint per acre. Cabbage looper—1/2 to 1 pint per acre. Do not apply within 21 days of harvest.

BLACKBERRIES, BOYSENBERRIES, DEWBERRIES, LOGAN-BERRIES, RASPBERRIES: Aphids, Spider mites—1/4 to 1/2 pint per acre. Two-spotted mite—1/5 to 2/5 pint per acre. Raspberry crown borer—1 pint per acre. Do not apply within 15 days of harvest.

BLUEBERRIES: Aphids, Blueberry maggot, Thrips—1/2 pint per acre. Do not apply within 14 days of harvest.

CABBAGE, CAULIFLOWER: Aphids, Thrips—1/5 to 1/2 pint per acre. Vegetable weevil—3/10 to 1/2 pint per acre. Diamondback moth, Armyworm, Imported cabbageworm—1/4 to 1/2 pint per acre. Do not apply to cabbage within 10 days of harvest, to cauliflower within 7 days of harvest. Wireworms—1/2 to 2 quarts per acre. Preplant broadcast soil treatment. Apply at least 1 to 2 weeks before planting. Incorporate into top 4 to 9 inches of soil immediately after application. Keep all persons and animals out of treated area for 48 hours. Do not contaminate ponds and streams. To control Cabbage seed pod weevil on cabbage grown for seed only, use 1 pint per acre. Symphylans—2 1/2 to 3 quarts per acre. Apply as a preplant treatment for the wireworms.

CARROTS: Aphids, Petiole mites, Vegetable weevil—1/2 pint per acre. Do not apply within 15 days of harvest. Do not use treated carrot tops for food or feed. Wireworms, Symphylan, Springtails—2 1/2 quarts per acre. Spray broadcast on soil before planting and work into upper 6 to 9 inches by discing or rototilling. Preplant soil treatment only. Keep all persons and animals out of treated area for 48 hours. Do not contaminate ponds or streams.

CELERY: Aphids, Celery leafhopper—1/5 to 1/2 pint per acre. Spider mites—2/5 to 4/5 pint per acre. Climbing cutworms—1/2 to 1 pint per acre. Leafhoppers—1/2 to 1 pint per acre. Cabbage looper—1/2 to 1 pint per acre. Leafminers, Whiteflies—1/4 pint per acre. Do not apply within 30 days of harvest. For wireworms, Symphylans—5 to 6 quarts per acre. Spray broadcast on soil before planting and work into upper 6 to 9 inches by discing or rototilling. Preplant soil treatment only. Keep all persons and animals out of treated area for 48 hours. Do not contaminate ponds or streams.

CITRUS (oranges, lemons, grapefruit): Mealybugs (Purple Scale, Cottony Scale, Citrus Scale), Citrus Red Scale, Citrus Snow Scale (excluding use in California), 1/3 pint per 100 gallons of water between June and September, or 3ozs per 100 gallons of water in two sprays (the first in the spring and a second between June and September). Use 1/4 to 1/2 pint per 100 gallons for control of Grasshoppers (excluding use in California). Do not apply more than 2 quarts of this material per acre. Do not apply within 14 days of harvest. Do not apply within 21 days of harvest in California.

CITRUS (oranges, lemons, grapefruit): Mealybugs (Purple Scale, Cottony Scale, Citrus Scale) - California only; Florida Red Scale and Snow Scale (excluding use in California) 1/3 pint per 100 gallons of water between June and September, or 3ozs per 100 gallons of water in two sprays (the first in the spring and a second between June and September). Use 1/4 to 1/2 pint per 100 gallons for control of Grasshoppers (excluding use in California). Do not apply more than 2 quarts of this material per acre. Do not apply within 14 days of harvest. Do not apply within 21 days of harvest in California.

COLLARDS: Armyworm, Climbing cutworms, Diamondback moth, Thrips, Aphids, Cabbage looper, Imported cabbageworm, Vegetable weevil—1/2 pint per acre. Do not apply within 10 days of harvest.

RESTRICTED

FOR RETAIL SALE TO UNDER THEIR DIRECT THE CERTIFIED APPL

STOP-READ

POISON
See Side Panels for Antidote & Precautions

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ACTIVE INGREDIENTS
Parathion (O,O-Diethyl phosphorothioate) Related Compounds Xylene
INERT INGREDIENTS
TOTAL

One gallon of Helena Ethyl Parathion.

EPA Reg. No. 5905-86

SN1-110680-1M

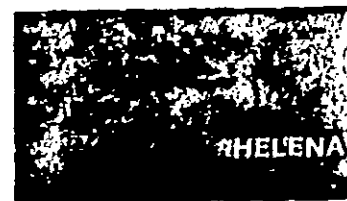
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(TO THE USER: This product until you.)

NET CONTENTS

DO NOT RE-USE THIS



RESTRICTED USE PESTICIDE

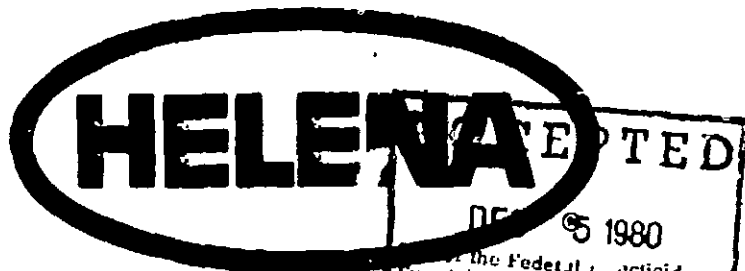
FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION

STOP-READ LABEL BEFORE USING!

POISON
See Side Panels
for Antidote &
Precautions



DANGER
Keep Out of
Reach of
Children



Parathion 8E

Emulsifiable Insecticide Concentrate
BEST DOCUMENT AVAILABLE

| ACTIVE INGREDIENTS | (By Weight) |
|--|-------------|
| Parathion (O,O-Diethyl O-p-nitrophenyl phosphorothioate) | 77.00% |
| Related Compounds | 3.68% |
| Xylene | 12.32% |
| INERT INGREDIENTS | 7.00% |
| TOTAL | 100.00% |

One gallon of Helena Parathion 8E contains 8 pounds of Ethyl Parathion.

EPA Reg. No. 5905-86

EPA Est.

SN1-110680-1M

NOT FOR HOME USE

PRECAUCION

AL USUARIO: Si usted no lee Inglés, no use este producto hasta que la etiqueta la haya sido explicada ampliamente.

(TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.)

NET CONTENTS

U.S. GALLONS

DO NOT RE-USE THIS CONTAINER FOR ANY PURPOSE



CORN: European corn borers (in the whorl)—1/2 pint per acre. Apply the first spray when 75% of the corn plants show "shot holes" feeding and follow with two additional sprays at 5- to 7-day intervals. Use sufficient water per acre to provide complete coverage and be certain whorls of plant are well-treated. Consult your State Agricultural Experiment Station for proper timing of treatments. Corn leaf aphid—1/2 pint per acre. Fall armyworm, Corn rootworm adults, Armyworm, Climbing cutworms, Grasshoppers, Japanese beetles—3/8 pint per acre. Corn earworm—1/2 to 3/4 pint per acre. Apply to silks as soon as they appear. Make 3 to 4 applications at 2- to 3-day intervals as infestation warrants. Reapply immediately after rain. Stink bugs, Spider mites—1/2 pint per acre. Chinch bugs—1/4 pint per acre. Do not apply within 12 days of harvest.

COTTON: Aphids, Spider mites, Cotton leafworm, Cotton fleahopper, Garden webworm, Thrips—1/2 pint per acre. Cat barge looper—3/8 to 1/2 pint per acre. Stink bugs, Saltmarsh caterpillar—1/2 to 1 pint per acre. Cotton leafperforator, Lygus bugs, Flea chinch bug, Serpentine leafminer, Southern garden leafhopper—1 pint per acre. Use enough water for complete coverage. Make first application when insects appear and repeat at 7-day intervals if required. Workers entering fields within 24 hours after application should wear protective clothing. Do not handpick or harvest within 7 days.

CRANBERRIES: Sparganothis fruitworm, Cranberry tipworm, Cranberry fruitworm, Blackheaded fireworm, Leafhoppers—1/2 pint per acre. Do not apply within 15 days of harvest.

CUCUMBERS, MELONS (Cantaloupe, Muskmelon, Honeydew, Watermelon) OR SQUASH (summer, winter): Aphids, Stink bugs, Squash vine borer, Leafhoppers, Thrips—1/2 pint per acre. Use 1-3 to 1/2 pint per acre for control of Cucumber Beetle, Melon Worm, Pickle Worm and Serpentine Leafminers. Squash bugs, Flea Beetles and Leafminers (cucumbers and squash only), Spider Mites (melons and cucumbers only) apply 1/2 pint per acre. Do not apply within seven days of harvest for melons. Make no application before cucumbers start to vine and do not apply within 15 days of harvest for both cucumbers and squash.

CURRENTS: Aphids—1/8 to 1/4 pint as leaf buds open in spring. Spider mites—1/4 to 1/2 pint before bloom. Do not apply within 30 days of harvest.

EGGPLANT: Aphids, Leafminers, Spider mites, Thrips, Whiteflies—1/2 pint per acre in sufficient water for thorough coverage. Do not apply within 15 days of harvest.

ENDIVE (ESCAROLE): Aphids, Leafhoppers—1/2 pint per acre. Do not apply within 21 days of harvest.

FIGS: Fig scale—1/2 pint per 100 gallons of water. Apply when insects appear and repeat as needed. For heavy infestations, oil may be added to the spray mixture. Follow directions on the oil label. Do not apply within 30 days of harvest.

GARLIC: Leafminers, Thrips, Brown wheat mite—1/2 pint per acre. Do not apply within 15 days of harvest.

GRAPES: Hopsia beetle, Grape leaf folder, Thrips, Spider mites, Grape berry moth, Grape mealybug (Dormant Application)—1/4 to 1/2 pints plus 2 gallons dormant oil emulsion per 100 gallons per acre. Apply 100 to 150 gallons spray solution per acre by ground sprayer (Summer Application)—1/2 pint per 100 gallons per acre. Use 300 gallons spray solution per acre by ground sprayer in late June or early July. Do not apply within 15 days of harvest.

HOPS: Aphids—1/2 to 4/5 pint per acre. Spider mites—4/5 pint per acre. Do not apply within 15 days of harvest.

KALE: Aphids, Armyworm, climbing cutworms, Diamondback moth, Thrips, Cabbage looper, Imported cabbage worm, Vegetable weevil—1/2 pint per acre. Do not apply within 10 days of harvest.

KOHLRABI: Armyworm, Climbing cutworms, Diamondback moth, Thrips, Vegetable weevil, Aphids, Cabbage looper, Imported cabbage worm—1/2 pint per acre. Do not apply within 7 days of harvest.

LETTUCE (Head, Bibb, Leaf): Leafminers, Aphids, Banded cucumber beetle, Cabbage looper, Armyworm, Leafhoppers, Lygus bugs—1/2 pint per acre. Do not apply within 7 days of harvest for head lettuce, or within 21 days of bibb and leaf lettuce.

LETTUCE (Heart): Garden symphylan—2 1/2 quarts per acre. Spray broadcast on soil surface and work into top 1 to 9 inches by discing or rototilling. Pre-plant soil application only. Keep all persons and animals out of treated area for 48 hours. Do not contaminate ponds or streams.

MELONS: (Refer to Cucumbers)

MUSTARD GREENS: Cat barge looper, Leafminers, Aphids, Climbing cutworms, Diamondback moth, Imported cabbage worm, Vegetable weevil, Armyworm, and Thrips—1/2 pint per acre in sufficient water for thorough coverage. Do not apply within 14 days of harvest.

OKRA: Aphids, Leafminers, Stink bugs—1/2 pint per acre. Do not apply within 21 days of harvest.

OLIVES: Olive scale, Black scale—3.5 to 4.5 pint per 100 gallons of water. Apply during the prebloom or postbloom stage or when insects appear. Repeat as needed. Apply 1/2 pint per 100 gallons of water during postbloom stage. Use with one gallon of light medium grade summer emulsive oil. Do not apply after August 1.

ONIONS: Leafminers, Thrips, Brown wheat mite—1/2 pint per acre. Do not apply within 15 days of harvest.

ORNAMENTALS (Outdoor Only): Aphids, Whiteflies, Spider mites, Leafhoppers, Thrips, Lace bugs, Bagworms, Cottony-cushion scale—1/2 pint with 100 gallons of water and spray until runoff. For Spider mites and Leafhoppers repeat in 7 to 10 days. Juniper webworm, Lecanium scale—1/2 pint with 100 gallons of water and spray until runoff. Mealybugs, Scales, Leafhoppers—1/2 pint with 100 gallons of water and spray until runoff against young or crawler stages. Repeat in 3 weeks, if necessary. Spray foliage until thoroughly covered. **CHRISTMAS TREES**—to control Aphids and Mites—1/2 pint per 100 gallons of water.

PEACHES, NECTARINES (Refer to Coddling Moth): Fruit Lecanium, Walnut scale, Olive scale (Dormant Application)—1/2 pint plus dormant emulsive oil at the dosage recommended product per 100 gallons. Peach twig borer—1/2 pint per 100 gallons of water. For control apply at petal fall and every 10 to 14 days until control is achieved. Thrips (nectarines) apply more than 5 lbs. actual parathion per 100 gallons of water. Do not apply within 21 days of harvest. In California, do not apply more than 250 gallons diluted.

PEACHES, NECTARINES (Green Green T): Leafroller, Cotton peach scale, Green peach scale, Shot-hole borer (apply during peak adult beetle flight)—1/2 pint per 100 gallons of water. Fruit moth, Peachtree borer (apply spray to water for Oriental fruit moth control, apply half of the broods. Use 2/5 pint per 100 gallons of water. Do not apply within 15 days of harvest. Do not apply within 15 days of harvest.

PEARS: Pearleaf blister mite—1/3 pint in prebloom spray. Pear psylla—1/4 pint in prebloom or postbloom sprays. Coddling moth, certain Spider mites—use dosages listed may occur on Bosc variety. Do not apply within 15 days of harvest.

PEAS, GARDEN: Thrips, Climbing cutworms, Aphids, Pea weevil—1/2 pint per 100 gallons of water. Do not apply within 10 days of harvest. Do not use for feed or for seed.

PEANUTS: Fall armyworm, Rednecked peacock, Lesser cornstalk borer—1/2 pint per acre. Surface and base of plants. Do not apply within 15 days of harvest.

PEPPERS: Aphids, Flea Beetles, Leafminer. Do not apply within 15 days of harvest.

PLUMS, PRUNES: Olive scale, San Jose scale, Lecanium, Mealy plus aphid eggs, Leafminer (Dormant Application)—1/2 pint plus dormant emulsive oil at the dosage recommended product per 100 gallons. Fruit tree leafroller, Spider mites, Thrips, Plum curculio, Pear moth—1/2 pint per 100 gallons of water. Orange tortrix, Tussock moth—1/2 pint per 100 gallons of water. Do not apply within 15 days of harvest. Do not apply within 15 days of harvest.

POTATOES: Use 1/3 to 1/2 pint per acre for Leaf Miners, Armyworms and Leaf footed potato beetle, Flea Beetles, Grasshoppers, weevil, Leafhoppers, Thrips—1/2 to 1 pint per acre. Broadleaf hopper—1/2 pint per acre. Broadcast spray on soil surface 4 inches by discing or rototilling. Pre-plant soil application only. Keep all persons and animals out of treated area. Do not contaminate ponds or streams.

PUMPKIN: Aphids, Cucumber beetle, Squash bug. Do not apply within 10 days of harvest.

RADISHES: Aphids, Leafminers, Thrips—1/2 pint per acre. Do not apply within 15 days of harvest.

RICE: Tadpole shrimp, Rice leafminer—1/6 apply within 1 day of harvest. Shrimp can be killed. Do not apply where they are. Do not apply within 4 days before or after planting. This product is to be applied by water per acre. First cut spill from following application. Do not apply over cut.

RUTABAGAS: Aphids, Armyworm, Climbing cutworm, Vegetable weevil, Cabbage looper, Imported cabbage worm—1/2 pint per acre. Do not apply within 7 days of harvest.

SAFFLOWERS: Aphids, Lygus bugs, Grasshopper. Do not apply after flowering.

SORGHUM: Sorghum midge—1/2 to 1 pint per 100 gallons of water. Apply when approximately 5 to 10% of plants have completely emerged from the boot of blooming. Corn leaf aphid—1/2 to 1 pint per acre. Fall armyworm—1/2 to 3/4 pint per acre. Chinch bug—1/2 to 3/4 pint per acre. Do not apply within 12 days of harvest.

SOYBEANS: Webworm—1/2 pint per acre. Green cloverworm, Trispotted spider mite per acre. Corn earworm fall armyworm—1/2 pint per acre. White grub, Wireworm—broadcast 1/2 gal to planting and thoroughly incorporate into soil. Do not apply more than two applications per season. Do not apply a thin 20 days of grazing.

SPINACH: Cabbage looper, Leafminers, Flea beetles, Suedcorn maggot, cranberry Aphid. Do not apply within 14 days of harvest.

SQUASH: (Refer to Cucumbers)

STRAWBERRIES: Flea beetles, Field Crane, Strawberry Root Weevil, Lygus bugs, Strawberry Root Weevil, Whiteflies—1/2 pint per acre. Do not apply within 15 days of harvest.

SUGAR BEETS: Flea beetle, Armyworm, hopper, Sugar beet webworm, Aphids, Leafminer, Beet, Leafhopper, Beet root leather—1/2 to 1 pint per acre. Do not apply within 15 days of harvest. Do not feed treated tops to dairy, being finished for slaughter. Garden symphylan. Do not apply within 15 days of harvest. Do not apply within 15 days of harvest.

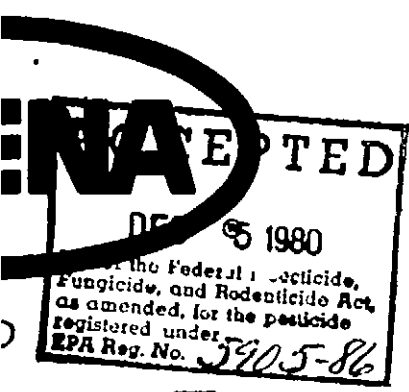
HE PESTICIDE

CERTIFIED APPLICATORS OR PERSONS ONLY FOR THOSE USES COVERED BY LABEL

BEFORE USING!



DANGER
Keep Out of Reach of Children



on 8E

Pesticide Concentrate

NOT AVAILABLE

(By Weight)

| | |
|-------|---------|
| 1 lb | 77.00¢ |
| 5 lb | 3.68¢ |
| 10 lb | 12.32¢ |
| 25 lb | 7.00¢ |
| 50 lb | 100.00¢ |

contains 8 pounds of Parathion

EPA Est.

HOME USE

In Spanish, no use este producto si la haya sido explicada

In English, do not use this product unless it has been fully explained to you

U.S. GALLONS

CONTAINER FOR ANY PURPOSE



CORN: European corn borers (in the whorl)— $\frac{1}{2}$ pint per acre. Apply the first spray when 75% of the corn plants show "shot holes" feeding and follow with two additional sprays at 5- to 7-day intervals. Use sufficient water per acre to provide complete coverage and be certain whorls of plant are well treated. Consult your State Agricultural Experiment Station for proper timing of treatments. Corn leaf aphid— $\frac{1}{2}$ pint per acre. Fall armyworm, Corn rootworm adults, Armyworm, Climbing cutworms, Grasshoppers, Japanese beetle—3-8 pnt per acre. Corn earworm— $\frac{1}{2}$ to $\frac{3}{4}$ pint per acre. Apply to silks as soon as they appear. Make 3 to 4 applications at 2- to 3-day intervals as infestation warrants. Re apply immediately after rain. Chinch bugs, Spider mites— $\frac{1}{2}$ pint per acre. Chinch bugs— $\frac{1}{2}$ pint per acre. Do not apply within 12 days of harvest.

COTTON: Aphids, Spider mites, Cotton leafworm, Cotton fleahopper, Garden webworm, Thrips— $\frac{1}{2}$ pint per acre. Cabbage looper— $\frac{1}{2}$ to $\frac{1}{4}$ pint per acre. Stink bugs, Saltmarsh caterpillar— $\frac{1}{2}$ to 1 pint per acre. Cotton leafminer, Lygus bugs, False chinch bug, Serpentine leafminer, Southern garden leafhopper—1 pnt per acre. Use enough water for complete coverage. Make first application when insects appear and repeat at 7-day intervals if required. Workers entering fields within 24 hours after application should wear protective clothing. Do not handpick or harvest within 7 days.

CRANBERRIES: Sparganothis fruitworm, Cranberry tipworm, Cranberry fruitworm, Black-headed fireworm, Leafhoppers— $\frac{1}{2}$ pint per acre. Do not apply within 15 days of harvest.

CUCUMBERS, MELONS (Cantaloupe, Muskmelon, Honeydew, Watermelon) OR SQUASH (summer, winter): Aphids, Stink bugs, Squash Vine Borer, Leafhoppers, Thrips— $\frac{1}{2}$ pint per acre. Use 1.3 to $\frac{1}{2}$ pint per acre for control of Cucumber Beetle, Melon Worm, Pickle Worm and Serpentine Leafminers, Squash bugs, Flea Beetles and Leafminers (cucumbers and squash only). Spider Mites (melons and cucumbers only) apply $\frac{1}{2}$ pint per acre. Do not apply within seven days of harvest for melons. Make no application before cucumbers start to vine and do not apply within 15 days of harvest for both cucumbers and squash.

CURRENTS: Aphids— $\frac{1}{2}$ to $\frac{1}{4}$ pint as leaf buds open in spring. Spider mites— $\frac{1}{2}$ to $\frac{1}{4}$ pint before bloom. Do not apply within 30 days of harvest.

EGGPLANT: Aphids, Leafminers, Spider mites, Thrips, Whiteflies— $\frac{1}{2}$ pint per acre in sufficient water for thorough coverage. Do not apply within 15 days of harvest.

ENDIVE (ESCAROLE): Aphids, Leafhoppers— $\frac{1}{2}$ pint per acre. Do not apply within 21 days of harvest.

FIGS: Fig scale— $\frac{1}{2}$ pint per 100 gallons of water. Apply when insects appear and repeat as needed. For heavy infestations, oil may be added to the spray mixture. Follow directions on the oil label. Do not apply within 30 days of harvest.

GARLIC: Leafminers, Thrips, Brown wheat mite— $\frac{1}{2}$ pint per acre. Do not apply within 15 days of harvest.

GRAPES: Hops beetle, Grape leafhopper, Thrips, Spider mites, Grape berry moth, Grape mealybug (Dormant Application)— $\frac{1}{4}$ to $\frac{1}{2}$ pint plus 2 gallons dormant oil emulsion per 100 gallons per acre. Apply 100 to 150 gallons spray solution per acre by ground sprayer. (Summer Application)— $\frac{1}{2}$ pint per 100 gallons per acre. Use 300 gallons spray solution per acre by ground sprayer in late June or early July. Do not apply within 15 days of harvest.

HOPS: Aphids— $\frac{1}{2}$ to $\frac{4}{5}$ pint per acre. Spider mites— $\frac{4}{5}$ pint per acre. Do not apply within 15 days of harvest.

KALE: Aphids, Armyworm, climbing cutworms, Diamondback moth, Thrips, Cabbage looper, Imported cabbage worm, Vegetable weevil— $\frac{1}{2}$ pint per acre. Do not apply within 10 days of harvest.

KOHLRABI: Armyworm, Climbing cutworms, Diamondback moth, Thrips, Vegetable weevil, Aphids, Cabbage looper, Imported cabbage worm— $\frac{1}{2}$ pint per acre. Do not apply within 7 days of harvest.

LETTUCE (Head, Bibb, Leaf): Leafminers, Aphids, Banded cucumber beetle, Cabbage looper, Armyworm, Leafhoppers, Lygus bugs— $\frac{1}{2}$ pint per acre. Do not apply within 7 days of harvest for head lettuce, or within 21 days of bibb and leaf lettuce.

LETTUCE (Heart): Garden symphytan—2 1/2 quarts per acre. Spray broadcast on soil surface and work into top 6 to 9 inches by discing or rototilling. Pre plant soil application only. Keep all persons and animals out of treated area for 48 hours. Do not contaminate ponds or streams.

MELONS: (Refer to Cucumbers)

MUSTARD GREENS: Cabbage looper, Leafminers, Aphids, Cabbage cutworms, Diamondback moth, Imported cabbage worm, Vegetable weevil, Armyworm and Thrips— $\frac{1}{2}$ pint per acre in sufficient water for thorough coverage. Do not apply within 14 days of harvest.

OKRA: Aphids, Leafminers, Stink bugs— $\frac{1}{2}$ pint per acre. Do not apply within 21 days of harvest.

OLIVES: Olive scale, Black scale—3.5 to 4.5 pint per 100 gallons of water. Apply during the prebloom or postbloom stage or when insects appear. Repeat as needed. Apply $\frac{1}{2}$ pint per 100 gallons of water during postbloom stage. Use with one gallon of light medium grade summer emulsive oil. Do not apply after August 1.

ONIONS: Leafminers, Thrips, Brown wheat mite— $\frac{1}{2}$ pint per acre. Do not apply within 15 days of harvest.

ORNAMENTALS (Outdoor Only): Aphids, Whiteflies, Spider mites, Leafhoppers, Thrips, Lace bugs, Bagworms, Cottonyconid scale— $\frac{1}{2}$ pint with 100 gallons of water and spray until runoff. For Spider mites and Leafhoppers repeat in 7 to 10 days. Juniper webworm, Lecanium scale— $\frac{1}{2}$ pint with 100 gallons of water and spray until runoff. Mealybugs, Scales, Leafhoppers— $\frac{1}{2}$ pint with 100 gallons of water and spray until runoff against young or crawler stages. Repeat in 3 weeks, if necessary. Spray foliage until thoroughly covered. **CHRISTMAS TREES**—to control Aphids and Mites— $\frac{1}{2}$ pint per 100 gallons of water.

PEACHES, NECTARINES (For California: San Jose scale, European fruit lecanium, Walnut scale, Olive scale, Peach twig borer (Dormant Application)— $\frac{1}{2}$ pint plus dormant oil emulsion or dormant emulsive oil at the dosage recommended for the specific oil product per 100 gallons of water. Peach twig borer, Oriental fruit moth— $\frac{1}{2}$ pint per 100 gallons of water. For control of Oriental fruit moth— $\frac{1}{2}$ pint per 100 gallons of water. For control of Oriental fruit moth— $\frac{1}{2}$ pint per 100 gallons of water. Do not apply within 21 days of harvest. Do not apply more than 5 lbs actual parathion per acre between January 1 and harvest in California. Do not apply more than once after bloom. Do not exceed 250 gallons diluted spray per acre.

PEACHES, NECTARINES (Area Other Than California): Fruit tree leafroller, Cotton peach scale, Green peach aphid, Spider mites, Shot-hole borer (apply during peak adult beetle activity), Red-banded leafroller— $\frac{1}{2}$ pint per 100 gallons of water. Plum curculio, Oriental fruit moth, Peachtree borer (apply spray to trunk of trees and timed with moth flights), Calliopsis insects— $\frac{1}{2}$ to 1 pint per 100 gallons of water. For Oriental fruit moth: control, apply the spray at time of egg hatch of the broods. Use $\frac{1}{2}$ pint per 100 gallons for control of San Jose Scale, Lecaniums etc (apply after all eggs have hatched)— $\frac{1}{2}$ pint per 100 gallons of water. Do not apply more than 5 pints of product per acre per year. Do not apply within 14 days of harvest.

PEARS: Pearleaf blister mite— $\frac{1}{2}$ pint per 100 gallons of water in prebloom spray. Pear psylla— $\frac{1}{2}$ pint per 100 gallons of water in prebloom or postbloom sprays. Coding moth, Mealybugs, Woolly aphid, certain Spider mites—use dosages listed under APPLES. Injury may occur on Bosq variety. Do not apply within 14 days of harvest.

PEAS, BLACKBEY: Pea weevil, Thrips, Climbing cutworms, Armyworm, Leafminers, Aphids— $\frac{1}{2}$ pint per acre. Do not apply within 15 days of harvest.

PEAS, GARDEN: Thrips, Climbing cutworms, Armyworm, Leafminers, Aphids, Pea weevil— $\frac{1}{2}$ pint per acre. Do not apply within 10 days of harvest. Do not use for feed or storage.

PEANUTS: Fall armyworm, Rednecked peanutworm— $\frac{1}{2}$ pint per acre. Lesser cornstalk borer— $\frac{1}{2}$ pint per acre (direct spray to soil surface and base of plants). Do not apply within 15 days of harvest.

PEPPERS: Aphids, Flea beetles, Leafminers, Thrips— $\frac{1}{2}$ pint per acre. Do not apply within 15 days of harvest.

PLUMS, PRUNES: Olive scale, San Jose scale, European fruit lecanium, Mealy plus aphid eggs, Leafcurl plum aphid eggs (Dormant Application)— $\frac{1}{2}$ pint plus dormant oil emulsion or dormant emulsive oil at the dosage recommended for the specific oil product per 100 gallons. Fruit tree leafroller, Leafhoppers, Aphids, Spider mites, Thrips, Plum curculio, Peach twig borer, Coding moth— $\frac{1}{2}$ pint per 100 gallons of water. Eyespotted bud moth, Orange tortrix, Tussock moth— $\frac{1}{2}$ pint per 100 gallons of water. Do not apply within 14 days of harvest. Do not apply more than 4 pints per acre.

POTATOES: Use 1.3 to $\frac{1}{2}$ pint per acre for Aphids, Blister Beetles, Leaf Miners, Armyworms and Leaf footed Plant Bugs, Colorado potato beetle, Flea beetles, Grasshoppers, Whiteflies, Vegetable weevil, Leafhoppers, Thrips— $\frac{1}{2}$ to $\frac{1}{4}$ pint per acre. Stink bugs, Banded cucumber beetle, Looper (including Cabbage looper)—2.5 to $\frac{1}{2}$ pint per acre. Do not apply within 5 days of harvest. Garden symphytan—5 pints per acre. Broadcast spray on soil surface and work into top 6 to 9 inches by discing or rototilling. Pre-plant soil application only. Keep all persons and animals out of treated area for 48 hours. Do not contaminate ponds or streams.

PUMPKIN: Aphids, Cucumber beetle, Squash bug— $\frac{1}{2}$ pint per acre. Do not apply within 10 days of harvest.

RADISHES: Aphids, Leafminers, Thrips— $\frac{1}{2}$ pint per acre. Do not apply within 15 days of harvest.

RICE: Tadpole shrimp, Rice leafminer—1.6 Fl oz per acre. Do not apply within 1 day of harvest. Shrimp, crabs and crayfish may be killed. Do not apply where they are important resources. Do not apply within 4 days before or after an application of propanil. This product is to be applied by aircraft 5 to 10 gallons of water per acre. Strictly spill from rice fields for 2 days following application. Do not apply over canals or laterals.

RUTABAGAS: Aphids, Armyworm, Climbing cutworms, Diamondback moth, Vegetable weevil, Cabbage looper, Imported cabbage worm— $\frac{1}{2}$ pint per acre. Do not apply within 7 days of harvest.

SAFFLOWER: Aphids, Lygus bugs, Grasshoppers, Thrips— $\frac{1}{2}$ pint per acre. Do not apply after flowering.

SORGHUM: Sorghum midge— $\frac{1}{2}$ to $\frac{1}{4}$ pint per acre (2 applications 3 to 5 days apart, when approximately 90% of the heads have completely emerged from the boot or not later than start of blooming). Corn leaf aphid— $\frac{1}{2}$ to $\frac{1}{4}$ pint per acre. Mites— $\frac{1}{2}$ to $\frac{1}{4}$ pint per acre. Sorghum webworm, Corn earworm— $\frac{1}{2}$ to $\frac{1}{4}$ pint per acre. Fall armyworm— $\frac{1}{2}$ to $\frac{1}{4}$ pint per acre. Armyworm— $\frac{1}{2}$ to $\frac{1}{4}$ pint per acre. Chinch bug— $\frac{1}{2}$ to $\frac{1}{4}$ pint per acre. Lesser cornstalk borer— $\frac{1}{2}$ pint per acre. Do not apply within 12 days of harvest or cutting for storage.

SOYBEANS: Webworms— $\frac{1}{2}$ pint per acre. Velvetbean caterpillar, Green cloverworms, Eyespotted spider mite, Stink bugs— $\frac{1}{2}$ pint per acre. Corn earworm, fall armyworm— $\frac{1}{2}$ to $\frac{1}{4}$ pint per acre. White grubs, Wireworms—broadcast $\frac{1}{2}$ gallon per acre just prior to planting and thoroughly incorporate into upper 4 to 6 inches of soil. Do not apply more than two applications per growing season. Do not apply within 20 days of grazing or harvest.

SPINACH: Cabbage looper, Leafminers, Vegetable weevils, Flea beetles, Seedcorn maggot on crown, Aphids, Crown mites— $\frac{1}{2}$ pint per acre. Do not apply within 14 days of harvest.

SQUASH (Refer to Cucumbers)

STRAWBERRIES: Flea beetles, Field Crickets, Flower Thrips, Pameria, Leaf Mites, Aphids, Lygus bugs, Strawberry Leafroller, Strawberry Root Weevil, Whiteflies— $\frac{1}{2}$ pint per acre. For Potato leafhopper— $\frac{1}{2}$ pint per acre. Do not apply within 15 days of harvest.

SUGAR BEETS: A flea looper, Armyworm, Cutworms, Grasshoppers, Sugar beet webworm, Aphids, Leafminers, Lygus bugs, Blister beetles, Beet leafhopper, Beet crown borer, False celery beetle— $\frac{1}{2}$ to $\frac{1}{4}$ pint per acre. Do not apply within 15 days of harvest. Do not feed treated tops to dairy animals or animals being finished for slaughter. Garden symphytan—2 1/2 quarts per acre. Spray broadcast in soil before planting and work into upper 6 inches by discing or rototilling. Pre-plant soil treatment only.

To control White grubs and wireworms, broadcast $\frac{1}{2}$ gallon per acre just prior to planting and thoroughly incorporate into upper 4 to 6 inches of soil. Keep all persons and animals out of treated area for 48 hours. Do not contaminate ponds or streams.

SUGARCANE: Wireworms—use 1 quart in 10- to 12 inch band in open furrow at time of planting.

SWEET POTATOES: Aphids— $\frac{1}{2}$ pint per acre. Leafminers— $\frac{1}{2}$ to $\frac{1}{4}$ pint per acre. Do not apply within 15 days of harvest.

SWISS CHARD: Aphids, Leafminers, Crown mite, Vegetable weevil, Seedcorn maggot in crowns— $\frac{1}{2}$ pint per acre. Do not apply within 21 days of harvest.

TOMATOES: Aphids, Leafminers, Spider mites, Stink bugs, Colorado potato beetle, Flea beetles, Leafhoppers, Grasshoppers, Whiteflies, Thrips, Blister beetles— $\frac{1}{2}$ to $\frac{1}{4}$ pint per acre. Banded cucumber beetle, Loopers, Tomato russet mite, Plant bugs— $\frac{1}{2}$ pint per acre. Tomato psyllid— $\frac{1}{2}$ to $\frac{1}{4}$ pint per acre. Vegetable weevil, Armyworm— $\frac{1}{2}$ to $\frac{1}{4}$ pint per acre. Do not apply within 10 days of harvest.

TURNIPS: Aphids, Armyworm, Climbing cutworms, Diamondback moth, Thrips, Cabbage looper, Imported cabbage worm, Vegetable weevil— $\frac{1}{2}$ pint per acre. Do not apply within 10 days of harvest.

WALNUTS: Frosted scale, Lecanium scale (Dormant Application)— $\frac{1}{2}$ to $\frac{1}{4}$ pint plus dormant oil emulsion at the rate recommended for the specific oil product in 100 gallons of water per acre applied by air blast. (Spring Summer)— $\frac{1}{2}$ pint plus summer oil emulsion at the dosage recommended for the specific oil product in 100 gallons of water per acre applied by air blast sprayer. Putnam scale, San Jose scale (Dormant Application)— $\frac{1}{2}$ pint plus 8 gallons dormant oil emulsion in 200 gallons of water per acre applied by air blast sprayer. Do not apply after husks open.

| APPLES | | |
|--|--------------------------------------|---|
| Aphids, European fruit lecanium, Pear leaf mite, Tobacco moth | 1.5 to 1.3 pint 100 gallons of water | For Aphids—apply during pre-bloom stage, repeat at 10- to 14-day intervals or as needed. |
| Apple flea weevil, Oriental fruit moth | 1.5 pint 100 gallons of water | For Oriental fruit moth—apply at petal fall and every 10 to 14 days thereafter until control is achieved. |
| Apple lace bugs | 1.4 to 1.3 pint 100 gallons of water | |
| Apple red bugs, Eyespotted bud moth, Leafrollers, Leafminers, Mites, Spider mites, Cucumber beetle, Pearleaf blister mite, Pear psylla, and other mites | 1.5 to 1.4 pint 100 gallons of water | For Eyespotted bud moth—apply during pre-bloom if control is not achieved by a regular spray program. For Leafminers—apply during the pre-bloom or bloom stage. |
| Bagworm, Japanese beetle | 1.4 pint 100 gallons of water | |
| Coding moth, European apple leafminer, Pear leafminer, Red-banded leafhopper, Orange tortrix, Plum curculio, Scales (including Pear scale, San Jose scale, and Scaly scale), Strawberry root | 1.4 to 1.3 pint 100 gallons of water | For Coding moth—apply at petal fall and every 10 to 14 days thereafter until control is achieved. For European apple leafminer—apply at petal fall. For Red-banded leafhopper—apply during the pre-bloom or bloom stage. Repeat at 7 to 10 day intervals or as needed during the summer months. For Plum curculio—apply at petal fall and every 10 to 14 days thereafter until control is achieved. For Scales (including Pear scale, San Jose scale and Scaly scale) apply when crawlers are present. For Strawberry root—4 stage and trunk application. |
| Greenhouse flies | 1.5 to 1.3 pint 100 gallons of water | |
| Mealybugs | 1.4 to 1.2 pint 100 gallons of water | |

NOTE: Parathion may make the fruit and foliage of Gr. San Delicious, Jonathan and McIntosh apples as well as related varieties, such as Cortland, Redo, Merton and Merton.

| APPLES - For Aerial Application Only | | |
|--|--------------------------|--|
| Aphids, Apple red bug, Eyespotted bud moth, Grasshoppers, Mites, Spider mites, Cucumber beetle, Pear leaf mite, Pear psylla, and other mites | 1 pint per acre | For aerial application only |
| Coding moth | 1.5 to 1.3 pint per acre | For aerial application only. Add at petal fall and every 10 to 14 days thereafter until control is achieved. |
| Fruit tree leafhopper | 1.5 to 1.3 pint per acre | For aerial application only |
| Red-banded leafhopper | 1.5 to 1.3 pint per acre | For aerial application only |
| Leafhoppers, Pear leafminer, Pear psylla, and other mites, Scales (including Pear scale, San Jose scale, and Scaly scale) | 1.5 to 1.3 pint per acre | For Pear leafminer, Pear psylla, and other mites—apply at petal fall and every 10 to 14 days thereafter until control is achieved. For Scales—apply when crawlers are present. |

NOTE: Parathion may make the fruit and foliage of Gr. San Delicious, Jonathan and McIntosh apples as well as related varieties, such as Cortland, Redo, Merton and Merton.

WARRANTY AND LIMITATIONS 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 expressed or implied warranty, including any other expressed 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.

PARATHION MIXTURE LIQUID

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PM12 5905-86

Part of 3
**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
 Wash immediately with plenty of water. If liquid gets through clothes, remove them immediately.

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. If eyes or clothing wet with this material, must be removed immediately. Exposed persons must receive prompt medical treatment if they may die.

Some of the signs and symptoms of poisoning are: headache, nausea, vomiting, cramps, weakness, blurred vision, pin point pupils, dizziness, tightness in chest, labored breathing, nervousness, sweating, itching or stinging of eyes, drooling or frothing of mouth and nose, muscle aches and coma.

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

SWALLOWED - Drink 1 or 2 glasses of water and induce vomiting. 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.

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

5 GALLON DRUMS - 2 qts water, 1/2 cup caustic soda (household lye), 2 tablespoons of detergent.

30 GALLON DRUMS - 3 gallons water, 1 lb caustic soda (household lye), 1/2 cup detergent.

55 GALLON DRUMS - 5 gallons water, 1 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, 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 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.

WORK SAFETY RULES

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 jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30CFR Part 11.
- (4) Wear heavy duty natural rubber gloves.

Workers entering treated fields within 48 hours must wear protective clothing.

Keep all treated persons and children away from treated areas 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 or 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.

APPLES - Peach twig borer - 1/2 pint per 100 gallons of water. Do not apply within 14 days of harvest. Do not exceed 700 gallons dilute spray per acre.

AVOCADOS - Avocado leafhopper - 1/4 pint per 100 gallons of water. Do not apply within 21 days of harvest.

BARLEY, OATS AND WHEAT - Aphids (including Corn leaf aphid and Greenbug), Armyworm, Winter grain mite, Grasshoppers - 1/4 to 1/2 pint per acre. Black grass bug, Stink bugs, Spider mites (including Brown spider mite), Leafhoppers, Cutworms - 1/2 to 1/4 pint per acre. Corn chinch bug and False chinch bug - 1/2 pint per acre. Thrips - 1/2 to 2/5 pint per acre. Do not apply within 14 days of harvest.

BEANS - Aphids, Armyworm, Leafminers, Leafrollers, Leafhoppers, Mexican bean beetle - 3/10 to 1/2 pint per acre. Red spider mite, Limbean bird borer - 1/2 to 1/4 pint per acre. Cucumber beetle (Diabrotica spp.), Corn earworm - 1/2 to 1/4 pint per acre. White Hail - 1/2 pint per acre. Stink bugs - 3/10 to 1/5 pint per acre. Thrips - 1/2 to 2/5 pint per acre. Garden symphylan - 2 1/2 quart per acre. Spray broadcast on soil before planting and 1/2 inch into upper 6 inches by discing or rototilling. Preplant soil treatment only. Keep all persons and animals out of treated area for 48 hours. Do not contaminate ponds or streams. Do not apply within 15 days of harvest.

BEETS, TABLE - Aphids, Blister beetles, Leafhoppers, Webworms - 1/2 pint per acre. Do not apply within 21 days of harvest if tops are to be used for food or feed. Within 15 days of harvest, tops are to be discarded. Wireworms - 1/2 gallon per acre. Spray broadcast on soil before planting and work into upper 6 inches by discing or rototilling. Preplant soil treatment only. Apply at least 1 to 2 weeks before planting. Keep all persons and animals out of treated area for 48 hours. Do not contaminate ponds or streams.

BROCCOLI - Armyworm, Diamondback moth, Imported cabbage worm - 1/2 to 1/4 pint per acre. Climbing cutworms - 1/2 pint per acre. Vegetable weevil - 3/10 to 1/4 pint per acre. Aphids, Thrips - 1/2 to 1/4 pint per acre. Cabbage looper - 1/2 to 1/4 pint per acre. Do not apply to broccoli within 7 days of harvest.

BRUSSELS SPROUTS - Thrips, Aphids - 1/5 to 1/4 pint per acre. Diamondback moth, Imported cabbage worm, Armyworm - 1/2 to 1/4 pint per acre. Climbing cutworms - 1/2 pint per acre. Vegetable weevil - 3/10 to 1/4 pint per acre. Cabbage looper - 1/2 to 1/4 pint per acre. Do not apply within 21 days of harvest.

BLACKBERRIES, BOYSENBERRIES, DEWBERRIES, LOGAN BERRIES, RASPBERRIES - Aphids, Spider mites - 1/2 to 1/4 pint per acre. Two-spotted mite - 1/5 to 2/5 pint per acre. Red -

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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 sign of pulmonary edema the patient should be given supplemental oxygen and treated symptomatically. Continued absorption of the poison may occur and fatal relapses 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, shellfish, birds and other wildlife and other wildlife in treated areas may be killed. Keep out of lakes, streams, or ponds, swamps, marshes and estuaries. Shrimp and lobsters may be killed. Application rates recommended on this label do not apply where these are important resources. Do not apply where non-targeted species may be killed. Do not apply to water used for irrigation, recreation or domestic purposes. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water by washing of equipment or disposal of wastes. Apply this product only as specified on this label.

This pesticide is highly toxic to bees and should be directed treatment of bees or other pollinators. For more information, contact your State Agricultural Extension Service.

Physical and Chemical Hazards

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

DIRECTIONS FOR USE

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BEST DOCUMENT AVAILABLE

Storage and Disposal FOR ALL EMPTY CONTAINERS

DO NOT reuse the container for any other purpose.

EMPTY CONTAINERS — Break them up and bury them

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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.

POST TREATED AREA

Consult your State Agricultural Extension Service or Experiment Station regarding posting 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

MIXING AND SPRAYING

Mix in water with agitation, agitate while spraying. Apply to row and field crops in 3 to 10 gals. (California only use 20 to 150 gals. of water per acre by ground spray rig or 1 to 3 gal. (California only) use 5 to 15 gals. of water by airplane.

COMPATIBILITY — Avoid treatments containing highly alkaline materials. Do not use sulfur solutions or lime. Avoid compounds

WARNING

When used on citrus trees, the vines or grapes, do not allow workers to enter treated area within 21 days to engage in activities involving substantial contact with treated foliage.

ALFALFA, COVER VETCH AND GRASS Aphids, Alfalfa weevil, Alfalfa caterpillar, Armyworm, Root-rot beetle, Clover leaf weevil, Alfalfa root-knot, Alfalfa seed-chalcid, control on alfalfa
Cover head weevil
Green June beetle
... ..
Do not apply within 15 days of harvest.

ALMONDS Peach twig borer, San Jose scale, Olive scale, Mite eggs, Dormant Application — 1/2 pint plus dormant oil emulsion or dormant emulsive oil at the dosage recommended for the specific oil product per 100 gallons. Fruit-tree leafroller, Tent caterpillar, Peach twig borer — 1/2 pint per 100 gallons of water. Do not apply
Do not exceed 500 gallons of dilute spray per acre.

... ..
Do not apply within 21 days of harvest.

BLACKBERRIES, BOYSENBERRIES, HAWBERRIES, LOGAN BERRIES, RASPBERRIES. Aphids, Spider mites — 1/2 to 1/4 pint per acre. Twospotted mite — 1/5 to 2/5 pint per acre. Row
Do not apply within 15 days of harvest.

BLUEBERRIES Aphids, Blueberry maggot, Thrips — 1/2 pint per acre. Do not apply within 14 days of harvest.

CABBAGE, CAULIFLOWER Aphids, Thrips — 1/5 to 1/2 pint per acre. Vegetable weevil — 3/10 to 1/2 pint per acre. Diamondback moth, Armyworm, Imported cabbageworm — 1/2 to 1/4 pint per acre. Do not apply to cabbage within 10 days of harvest to cauliflower within 7 days of harvest. Wireworms — 1 1/2 to 2 quarts per acre. Pre-plant broadcast soil treatment. Apply at least 1 to 2 weeks before planting. Incorporate into top 4 to 9 inches of soil immediately after application. Keep all persons and animals out of treated area for 48 hours. Do not contaminate ponds and streams. To control Cabbage seed pod weevil on cabbage, row for seed only, use 1 pint per acre. Symphylans — 2 1/2 to 3 quarts per acre. Apply as a preplant treatment as for the wireworms.

CARROTS Aphids, Petriobia mites, Vegetable weevil — 1/2 pint per acre. Do not apply within 15 days of harvest. Do not use treated carrot tops for food or feed. Wireworms, Symphylans, Springtails — 2 1/2 quarts per acre. Spray broadcast on soil before planting and work into upper 6 to 9 inches by discing or rototilling. Pre-plant soil treatment only. Keep all persons and animals out of treated area for 48 hours. Do not contaminate ponds or streams.

CELERY Aphids, Celery leafhopper — 1/5 to 1/2 pint per acre. Spider mites — 2/5 to 4/5 pint per acre. Climbing cutworms — 1/2 pint per acre. Leafhoppers — 1/2 to 1/4 pint per acre. Cabbage looper — 1/2 to 1 pint per acre. Leafminers, Whiteflies — 1/2 pint per acre. Do not apply within 30 days of harvest. For Wireworms, Symphylans — 5 to 6 pints per acre. Spray broadcast on soil before planting and work into upper 6 to 9 inches by discing or rototilling. Pre-plant soil treatment only. Keep all persons and animals out of treated area for 48 hours. Do not contaminate ponds or streams.

CHERRY
Black cherry aphid eggs, Brown mite, Dormant Application — 1/2 pint plus dormant oil emulsion or dormant emulsive oil at the dosage recommended for the specific oil product per 100 gallons. Orange tortrix, Leafminers, Spider mites, Casebearer (during growing season), Black cherry aphid — 1/2 pint per 100 gallons of water. Plum curculio, Cherry fruitworm, Oriental fruit moth, Eye-spotted bud moth, Cankerworms, San Jose scale, crawlers — 1 pint per 100 gallons of water. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. For San Jose scale, crawlers, apply after emergence. Fruit flies — 1/2 to 1/4 pint per 100 gallons of water. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. Repeat immediately after every rain. For additional protection, use the same dosage in a post-harvest spray. Shothole borer (following petal fall and in late summer) — 1/2 pint per 100 gallons of water. Do not apply within 14 days of harvest. Do not exceed 400 gallons dilute spray per acre.

CITRUS (oranges, lemons, grapefruit) Mealybugs (Purple Scale, Cottony-suckling Scale — California only), Florida Red Scale and Snow Scale (excluding use in California), 1/3 pint per 100 gallons of water between June and September, or 3ozs. per 100 gallons of water in two sprays (the first in the spring and a second between June and September). Use 1/2 to 1/4 pint per 100 gallons for control of Grasshoppers
Do not apply more than

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2 7 3

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 APPLICATORS CERTIFICATION

STOP-READ LABEL BEFORE USING!

POISON
See Side Panels
for Antidote &
Precautions



DANGER
Keep Out of
Reach of
Children

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HELENA ACCEPTED

05 1980

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 5905-86

12-5-80

Parathion 8E

Emulsifiable Insecticide Concentrate

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| ACTIVE INGREDIENTS | (By Weight) |
|--|----------------|
| Parathion (O,O-Diethyl O-p-nitrophenyl phosphorothioate) | 77.00% |
| Related Compounds | 3.68% |
| Xylene | 12.32% |
| INERT INGREDIENTS | 7.00% |
| TOTAL | 100.00% |

One gallon of Helena Parathion 8E contains 8 pounds of Ethyl Parathion.

EPA Reg No. 5905-86

EPA Est

SN1-110680-1M

NOT FOR HOME USE

PRECAUTIONS

AL USUARIO SI usted lo lee inglés, no use este producto hasta que la etiqueta la haya sido explicada ampliamente

(TO THE USER If you cannot read English, do not use this product until the label has been fully explained to you.)

CORN: European corn borers (in the whorl)— $\frac{1}{2}$ pint per acre. Apply the first spray when 75% of the corn plants show "shot holes" feeding and follow with two additional sprays at 5- to 7-day intervals. Use sufficient water per acre to provide complete coverage and be certain whorls of plant are well-treated. Consult your State Agricultural Experiment Station for proper timing of treatments. Corn leaf aphid— $\frac{1}{2}$ pint per acre. Fall armyworm, Corn rootworm adults, Armyworm, Climbing cutworms, Grasshoppers, Japanese beetle— $\frac{3}{8}$ pint per acre. Corn earworm— $\frac{1}{2}$ to $\frac{3}{4}$ pint per acre. Apply to silks as soon as they appear. Make 3 to 4 applications at 2- to 3-day intervals as infestation warrants. Re-apply immediately after rain. Stink bugs, Spider mites— $\frac{1}{2}$ pint per acre. Chinch bugs— $\frac{1}{2}$ pint per acre. Do not apply within 12 days of harvest

COTTON: Aphids, Spider mites, Cotton leafworm, Cotton fleahopper, Garden webworm, Thrips— $\frac{1}{2}$ pint per acre. Cabbage looper— $\frac{3}{8}$ to $\frac{1}{2}$ pint per acre. Flea beetles, Saltmarsh caterpillar— $\frac{1}{2}$ to 1 pint per acre. Cotton leafperforator, Lygus bugs, False chinch bug, Serpentine leafminer, Southern garden leafhopper—1 pint per acre. Use enough water for complete coverage. Make first application when insects appear and repeat at 7-day intervals, if required. Workers entering fields within 24 hours after application should wear protective clothing. Do not handpick or harvest within 7 days

CRANBERRIES: Sparganothis fruitworm, Cranberry tipworm, Cranberry fruitworm, Blackheaded fireworm, Leafhoppers— $\frac{1}{2}$ pint per acre. Do not apply within 15 days of harvest

CUCUMBERS, MELONS (Cantaloupe, Muskmelon, Honeydew, Watermelon) OR SQUASH (summer, winter): Aphids, Stink bugs, Squash Vine Borer, Leafhoppers, Thrips— $\frac{1}{2}$ pint per acre. Use $\frac{1}{3}$ to $\frac{1}{2}$ pint per acre for control of Cucumber Beetle, Melon Worm, Pickle Worm and Serpentine Leafminers. Squash bugs, Flea Beetles and Leafminers (cucumbers and squash only), Spider Mites (melons and cucumbers only) apply $\frac{1}{2}$ pint per acre. Do not apply within seven days of harvest for melons. Make no application before cucumbers start to vine and do not apply within 15 days of harvest for both cucumbers and squash

CURRENTS: Aphids— $\frac{1}{8}$ to $\frac{1}{2}$ pint as leaf buds open in spring. Spider mites— $\frac{1}{2}$ to $\frac{1}{2}$ pint before bloom. Do not apply within 30 days of harvest

EGGPLANT: Aphids, Leafminers, Spider mites, Thrips, Whiteflies— $\frac{1}{2}$ pint per acre in sufficient water for thorough coverage. Do not apply within 15 days of harvest

ENDIVE, (ESCAROLE): Aphids, Leafhoppers— $\frac{1}{2}$ pint per acre. Do not apply within 21 days of harvest

Fig scale— $\frac{1}{2}$ pint per 100 gallons of water. Apply when scales appear and repeat as needed. For heavy infestations oil should be added to the spray mixture. Follow directions on the oil label. Do not apply within 30 days of harvest

GARLIC: Leafminers, Thrips, Brown wheat mite— $\frac{1}{2}$ pint per acre. Do not apply within 15 days of harvest

GRAPES: Hopper beetle, Grape leafhopper, Thrips, Spider mites, Grape berry moth, Grape mealybug (Dormant Application)— $\frac{1}{2}$ to $1\frac{1}{2}$ pints plus 2 gallons dormant oil emulsion per 100 gallons per acre. Apply 100 to 150 gallons spray solution per acre by ground sprayer. (Summer Application)— $\frac{1}{2}$ pint per 100 gallons per acre. Use 300 gallons spray solution per acre by ground sprayer in late June or early July. Do not apply within 15 days of harvest

HOPS: Aphids— $\frac{1}{2}$ to $\frac{4}{5}$ pint per acre. Spider mites— $\frac{4}{5}$ pint per acre. Do not apply within 15 days of harvest

KALE: Aphids, Armyworm, Climbing cutworms, Diamondback moth, Thrips, Cabbage looper, Imported cabbageworm, Vegetable weevil— $\frac{1}{2}$ pint per acre. Do not apply within 10 days of harvest

KOHLEWASSER: Armyworm, Climbing cutworms, Diamondback moth, Thrips, Vegetable weevil, Aphids, Cabbage looper, Imported cabbageworm— $\frac{1}{2}$ pint per acre. Do not apply within 7 days of harvest

LETTUCE (Head Bibb Leaf): Leafminers, Aphids, Bandwing, Cutworm, Cabbage looper, Armyworm, Leafhoppers, Lygus bugs— $\frac{1}{2}$ pint per acre. Do not apply within 7 days of harvest for head lettuce or within 21 days of bibb and leaf lettuce

LETTUCE (Head): Garden symphylan— $2\frac{1}{2}$ quarts per acre. Spray broadcast on soil surface and work into top 6 to 9 inches by discing or rototilling. Pre-plant soil application only. Keep a paper screen and animals out of treated area for 48 hours. Do not add to laminated ponds or streams

MELONS (Refer to Cucumbers)
MUSTARD GREENS: Cabbage looper, Leafminers, Aphids, Imported cutworms, Diamondback moth, Imported cabbageworm, Vegetable weevil, Armyworm and Thrips— $\frac{1}{2}$ pint per acre in sufficient water for thorough coverage. Do not apply within 15 days of harvest

ONIONS: Aphids, Leafminers, Stink bugs— $\frac{1}{2}$ pint per acre. Do not

PEACHES: Full bloom: most applications of product per $\frac{1}{2}$ pint per acre. Apply at 5-7 day intervals in gallons of spray water. 1 and 2 and 3 and 4 and 5 and 6 and 7 and 8 and 9 and 10 and 11 and 12 and 13 and 14 and 15 and 16 and 17 and 18 and 19 and 20 and 21 and 22 and 23 and 24 and 25 and 26 and 27 and 28 and 29 and 30 and 31 and 32 and 33 and 34 and 35 and 36 and 37 and 38 and 39 and 40 and 41 and 42 and 43 and 44 and 45 and 46 and 47 and 48 and 49 and 50 and 51 and 52 and 53 and 54 and 55 and 56 and 57 and 58 and 59 and 60 and 61 and 62 and 63 and 64 and 65 and 66 and 67 and 68 and 69 and 70 and 71 and 72 and 73 and 74 and 75 and 76 and 77 and 78 and 79 and 80 and 81 and 82 and 83 and 84 and 85 and 86 and 87 and 88 and 89 and 90 and 91 and 92 and 93 and 94 and 95 and 96 and 97 and 98 and 99 and 100

PEACHES: Leafhopper, (Shothole) leafhopper, fruit moth, with much water. For (each of the) Jose Scale pint per 10 product per

PEARS: Pe in prebloom in prebloom aphid, can may occur

PEAS, BLA worm, Leaf 15 days of t

PEAS, GAL miners, Ap 10 days of t

PEANUTS: acre Less surface an harvest

PEPPERS: acre Do no

PLUMS, PE lecanium. (Dormant A mant emul oil product. Spider mit, moth— $\frac{1}{2}$ l Orange for Do not app 4 pints per.

POTATOES Leaf Miner: potato beet weevil, Leaf cucumber b- per acre. Do pints per ac 9 inches by all persons contaminat

PUMPKIN: acre Do not

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RADISHES apply withi

RICE: Tadp apply withi be killed. Do not app propanit of water p following at

KUABAGA moth, ne

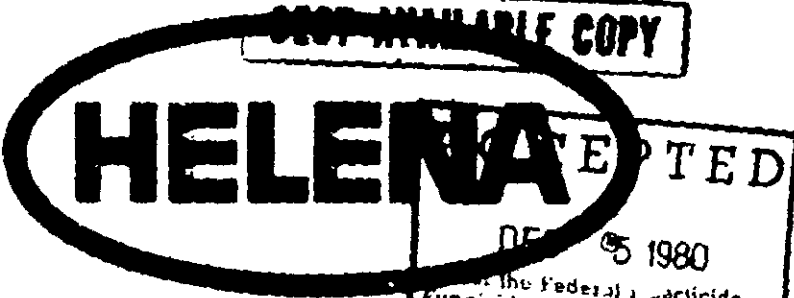
SAFFLE per ac

SORG TORUS I

have can of bloom r. 1/2 pint pe worm—21. Spray 10 plants for storage

SOYBEAN Green clo per acre. White gru to plantin of soil 0

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12-5-80

of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 5905-86

Parathion 8E

Emulsifiable Insecticide Concentrate

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ACTIVE INGREDIENTS

| | |
|--|--------------------|
| Parathion (O,O-Diethyl-O-p-nitrophenyl phosphorothioate) | (By Weight) 77.00% |
| Related Compounds | 3.68% |
| Xylene | 12.32% |
| INERT INGREDIENTS | 7.00% |
| TOTAL | 100.00% |

One gallon of Helena Parathion 8E contains 8 pounds of ethyl Parathion.

EPA Reg No 5905 86

EPA Est

SN1-110680-1M

NOT FOR HOME USE

PRECAUTIONS

AL USUARIO: Si usted no lee inglés, no use este producto hasta que la etiqueta la haya sido explicada amplemente

(TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.)

NET CONTENTS

U.S. GALLONS

DO NOT RE-USE THIS CONTAINER FOR ANY PURPOSE



cucumbers and squash

CURRENTS: Aphids—1/8 to 1/4 pint as leaf buds open in Spring Spider mites—1/4 to 1/2 pint before bloom Do not apply within 30 days of harvest

EGGPLANT: Aphids, Leafminers, Spider mites, Thrips, Whiteflies—1/2 pint per acre in sufficient water for thorough coverage Do not apply within 15 days of harvest

ENDIVE, (ESCAROLE): Aphids, Leafhoppers—1/2 pint per acre Do not apply within 21 days of harvest

FIGS: Fig scale—1/2 pint per 100 gallons of water Apply when insects appear and repeat as needed For heavy infestations oil may be added to the spray mixture Follow directions on the oil label Do not apply within 30 days of harvest

GARLIC: Leafminers, Thrips, Brown wheat mite—1/2 pint per acre Do not apply within 15 days of harvest

GRAPES: Hoplia beetle, Grape leafhopper, Thrips, Spider mites, Grape berry moth, Grape mealybug (Dormant Application)—1/4 to 1 1/2 pints plus 2 gallons dormant oil emulsion per 100 gallons per acre Apply 100 to 150 gallons spray solution per acre by ground sprayer (Summer Application)—1/2 pint per 100 gallons per acre Use 300 gallons spray solution per acre by ground sprayer in late June or early July Do not apply within 15 days of harvest

KOPS: Aphids—1/4 to 1/2 pint per acre Spider mites—1/2 pint per acre Do not apply within 15 days of harvest

KALE: Aphids, Armyworm, climbing cutworms Diamondback moth, Thrips Cabbage looper Imported cabbageworm Vegetable weevil—1/2 pint per acre Do not apply within 10 days of harvest

KORLAABI: Armyworm, Climbing cutworms, Diamondback moth, Thrips, Vegetable weevil, Aphids, Cabbage looper Imported cabbageworm—1/2 pint per acre Do not apply within 7 days of harvest

LETTUCE (Head, Bibb, Leaf) Leafminers, Aphids, Banded cucumber beetle, Cabbage looper, Armyworm, Leafhoppers, Lygus bugs—1/2 pint per acre Do not apply within 7 days of harvest in head lettuce, or within 21 days of Bibb and leaf lettuce

LETTUCE (Head) Garden symphylan—2 1/2 quarts per acre Spray broadcast on soil surface and work into top 6 to 9 inches by discing or rototilling Pre plant soil application only Keep people, pets and animals out of treated area for 48 hours Do not use in laminar ponds or streams

MELONS: (Refer to Cucumbers)

MUSTARD GREENS: Cabbage looper, Leafminers, Aphids, Climbing cutworms, Diamondback moth, Imported cabbageworm, Vegetable weevil, Armyworm and Thrips—1/2 pint per acre in sufficient water for thorough coverage Do not apply within 14 days of harvest

OKRA: Aphids, Leafminers, Stink bugs—1/2 pint per acre Do not apply within 21 days of harvest

OLIVES: Olive scale, Black scale—1/5 to 1/4 pint per 100 gallons of water Apply during the prebloom or postbloom stage or when insects appear Repeat as needed Apply 1/2 pint per 100 gallons of water during postbloom stage Use one gallon of light medium grade summer emulsive oil Do not apply after August 1

ONIONS: Leafminers, Thrips, Brown wheat mite—1/2 pint per acre Do not apply within 15 days of harvest

ORNAMENTALS (Outdoor Only): Aphids, Whiteflies, Spider mites, Leafhoppers, Thrips, Lace bugs, Bagworms, Cottony-cotton scale—1/2 pint with 100 gallons of water and spray until runoff For Spider mites and Leafhoppers repeat in 7 to 10 days

SUNSC... harvest

PEPPERS: acre Do not

PLUMS, P... pecanum, (Dormant) ... man! emul... oil product... Spider m... moth—1/2... Orange 10... Do not ap... 4 pints per

POTATOES: Leaf Miner... potato be... weevil, Lea... cucumber b... per acre D... pints per 8... 9 inches by... all persons... contaminat

PUMPKIN: acre Do not

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RADISHES: apply withi

RICE: Tadp... apply with... be killed... Do not ap... propant T... of water i... following a

RUTABAGA: moth, Vege... 1/2 pint per

SAFFL... (Refer to)

SORG... have 1/2... of bloom... 1/2 pint... 1/2 pint... worm—21... Spray... on plants... for storage

SOYBEAN: Green etc... per acre... White gr... fo plant... of soil... season

SFINAC: beetles... pint per

SQUAS:

STRAW: Penna... Straw... leafhop

SUGA: hoppe

P. 373

PEACHES: Pear leaf blister—1/3 pint per 100 gallons of water. Peach twig borer—1/4 pint per 100 gallons of water. Oriental fruit moth—1/4 pint per 100 gallons of water. For control of Oriental fruit moth, apply at petal fall and every 10 to 14 days thereafter until control is achieved. Thrips (nectarines only)—1/4 pint per 100 gallons of water. Do not apply within 21 days of harvest. Do not apply more than 5 lbs. actual parathion per acre between January 1 and harvest. In California, do not apply more than once after bloom. Do not exceed 750 gallons diluted spray per acre.

PEACHES, NECTARINES (areas Other Than California): Fruit tree leafroller, Cotton peach scale, Green peach aphid, Spider mites, Shot-hole borer (apply during peak adult beetle activity), Red-banded leafroller—1/4 pint per 100 gallons of water. Plum curculio, Oriental fruit moth, Peachtree borer (apply spray to trunk of trees and timed with moth flights) Catering insects—1/3 pint per 100 gallons of water. For Oriental fruit moth control, apply the spray at time of egg hatch of the broods. Use 2/5 pint per 100 gallons for control of San Jose Scale Lecanium scale (apply after all eggs have hatched)—1/4 pint per 100 gallons of water. Do not apply more than 5 pints of product per acre per year. Do not apply within 14 days of harvest.

PEARS: Pear leaf blister mite—1/3 pint per 100 gallons of water in prebloom spray. Pear psylla—1/4 pint per 100 gallons of water in prebloom or postbloom sprays. Codling moth, Mealybugs, Woolly aphid, certain Spider mites—use dosages listed under APPLES. Injury may occur on Bosc variety. Do not apply within 14 days of harvest.

PEAS, BLACK EYE: Pea weevil, Thrips, Climbing cutworms, Armyworm, Leafminers, Aphids—1/2 pint per acre. Do not apply within 15 days of harvest.

PEAS, GARDEN: Thrips, Climbing cutworms, Armyworm, Leafminers, Aphids, Pea weevil—1/2 pint per acre. Do not apply within 10 days of harvest. Do not use for feed or forage.

PEANUTS: Fall armyworm, Rednecked peanutworm—1/2 pint per acre. Lesser cornstalk borer—1/2 pint per acre (direct spray to soil surface and base of plants). Do not apply within 15 days of harvest.

PEPPERS: Aphids, Flea beetles, Leafminers, Thrips—1/2 pint per acre. Do not apply within 15 days of harvest.

PLUMS, PRUNES: Olive scale, San Jose scale, European fruit lecanium, Mealy plum aphid eggs, Leafcurl plum aphid eggs (Dormant Application)—1/4 pint plus dormant oil emulsion or dormant emulsive oil at the dosage recommended for the specific oil product per 100 gallons. Fruit tree leafroller, Leafhoppers, Aphids, Spider mites, Thrips, Plum curculio, Peach twig borer, Codling moth—1/2 pint per 100 gallons of water. Eyespotted bud moth, Orange tortrix, Tussock moth—1/4 pint per 100 gallons of water. Do not apply within 14 days of harvest. Do not apply more than 4 pints per acre.

POTATOES: Use 1/3 to 1/2 pint per acre for Aphids, Blister Beetles, Leaf Miners, Armyworms and Leaf-feeding Plant Bugs, Colorado potato beetle, Flea beetles, Grasshoppers, Whiteflies, Vegetable weevil, Leafhoppers, Thrips—1/4 to 1/2 pint per acre. Stinkbugs, Banded cucumber beetle, Looper (including Cabbage looper)—2/5 to 1/2 pint per acre. Do not apply within 5 days of harvest. Garden symphylan—5 pints per acre. Broadcast spray on soil surface and work into top 6 to 9 inches by discing or re-milling. Pre-plant soil application only. Keep all persons and animals out of treated area for 48 hours. Do not contaminate ponds or streams.

PUMPKIN: Aphids, Cucumber beetle, Squash bug—1/2 pint per acre. Do not apply within 10 days of harvest.

RADISHES: Aphids, Leafminers, Thrips—1/2 pint per acre. Do not apply within 15 days of harvest.

RICE: Tadpole shrimp, Rice leafminer—1.6 fl. oz. per acre. Do not apply within 1 day of harvest. Shrimp, crabs and crayfish may be killed. Do not apply where they are important resources. Do not apply within 1 day before or after an application of propanil. This product is to be applied by aircraft 5 to 10 gallons of water per acre. Extract spill from rice fields in 2 days following application. Do not apply over canals or laterals.

RUTABAGAS: Aphids, Armyworm, Climbing cutworms, Diamondback moth, Vegetable weevil, Cabbage looper, Imported cabbageworm—1/2 pint per acre. Do not apply within 7 days of harvest.

SAFFLOWER: Aphids, Lygus bugs, Grasshoppers, Thrips—1/2 pint per acre. Do not apply after flowering.

SORGHUM: Sorghum midge—1/2 to 1 pint per acre (2 applications 3 to 5 days apart when approximately 90% of the heads have completely emerged from the boot or not later than start of blooming). Corn leaf aphid—1/2 to 1 pint per acre. Mealybugs—1/2 pint per 100 gallons of water. For control of Oriental fruit moth, apply at petal fall and every 10 to 14 days thereafter until control is achieved.

SWEET POTATOES: Aphids—1/2 pint per acre. Leafminers—1/2 pint per acre. Do not apply within 15 days of harvest.

SWISS CHARD: Aphids, Leafminers, Crown mite, Vegetable weevil, Armyworm—1/2 to 1 pint per acre. Do not apply within 21 days of harvest.

TOBACCO: Aphids, Stink Bugs, Tobacco Suckly—1/4 pint per acre. For Green Peach Aphid use 1/2 to 1/3 pint per acre in sufficient water for good coverage. Do not apply within five days of planting, or days of cutting. Avoid plant juices coming in contact with the skin of other parts of the body of those who are engaged in cutting the crop.

TOMATOES: Aphids, Leafminers, Spider mites, Stink bugs, Colorado potato beetle, Flea beetles, Leafhoppers, Grasshoppers, Wire flies, Thrips, Blister beetles—1/4 to 1/2 pint per acre. Banded cucumber beetle, Loopers, Tomato russet mite, Plant bugs—1/2 pint per acre. Tomato psyllid—2/5 to 1/2 pint per acre. Vegetable weevil, Armyworm—1/2 to 1 pint per acre. Do not apply within 10 days of harvest.

TURNIPS: Aphids, Armyworm, Climbing cutworm, Diamondback moth, Thrips, Cabbage looper, Imported cabbageworm, Vegetable weevil—1/2 pint per acre. Do not apply within 10 days of harvest.

WALNUTS: Frosted scale, Lecanium scale (Dormant Application) 1/4 to 1/2 pint plus dormant oil emulsion at the rate recommended for the specific oil product in 100 gallons of water per acre applied by air blast (Spring/Summer)—1/2 pint plus summer emulsion at the dosage recommended for the specific oil product in 100 gallons of water per acre applied by air blast spray. Pulnam scale, San Jose scale (Dormant Application)—1 1/4 plus 8 gallons dormant oil emulsion in 200 gallons of water per acre applied by air blast sprayer. Do not apply after husks open.

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SUGARLANE: Use 1 quart in 10 to 12 inch long open furrow at time of planting.

SWEET POTATOES: Aphids—1/2 pint per acre. Leafminers—1/2 pint per acre. Do not apply within 15 days of harvest.

SWISS CHARD: Aphids, Leafminers, Crown mite, Vegetable weevil, Armyworm—1/2 to 1 pint per acre. Do not apply within 21 days of harvest.

TOBACCO: Aphids, Stink Bugs, Tobacco Suckly—1/4 pint per acre. For Green Peach Aphid use 1/2 to 1/3 pint per acre in sufficient water for good coverage. Do not apply within five days of planting, or days of cutting. Avoid plant juices coming in contact with the skin of other parts of the body of those who are engaged in cutting the crop.

TOMATOES: Aphids, Leafminers, Spider mites, Stink bugs, Colorado potato beetle, Flea beetles, Leafhoppers, Grasshoppers, Wire flies, Thrips, Blister beetles—1/4 to 1/2 pint per acre. Banded cucumber beetle, Loopers, Tomato russet mite, Plant bugs—1/2 pint per acre. Tomato psyllid—2/5 to 1/2 pint per acre. Vegetable weevil, Armyworm—1/2 to 1 pint per acre. Do not apply within 10 days of harvest.

TURNIPS: Aphids, Armyworm, Climbing cutworm, Diamondback moth, Thrips, Cabbage looper, Imported cabbageworm, Vegetable weevil—1/2 pint per acre. Do not apply within 10 days of harvest.

WALNUTS: Frosted scale, Lecanium scale (Dormant Application) 1/4 to 1/2 pint plus dormant oil emulsion at the rate recommended for the specific oil product in 100 gallons of water per acre applied by air blast (Spring/Summer)—1/2 pint plus summer emulsion at the dosage recommended for the specific oil product in 100 gallons of water per acre applied by air blast spray. Pulnam scale, San Jose scale (Dormant Application)—1 1/4 plus 8 gallons dormant oil emulsion in 200 gallons of water per acre applied by air blast sprayer. Do not apply after husks open.

| Insect | Rate | Application |
|---|---|--|
| Aphids, European red mite, Two-spotted spider mite | 1 1/2 to 2 pints per 100 gallons of water | For Aphids—apply during pre-bloom stage or stage thereafter, or when insects appear. Repeat at 10- to 14-day intervals as needed. |
| Apple Red weevil, Oriental fruit moth | 1/2 pint per 100 gallons of water | For Oriental fruit moth—apply at petal fall or every 10 to 14 days thereafter until control is achieved. |
| Apple lace bugs | 1 to 3 pints per 100 gallons of water | |
| Apple red bugs, Eyespotted bud moth, Leafhoppers, Leafminers, Mites, Spider mites (including Citrus mite, Pacific and Sycamore spider mite and other mites) | 1 1/2 to 2 pints per 100 gallons of water | For Eyespotted bud moth—apply during prebloom. If control is not achieved by a regular spray program. For Leafminers—apply during the pre-pink to pink stage. |
| Begonia, Japanese beetle | 1 1/2 pints per 100 gallons of water | |
| Codling moth, European apple sawfly, Fruit tree leafroller, Red-banded leafroller, Orange tortrix, Plum curculio, Scales (including Forbes scale, San Jose scale and Scuffy scale), Shot-hole borer | 1 1/2 to 2 pints per 100 gallons of water | For Codling moth—apply at petal fall and every 10 to 14 days thereafter until control is achieved. For European apple sawfly—apply at petal fall. For Red-banded leafroller—apply during the pink or pink stage. Repeat at 10 to 14 day intervals as needed during the summer months. For Plum curculio—apply at petal fall and every 10 to 14 days thereafter until control is achieved. For Scales (including Forbes scale, San Jose scale and Scuffy scale) apply when crawlers are present. For Shot-hole borer—Foliage and Trunk application. |
| Grasshoppers | 1 1/2 to 2 pints per 100 gallons of water | |
| Mealybug | 1 1/2 to 2 pints per 100 gallons of water | |

NOTE: For all insects use the minimum dosage of water listed in this column and maintain apples as long as possible after harvest. In California, harvest is from August to December.

| Insect | Rate | Application |
|---|---|--|
| Aphids, Apple red bug, Eyespotted bud moth, Grasshoppers, Mites, Spider mites (including Citrus mite, Pacific and Sycamore spider mite and other mites) | 1 1/2 to 2 pints per 100 gallons of water | For all insects apply during pre-bloom stage or stage thereafter until control is achieved. |
| Codling moth | 1 1/2 to 2 pints per 100 gallons of water | For aerial application only. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. |
| Fruit tree leafroller | 1 1/2 to 2 pints per 100 gallons of water | |

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STRAWBERRIES: Sparganothis fruitworm, Cranberry tipworm, Cranberry fruitworm, Blackheaded fireworm, Leafhoppers— $\frac{1}{4}$ pint per acre. Do not apply within 15 days of harvest.

CUCUMBERS, MELONS (Cantaloupe, Muskmelon, Honeydew, Watermelon) OR SQUASH (summer, winter): Aphids, Slink bugs, Nymph Vine Borer, Leafhoppers, Thrips— $\frac{1}{2}$ pint per acre. Use 1/3 to 1/2 pint per acre for control of Cucumber Beetle, Melon Worm, Pickleworm and Serpentine Leafminers. Squash bugs, Flea Beetles and Aphids (cucumbers and squash only), Spider Mites (melons and cucumbers only) apply $\frac{1}{2}$ pint per acre. Do not apply within seven days of harvest for melons. Make no application before cucumbers set to vine and do not apply within 15 days of harvest for both cucumbers and squash.

FRUIT TREES: Aphids— $\frac{1}{8}$ to $\frac{1}{4}$ pint as leaf buds open in spring. Spider mites— $\frac{1}{4}$ to $\frac{1}{2}$ pint before bloom. Do not apply within 15 days of harvest.

PLANT: Aphids, Leafminers, Spider mites, Thrips, Whiteflies— $\frac{1}{2}$ pint per acre in sufficient water for thorough coverage. Do not apply within 15 days of harvest.

DIVE (ESCAROLE): Aphids, Leafhoppers— $\frac{1}{2}$ pint per acre. Do not apply within 21 days of harvest.

FIG: Fig scale— $\frac{1}{2}$ pint per 100 gallons of water. Apply when scales appear and repeat as needed. For heavy infestations, oil may be added to the spray mixture. Follow directions on the oil label. Do not apply within 30 days of harvest.

WHEAT: Leafminers, Thrips, Brown wheat mite— $\frac{1}{2}$ pint per acre. Do not apply within 15 days of harvest.

GRAPES: Nymph beetle, Grape leafhopper, Thrips, Spider mites, Grape berry moth, Grape mealybug (Dormant Application)— $\frac{1}{4}$ to $\frac{1}{2}$ pint plus 2 gallons dormant oil emulsion per 100 gallons of water. Apply 100 to 150 gallons spray solution per acre by ground sprayer. (Summer Application)— $\frac{1}{2}$ pint per 100 gallons of water. Use 300 gallons spray solution per acre by ground sprayer in late June or early July. Do not apply within 15 days of harvest.

PEAS: Aphids— $\frac{1}{2}$ to $\frac{4}{5}$ pint per acre. Spider mites— $\frac{4}{5}$ pint per acre. Do not apply within 15 days of harvest.

CABBAGE: Aphids, Armyworm, climbing cutworms, Diamondback moth, Cabbage looper, Imported cabbageworm, Vegetable weevil— $\frac{1}{2}$ pint per acre. Do not apply within 10 days of harvest.

BRASSICAS: Armyworm, Climbing cutworms, Diamondback moth, Cabbage looper, Imported cabbageworm— $\frac{1}{2}$ pint per acre. Do not apply within 7 days of harvest.

CUCUMBERS (Head, Bibb, Leaf): Leafminers, Aphids, Banded cucumber beetle, Cabbage looper, Armyworm, Cutworms, Lygus bugs— $\frac{1}{2}$ pint per acre. Do not apply within 7 days of harvest for head cucumbers, or within 21 days of bidd and maturation.

CUCUMBERS (Head): Garden symphylan—2 $\frac{1}{2}$ quarts per acre. Spray broadcast on soil surface and work into top 6 to 9 inches by digging or rototilling. Pre-plant soil application only. Keep all pets and animals out of treated area for 48 hours. Do not contaminate ponds or streams.

ONIONS (Refer to Cucumbers)

STARD GREENS: Cabbage looper, Leafminers, Aphids, Climbing cutworms, Diamondback moth, Imported cabbageworm, Vegetable weevil, Armyworm, and Thrips— $\frac{1}{2}$ pint per acre in sufficient water for thorough coverage. Do not apply within 14 days of harvest.

LETTUCE: Aphids, Leafminers, Slink bugs— $\frac{1}{2}$ pint per acre. Do not apply within 21 days of harvest.

OLIVE: Olive scale, Black scale— $\frac{3}{5}$ to $\frac{4}{5}$ pint per 100 gallons of water. Apply during the prebloom or postbloom stage, or when scales appear. Repeat as needed. Apply $\frac{1}{2}$ pint per 100 gallons of water during postbloom stage. Use with one gallon of light oil grade summer emulsive oil. Do not apply after August 1.

CUCUMBERS: Leafminers, Thrips, Brown wheat mite— $\frac{1}{2}$ pint per acre. Do not apply within 15 days of harvest.

ORNAMENTS (Outdoor Only): Aphids, Whiteflies, Spider mites, Cutworms, Thrips, Flea bugs, Bagworms, Cottonycus scale— $\frac{1}{2}$ pint with 100 gallons of water and spray until runoff. For spider mites and Leafhoppers, repeat in 7 to 10 days. Juniper worm, Lecanium scale— $\frac{1}{2}$ pint with 100 gallons of water spray until runoff. Mealybugs, Scales, Leafhoppers— $\frac{1}{2}$ pint with 100 gallons of water and spray until runoff against young or tender stages. Repeat in 3 weeks if necessary. Spray foliage thoroughly covered. CHRISTMAS TREES—To control Aphids, Spider mites— $\frac{1}{4}$ pint per 100 gallons of water.

PEARS: Pearleaf blister mite— $\frac{1}{3}$ pint per 100 gallons of water in prebloom spray. Pear psylla— $\frac{1}{4}$ pint per 100 gallons of water in prebloom or postbloom sprays. Codling moth, Mealybugs, Woolly aphid, certain Spider mites—use dosages listed under APPLES. Injury may occur on Bosc variety. Do not apply within 14 days of harvest.

PEAS, BLACKBEY: Pear weevil, Thrips, Climbing cutworms, Armyworm, Leafminers, Aphids— $\frac{1}{2}$ pint per acre. Do not apply within 15 days of harvest.

PEAS, GARDEN: Thrips, Climbing cutworms, Armyworm, Leafminers, Aphids, Pear weevil— $\frac{1}{2}$ pint per acre. Do not apply within 15 days of harvest. Do not use for feed or storage.

PEANUTS: Fall armyworm, Rednecked peanutworm— $\frac{1}{2}$ pint per acre. Lesser cornstalk borer— $\frac{1}{2}$ pint per acre (direct spray to soil surface and base of plants). Do not apply within 15 days of harvest.

PEPPERS: Aphids, Flea beetles, Leafminers, Thrips— $\frac{1}{2}$ pint per acre. Do not apply within 15 days of harvest.

PLUMS, PRUNES: Olive scale, San Jose scale, European fruit lecanium, Mealy plum aphid eggs, Leafcutter plum aphid eggs (Dormant Application)— $\frac{1}{2}$ pint plus dormant oil emulsion or dormant emulsive oil at the dosage recommended for the specific oil product per 100 gallons. Fruit tree leafroller, Leafhoppers, Aphids, Spider mites, Thrips, Plum curculio, Peach twig borer, Codling moth— $\frac{1}{2}$ pint per 100 gallons of water. Eyespotted bud moth, Orange tortrix, Tussock moth— $\frac{1}{4}$ pint per 100 gallons of water. Do not apply within 15 days of harvest. Do not apply more than 4 pints per acre.

POTATOES: Use $\frac{1}{3}$ to $\frac{1}{2}$ pint per acre for Aphids, Blister Beetles, Leaf Miners, Armyworms and Leafhoppered Plant Bugs, Colorado potato beetle, Flea beetles, Grasshoppers, Whiteflies, Vegetable weevil, Leafhoppers, Thrips— $\frac{1}{4}$ to $\frac{1}{2}$ pint per acre. Stink bugs, Banded cucumber beetle, Looper (including Cabbage looper)— $\frac{2}{5}$ to $\frac{1}{2}$ pint per acre. Do not apply within 5 days of harvest. Garden symphylan—5 pints per acre. Broadcast spray on soil surface and work into top 6 to 9 inches by digging or rototilling. Pre-plant soil application only. Keep all persons and animals out of treated area for 48 hours. Do not contaminate ponds or streams.

PUMPKIN: Aphids, Cucumber beetle, Squash bug— $\frac{1}{2}$ pint per acre. Do not apply within 10 days of harvest.

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RADISHES: Aphids, Leafminers, Thrips— $\frac{1}{2}$ pint per acre. Do not apply within 15 days of harvest.

RICE: Tadpole shrimp, Rice leafminer—1.6 Fl. oz. per acre. Do not apply within 1 day of harvest. Shrimp, crabs and crayfish may be killed. Do not apply where they are important resources. Do not apply within 4 days before or after an application of propanil. This product is to be applied by aircraft 5 to 10 gallons of water per acre. Propanil spill from rice fields for 2 days following application. Do not apply over canals or laterals.

RUTABAGAS: Aphids, Armyworm, Climbing cutworms, Diamondback moth, Vegetable weevil, Cabbage looper, Imported cabbageworm— $\frac{1}{2}$ pint per acre. Do not apply within 7 days of harvest.

SAFFLOWER: Aphids, Lygus bugs, Grasshoppers, Thrips— $\frac{1}{2}$ pint per acre. Do not apply after flowering.

SORGHUM: Sorghum midge— $\frac{1}{2}$ to $\frac{1}{3}$ pint per acre. 2 applications 5 to 9 days apart when approximately 90% of the heads have completely emerged from the boot or not later than the start of blooming. Corn Earworm— $\frac{1}{2}$ to $\frac{1}{3}$ pint per acre. Aphids— $\frac{1}{2}$ to $\frac{1}{3}$ pint per acre. Sorghum webworm, Corn earworm— $\frac{1}{2}$ to $\frac{1}{3}$ pint per acre. Fall armyworm— $\frac{1}{2}$ to $\frac{1}{3}$ pint per acre. Armyworm— $\frac{1}{2}$ to $\frac{1}{3}$ pint per acre. Corn chinch bug— $\frac{1}{2}$ pint per acre. Do not apply within 14 days of harvest. Do not apply within 12 days of harvest or cutting for storage.

SOYBEANS: Webworms— $\frac{1}{2}$ to $\frac{1}{3}$ pint per acre. Velvetbean caterpillar, Green cloverworm, Eyespotted spider mite, Flea bugs— $\frac{1}{2}$ pint per acre. Corn earworm fall armyworm— $\frac{1}{2}$ to $\frac{1}{3}$ pint per acre. White grubs, Wireworms—broadcast—1 gallon per acre just prior to planting and thoroughly incorporate into upper 4 to 6 inches of soil. Do not apply more than two applications per growing season. Do not apply within 20 days of grazing or harvest.

SPINACH: Cabbage looper, Leafminers, Vegetable weevils, Flea beetles, Seedcorn maggot on crown, Aphids, Crown mites— $\frac{1}{2}$ pint per acre. Do not apply within 14 days of harvest.

SQUASH (Refer to Cucumbers)

STRAWBERRIES: Flea beetles, Field Crickets, Flower Thrips, Pameas, Spider Mites, Aphids, Lygus bugs, Strawberry Leafroller, Strawberry Root Weevil, Whiteflies— $\frac{1}{2}$ pint per acre. For Potato leafhopper— $\frac{1}{4}$ pint per acre. Do not apply within 15 days of harvest.

SUGAR BEETS: Alfalfa looper, Armyworm, Cutworms, Grasshoppers, Sugar beet webworm, Aphids, Leafminers, Lygus bugs, Blister beetles, Beet leafhopper, Beet crown borer, Flea beetle, leafminer— $\frac{1}{2}$ to $\frac{1}{3}$ pint per acre. Do not apply within 15 days of harvest. Do not feed treated tops to dairy animals or animals being finished for slaughter. Garden symphylan—2 $\frac{1}{2}$ quarts per acre. Spray broadcast on soil before planting and work into upper 6 inches by digging or rototilling. Pre-plant soil treatment only.

TOMATOES: Leafhoppers, Tomato rootworm, Plant bug— $\frac{1}{2}$ pint per acre. Tomato psyllid— $\frac{2}{5}$ to $\frac{1}{2}$ pint per acre. Vegetable weevil, Armyworm— $\frac{1}{2}$ to 1 pint per acre. Do not apply within 10 days of harvest.

TURNIPS: Aphids, Armyworm, Climbing cutworms, Diamondback moth, Thrips, Cabbage looper, Imported cabbageworm, Vegetable weevil— $\frac{1}{2}$ pint per acre. Do not apply within 10 days of harvest.

WALNUTS: Frosted scale, Lecanium scale (Dormant Application)— $\frac{1}{4}$ to $\frac{1}{2}$ pint plus dormant oil emulsion at the rate recommended for the specific oil product in 100 gallons of water per acre applied by air blast (Spring/Summer)— $\frac{1}{2}$ pint plus summer emulsion at the dosage recommended for the specific oil product in 100 gallons of water per acre applied by air blast spray. Putnam scale, San Jose scale (Dormant Application)— $\frac{1}{4}$ to $\frac{1}{2}$ pint plus 8 gallons dormant oil emulsion in 200 gallons of water per acre applied by air blast sprayer. Do not apply after husks open.

| APPLES | | |
|---|---|---|
| Aphids, European fruit lecanium, Pear psyllid, Pear spider mite | 1.5 to 2.0 pints per 100 gallons of water | For Aphids—Apply during pre-bloom stage or repeat later in season when insects appear. Repeat at 10- to 14-day intervals as needed. |
| Apple Red weevil, Orchard fruit moth | 1.5 to 2.0 pints per 100 gallons of water | For Orchard fruit moth—Apply at petal fall or every 10 to 14 days thereafter until control is achieved. |
| Apple lace bugs | 1.4 to 3.0 pints per 100 gallons of water | |
| Apple Red bug, Eyespotted bud moth, Leafhoppers, Leafminers, Spiders, Sucker including Fig, Cucumber mite, Pear and Schenck scale mite and other scale mites | 1.5 to 2.0 pints per 100 gallons of water | For Eyespotted bud moth—Apply during pre-bloom. If control is not achieved by a regular spray program, for Leafminers—Apply during the pre-bloom or pre-stage. |
| Bagworm, Japanese beetle | 1.4 to 2.0 pints per 100 gallons of water | |
| Codling moth, European apple leafminer, Pear leafhopper, Banded leafhopper, Orange tortrix, Plum curculio, Scales including Forbes scale, San Jose scale and Scaly scale, Spotted borer | 1.4 to 3.0 pints per 100 gallons of water | For Codling moth—Apply at petal fall and every 10 to 14 days thereafter until control is achieved. For European apple leafminer—Apply at petal fall. For Banded leafhopper—Apply during the pre-bloom or pre-stage. Repeat at 7 to 10 day intervals as needed during the summer months. For Plum curculio—Apply at petal fall and every 10 to 14 days thereafter until control is achieved. For Scales including Forbes scale, San Jose scale and Scaly scale—Apply when crawlers are present. For Spotted borer—Spray and trunk application. |
| Grasshoppers | 1.5 to 2.0 pints per 100 gallons of water | |
| Mealybugs | 1.4 to 2.0 pints per 100 gallons of water | |

NOTE: For application of this product, use the age of the orchard and the amount of insects present as a guide to determine the amount of product to be applied.

| APPLES - For Aerial Application Only | | |
|---|---|--|
| Aphids, Apple Red bug, Eyespotted bud moth, Grasshoppers, Mites, Spider mites, Sucker including Fig, Cucumber mite, Pear and Schenck scale mite and other scale mites | 1.5 to 2.0 pints per 100 gallons of water | For aerial application only. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. |
| Codling moth | 1.4 to 3.0 pints per 100 gallons of water | For aerial application only. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. |
| Fruit tree leafhopper | 1.5 to 2.0 pints per 100 gallons of water | For aerial application only. |
| Red-banded leafhopper | 1.5 to 2.0 pints per 100 gallons of water | For aerial application only. |
| Spotted borer | 1.4 to 2.0 pints per 100 gallons of water | For aerial application only. For trunk application—Apply at petal fall and every 10 to 14 days thereafter until control is achieved. |

NOTE: For application of this product, use the age of the orchard and the amount of insects present as a guide to determine the amount of product to be applied.

WARRANTY AND LIMITATIONS 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 thereon. Helena Chemical Company makes no other expressed or implied warranty, including any other expressed or implied warranty of FITNESS or of MERCHANTABILITY, and no agent of the Helena Chemical Company is authorized to do so except in writing with 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 or commercial damages such as loss of profits or value.

PARATHION MIXTURE LIQUID