

STOP - READ LABEL BEFORE USING!

POISON

See Side Panels
for Antidote &
Precautions



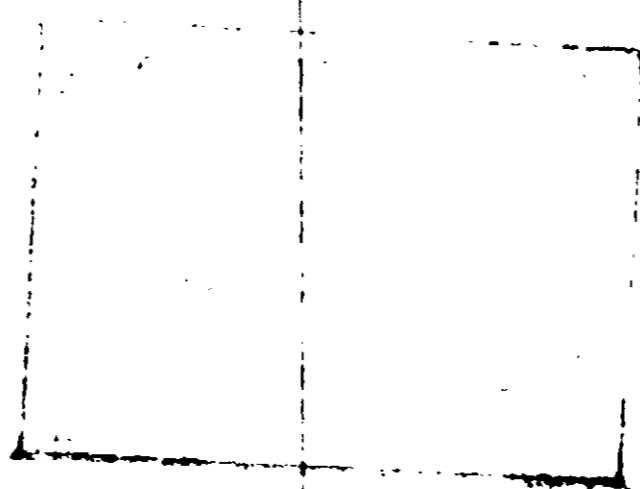
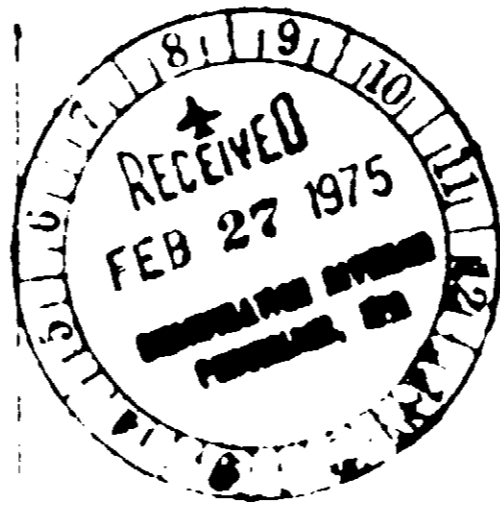
DANGER

Keep Out of
Reach of
Children



Parathion 8E

Emulsifiable Insecticide Concentrate

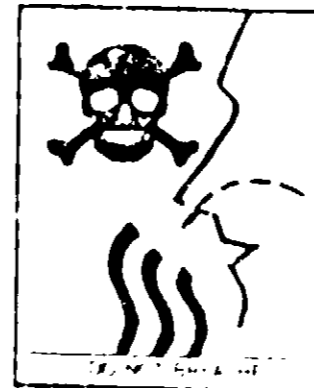
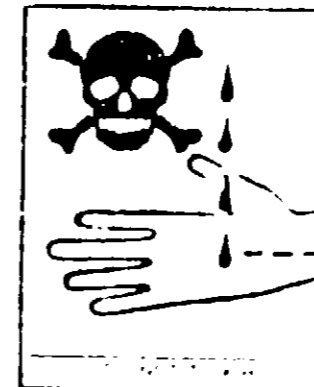
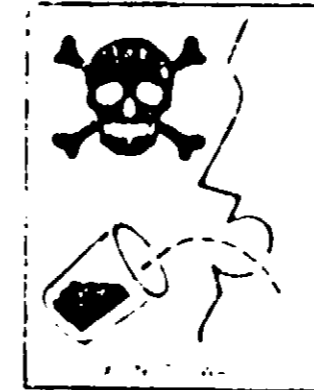


(By W-1)

30.00
11.00

DO NOT REUSE THIS CONTAINER FOR ANY PURPOSE

NOT FOR HOME USE



DANGER—POISON—PRECAUTIONS

POISONOUS IF SWALLOWED

POISONOUS BY SKIN CONTACT

POISONOUS IF BREATHED

POISONOUS TO FISH AND WILDLIFE

This product is toxic to fish, shrimp, crabs, birds, and other wild life. Do not use in or near water. Do not use in or near areas where birds, bees, or other insects are present. Do not use in or near areas where children or pets are present. Do not use in or near areas where food is stored. Do not use in or near areas where food is prepared. Do not use in or near areas where food is served. Do not use in or near areas where food is consumed. Do not use in or near areas where food is stored, prepared, served, or consumed. Do not use in or near areas where food is stored, prepared, served, or consumed.

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DANGER

DANGER - This product is extremely toxic to humans. It is a powerful nerve agent. It is highly volatile and can be absorbed through the skin. It is also highly flammable. It is a severe irritant to the eyes, nose, and throat. It is a severe irritant to the lungs. It is a severe irritant to the skin. It is a severe irritant to the mucous membranes. It is a severe irritant to the respiratory tract. It is a severe irritant to the gastrointestinal tract. It is a severe irritant to the genitourinary tract. It is a severe irritant to the reproductive system. It is a severe irritant to the nervous system. It is a severe irritant to the central nervous system. It is a severe irritant to the peripheral nervous system. It is a severe irritant to the autonomic nervous system. It is a severe irritant to the somatic nervous system. It is a severe irritant to the sensory nervous system. It is a severe irritant to the motor nervous system. It is a severe irritant to the somatosensory nervous system. It is a severe irritant to the somatomotor nervous system. It is a severe irritant to the somatosensory-motor nervous system. It is a severe irritant to the somatosensory-motor nervous system.

PRECAUTIONS - Do not use in or near areas where food is stored, prepared, served, or consumed. Do not use in or near areas where food is stored, prepared, served, or consumed. Do not use in or near areas where food is stored, prepared, served, or consumed. Do not use in or near areas where food is stored, prepared, served, or consumed.

ANTIDOTE - Administer activated charcoal immediately. Administer activated charcoal immediately. Administer activated charcoal immediately. Administer activated charcoal immediately.

ADMINISTRATION - Administer activated charcoal immediately. Administer activated charcoal immediately. Administer activated charcoal immediately. Administer activated charcoal immediately.

SYMPTOMS - Administer activated charcoal immediately. Administer activated charcoal immediately. Administer activated charcoal immediately. Administer activated charcoal immediately.

+ FIRST AID TREATMENT +

First Aid - Administer activated charcoal immediately. Administer activated charcoal immediately. Administer activated charcoal immediately. Administer activated charcoal immediately.

Respiratory - Administer activated charcoal immediately. Administer activated charcoal immediately. Administer activated charcoal immediately. Administer activated charcoal immediately.

Eye - Administer activated charcoal immediately. Administer activated charcoal immediately. Administer activated charcoal immediately. Administer activated charcoal immediately.

FOR ALL EMPTY CONTAINERS

DO NOT use the container for any other purpose. The container should be washed thoroughly with water before reuse.

GLASS CONTAINERS Wash with water and soap. Rinse thoroughly with water. Store in a clean, dry place, away from water supply.

METAL CONTAINERS:

1 GALLON CANS Pour 1 qt. of water into empty can and add 1/2 tsp. of soap or detergent. Rotate can carefully to wet all inner surfaces with the solution. Empty can and rotate again to drain. Rinse thoroughly with water. Store away from water supply. Repeat this procedure until all water is removed and a very deep, clean, white, frosted coat is formed.

5 GALLON, 30 GALLON and 55 GALLON DRUMS Use the following procedure to empty containers:

5 GALLON DRUMS 2 qts. water, 1/2 cup each of soda and 1/2 cup each of tap soap or detergent.

30 GALLON DRUMS 7 qts. water, 1/2 cup each of soda and 1/2 cup each of tap soap or detergent.


55 GALLON DRUMS 14 qts. water, 1/2 cup each of soda and 1/2 cup each of tap soap or detergent.

Rotate drum carefully to wet all inner surfaces with the solution. Empty drum and rotate again to drain. Rinse thoroughly with water. Store away from water supply.

CAUTION Handle drums with care. Do not lift with extreme care. Do not lift with one hand. Do not lift with feet and hands. Do not lift with arms. Do not lift with back. Do not lift with legs. Do not lift with chest. Do not lift with stomach. Do not lift with neck. Do not lift with head. Do not lift with face. Do not lift with mouth. Do not lift with nose. Do not lift with ears. Do not lift with eyes. Do not lift with hair. Do not lift with skin. Do not lift with clothes. Do not lift with shoes. Do not lift with socks. Do not lift with underwear. Do not lift with jewelry. Do not lift with accessories. Do not lift with tools. Do not lift with equipment. Do not lift with machinery. Do not lift with vehicles. Do not lift with structures. Do not lift with objects. Do not lift with people. Do not lift with animals. Do not lift with plants. Do not lift with minerals. Do not lift with fossils. Do not lift with artifacts. Do not lift with documents. Do not lift with books. Do not lift with records. Do not lift with tapes. Do not lift with discs. Do not lift with software. Do not lift with hardware. Do not lift with peripherals. Do not lift with networks. Do not lift with servers. Do not lift with databases. Do not lift with applications. Do not lift with services. Do not lift with systems. Do not lift with solutions. Do not lift with products. Do not lift with services. Do not lift with solutions. Do not lift with products.

IF THE ABOVE RINSE METHOD CANNOT BE USED

Remove the TOP of the container. Wash the interior with water and soap. Rinse thoroughly with water. Store in a clean, dry place, away from water supply.

 POISON SIGNS (Symptoms)

UNITED STATES GOVERNMENT
Public Copy

13

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.

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.

DESTROY EMPTY CONTAINER BY BURYING IN A SAFE PLACE AWAY FROM WATER SUPPLIES AND RUN-OFF. NEVER RE-USE.

DIRECTIONS FOR USE

DIRECTIONS FOR 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 100 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 combinations containing highly alkaline materials such as lime-sulfur solutions or lime. Alkaline compounds will reduce the effectiveness of Parathion.

WARNING

When used on citrus, peaches, nectarines 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 - $\frac{1}{4}$ to $\frac{1}{2}$ pint per acre. Alfalfa seed chalcid control on alfalfa grown for seed - $\frac{1}{4}$ to $\frac{1}{2}$ pint per acre. Clover head weevil, Spider mites, Asiatic garden beetle and Green June beetle - $\frac{1}{2}$ pint per acre. Do not spray legumes during bloom period to avoid injury to honey bees. Do not apply within 15 days of harvest.

ALMONDS: Peach twig borer, San Jose scale, Olive scale, Mite 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. Fruittree leafroller, Tent caterpillar, Peach twig borer - $\frac{1}{2}$ 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) - $\frac{1}{2}$ 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 - $\frac{1}{4}$ 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 - $\frac{1}{2}$ 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 - $\frac{1}{4}$ 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 - $\frac{1}{4}$ to $\frac{1}{2}$ pint per acre. Black grass bug, Stink bugs, Spider mites (including Brown spider mite), Leafhoppers, Cutworms - $\frac{1}{2}$ to $\frac{3}{4}$ pint per acre. Chinch bug and False chinch bug - $\frac{3}{4}$ pint per acre. Thrips - $\frac{1}{4}$ to $\frac{2}{5}$ 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, Limabean pod borer - 1/4 to 1/2 pint per acre. Cucumber beetles (Diabrotica spp.), Corn earworm - 1/4 to 3/4 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 work 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. Pre-plant 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, ROYSENBERRIES, DEWBERRIES, LOGANBERRIES, RASPBERRIES: Aphids, Spider mites - 1/4 to 1/2 pint per acre. Twospotted 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.

(5)

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 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 as for the Wireworms.

CARROTS: Aphids, Petrobia 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 leaf-tier - 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 3/4 pint per acre. Cabbage looper - 1/2 to 1 pint per acre. Leafminers, Whiteflies - 3/4 pint per acre. Do not apply within 30 days of harvest. For Wireworms, Symphylans, Springtails - 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.

CHERRIES: Brown apricot scale, Aphids, San Jose scale, Black scale, 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 - 1/4 pint per 100 gallons of water. Plum curculio, Cherry fruitworm, Oriental fruit moth, Eyespotted bud moth, Cankerworms, San Jose scale crawlers - 1/3 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 - 1/4 to 1/3 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) - 1/4 pint per 100 gallons of water. Do not apply within 14 days of harvest. Do not exceed 400 gallons dilute spray per acre.

(4)

CITRUS (ORANGES, LEMONS, GRAPEFRUITS): Purple scale, Florida red scale, Cottoncushion scale, Snow scales, Mealybugs - 1/3 pint per 100 gallons of water between June and September, or use 3 ozs. per 100 gallons of water in two sprays (the first in the spring and a second between June and September). Do not apply more than 2 quarts of this material per acre. Do not apply within 14 days of harvest.

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.

CORN: European corn borers (in the whorl) - 1/2 pint per acre. Apply the first spray when 75% of the corn plants show "shot hole" 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 beetle - 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. Re-apply immediately after rain. Stink bugs, Spider mites - 1/2 pint per acre. Chinch bugs - 3/4 pint per acre. Do not apply within 12 days of harvest.

COTTON: Aphids, Spider mites, Cotton leafworm, Cotton fleahopper, Garden webworm, Thrips - 1/4 pint per acre. Cabbage looper - 3/8 to 1/2 pint per acre. Stink bugs, Saltmarsh caterpillar - 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 - 3/4 pint per acre. Do not apply within 15 days of harvest.

CUCUMBERS: Aphids, Cucumber beetles, Flea beetles, Stink bugs, Squash vine borer, Leafhoppers, Thrips, Spider mites, Squash bug, Leafminers - 1/2 pint per acre. Do not apply within 15 days of harvest. Do not apply before vining.

(11)

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 leaf folder, Thrips, Spider mites, Grape berry moth, Grape mealybug (Dormant Application) - 3/4 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.

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 cabbageworm, 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 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 for head lettuce, or within 21 days of bibb and leaf lettuce.

LETTUCE (Head): Garden symphylan - 2½ 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 (Cantalope, Muskmelon, Honeydew, Watermelons): Stink bugs, Squash vine borer, Aphids, Thrips, Spider mites, Cucumber beetles, Leafhoppers - ½ pint per acre. Do not apply within 7 days of harvest.

MUSTARD GREENS: Cabbage loopers, Leafminers, Aphids, Climbing cutworms, Diamondback moth, Imported cabbageworm, Vegetable weevil, Armyworm, and Thrips - ½ pint per acre in sufficient water for thorough coverage. Do not apply within 14 days of harvest.

OKRA: Aphids, Leafminers, Stink bugs - ½ 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 ½ pint per 100 gallons of water during postbloom state. Use with one gallon of light medium grade summer emulsive oil. Do not apply after August 1.

ONIONS: Leafminers, Thrips, Brown wheat mite - ½ pint per acre. Do not apply within 15 days of harvest.

ORNAMENTALS (Outdoor Only): Aphids, Whiteflies, Spider mites, Leafhoppers, Thrips, Lace bugs, Bagworms, Cottoncushion scale - ½ 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 - 2/3 pint with 100 gallons of water and spray until runoff. Mealybugs, Scales, Leaf tiers - 3/4 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 - ½ 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) - ½ pint plus dormant oil emulsion or dormant emulsive oil at the dosage recommended for the specific oil product per 100 gallons. Peach twig borer, Oriental fruit moth - ½ 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) - ½ 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 (Areas Other Than California): Fruittree leafroller, Cottony peach scale, Green peach aphid, Spider mites, Shothole borer (apply during peak adult beetle activity), Redbanded leafroller - $\frac{1}{4}$ pint per 100 gallons of water. Plum curculio, Oriental fruit moth, San Jose scale, Peachtree borer, Catfacing insects - $\frac{1}{3}$ pint per 100 gallons of water. Lecanium scale (apply after all eggs have hatched) - $\frac{3}{8}$ 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 - $\frac{1}{3}$ 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, BLACKEYE: 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 forage.

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, 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. Fruittree leafroller, Leafhoppers, Aphids, Spider mites, Thrips, Plum curculio, Peach twig borer, Codling moth - $\frac{1}{2}$ pint per 100 gallons of water. Eyepotted bud moth, Orange tortrix, Tussock moth - $\frac{1}{4}$ pint per 100 gallons of water. Do not apply within 14 days of harvest. Do not apply more than 4 pints per acre.

POTATOES: Aphids, Colorado potato beetle, Flea beetles, Grasshoppers, Whiteflies, Leafhoppers, Leafminers, Thrips - $\frac{1}{4}$ to $\frac{1}{2}$ pint per acre. Stink bugs, Banded cucumber beetle, Loopers (including Cabbage looper) - $\frac{2}{5}$ to $\frac{1}{2}$ pint per acre. Tomato russet mite, Potato psyllid - $\frac{1}{2}$ to 1 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 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 14 days before or after an application of propanil. This product is to be applied by aircraft in 5 to 10 gallons of water per acre. Restrict 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 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 - $\frac{1}{4}$ to $\frac{1}{2}$ pint per acre. Mites - $\frac{1}{4}$ to 1 pint per acre. Sorghum Webworm, Corn earworm - $\frac{1}{4}$ to $\frac{3}{4}$ pint per acre. Fall armyworm - $\frac{2}{5}$ to $\frac{3}{4}$ pint per acre. Armyworm - $\frac{2}{5}$ to $\frac{1}{2}$ pint per acre. Chinch bug - $\frac{3}{4}$ pint per acre. Leaf injury may occur on some hybrid varieties of sorghum. Spray a few rows a week or so before booting to test effects on plants. Do not treat within 12 days of harvest or cutting for storage.

SOYBEANS: Webworms - $\frac{1}{4}$ pint per acre. Velvetbean caterpillar, Green cloverworms, Twospotted spider mite, Stink bugs - $\frac{1}{2}$ pint per acre. Corn earworm, Fall armyworm - $\frac{1}{2}$ to $\frac{4}{5}$ 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 (SUMMER, WINTER): Stink Bugs, Squash vine borer, Cucumber beetles, Flea beetles, Leafhoppers, Thrips, Aphids, Squash bug, Leafminers - $\frac{1}{2}$ pint per acre. Do not apply within 15 days of harvest.

STRAWBERRIES: Flea beetles, Field crickets, Flower thrips, Pameas, Spider mites, Aphids, Lygus bugs, Potato leafhopper, Strawberry leafroller, Strawberry root weevil, Whiteflies - $\frac{1}{2}$ pint per acre. Do not apply within 15 days of harvest.

SUGAR BEETS: Alfalfa looper, Armyworm, Cutworms, Grasshoppers, Sugarbeet webworm, Aphids, Leafminers, Lygus bugs, Blister beetles, Beet leafhopper, Beet crown borer, False celery leaf-tier - $\frac{1}{2}$ to $\frac{3}{4}$ 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 symphylan - $2\frac{1}{2}$ quarts per acre. Spray broadcast on 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 $\frac{3}{4}$ 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.

TOBACCO: Aphids, Stink bugs, Tobacco suckfly - $\frac{1}{4}$ pint per acre. Do not apply within 5 days of priming, or 15 days of cutting. Avoid plant juices coming in contact with the skin or 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, Whiteflies, Thrips, Blister beetles - $\frac{1}{4}$ to $\frac{1}{2}$ pint per acre. Banded cucumber beetle, Loopers, Tomato russet mite, Plant bugs - $\frac{1}{2}$ 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 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) - $1\frac{1}{2}$ pints plus 8 gallons dormant oil emulsion in 200 gallons of water per acre applied by air blast sprayer. Do not apply after husks open.

A P P L E S

<p>Aphids, European red mite, Twospotted spider mite</p>	<p>1/5 to 1/3 pint/100 gallons of water</p>	<p><u>For Aphids</u> - apply during pre-pink stage, pink stage, petal fall, or when insects appear. Repeat at 10- to 14-day intervals or as needed.</p>
<p>Apple flea weevil, Oriental fruit moth</p>	<p>1/5 pint/100 gallons of water</p>	<p><u>For Oriental fruit moth</u> - apply at petal fall and every 10 to 14 days thereafter until control is achieved.</p>
<p>Apple lace bugs</p>	<p>1/4 to 3/8 pint/100 gallons of water</p>	
<p>Apple red bugs, Eyespotted bud moth, Leafhoppers, Leafminers, Mites, Spider (including Clover mite, Pacific and Schoene spider mite and Willamette mite)</p>	<p>1/5 to 1/4 pint/100 gallons of water</p>	<p><u>For Eyespotted bud moth</u> - apply during prebloom, if control is not achieved by a regular spray program. <u>For Leafminers</u> - apply during the pre-pink or pink stage.</p>
<p>Bagworm, Japanese beetle</p>	<p>1/4 pint /100 gallons of water</p>	

14

(continued)

A P P L E S

<p>Codling moth, European apple sawfly, Fruittree leafroller, Redbanded leafroller, Orange tortrix, Plum curculio, Scales (including Forbes scale, San Jose scale, and Scurfy scale), Shothole borer</p>	<p>1/4 to 1/3 pint/100 gallons of water</p>	<p><u>For Codling moth</u> - apply at petal fall and every 10 to 14 days thereafter until control is achieved. <u>For European apple sawfly</u> - apply at petal fall. <u>For Redbanded leafroller</u> - apply during the pre-pink or pink stage. Repeat at 7- to 10-day intervals, or as needed during the summer months. <u>For Plum curculio</u> - apply at petal fall and every 10 to 14 days thereafter until control is achieved. <u>For Scales</u> (including Forbes scale, San Jose scale, and Scurfy scale) - apply when crawlers are present. <u>For Shothole borer</u> - Foliage and Trunk application.</p>
<p>Grasshoppers</p>	<p>1/5 to 3/8 pint/100 gallons of water.</p>	
<p>Mealybugs</p>	<p>1/4 to 1/2 pint/100 gallons of water</p>	
<p>NOTE: Parathion may injure the fruit and foliage of Golden Delicious, Johnathan, and McIntosh apples as well as related varieties, such as Cortland, Kendall, Macoun, and Melba.</p>		

17

A P P L E S - For Aerial Application Only

<p>Aphids, Apple red bugs, Eyespotted bud moth, Grasshoppers. Mites, Spider (including Clover mite, Pacific and Schoene spider mite and Willamette mite)</p>	<p>1 pint per acre</p>	<p>For aerial application only.</p>
<p>Codling moth</p>	<p>1/5 to 1 1/2 pint/acre</p>	<p>For aerial application only. Apply at petal fall and every 10 to 14 days thereafter until control is achieved.</p>
<p>Fruittree leafroller</p>	<p>1/5 to 1 pint/acre</p>	<p>For aerial application only.</p>
<p>Redbanded leafroller</p>	<p>1 to 1 1/2 pint/acre</p>	<p>For aerial application only.</p>
<p>Mealybugs, European red mite, Twospotted spider mite, Orange tortrix, Plum curculio, Scales (including Forbes scale, San Jose scale, Scurfy scale)</p>	<p>1 1/2 pint/acre</p>	<p>For aerial application only. <u>For Plum curculio</u> - apply at petal fall and every 10 to 14 days thereafter until control is achieved.</p>

NOTE: Parathion may injure the fruit and foliage of Golden Delicious,
Johnathan, and McIntosh apples as well as related varieties, such
as Cortland, Kendall, Macoun, and Melba.

