

PARATHION

Parathion 8 Flow Concentrate (LF)

READ LABEL BEFORE USING!



DANGER
Keep Out of Reach of Children

By .Vt.
80.5%
19.5%

nitrophenyl thiophosphate
Parathion per gallon

FOR HOME USE

CONTENTS 5 GALLONS LIQUID

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 30 CFR Part 11. (4) Wear heavy duty, natural rubber gloves.

WORK SAFETY RULES

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

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

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

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

Do not store next to feed or food, or transport in or on vehicles containing foodstuffs or feeds. **Do not apply under conditions involving possible drift to food, forage, or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.**



POISON SIGNS (Symptoms)

Parathion is a very dangerous poison. It rapidly enters the body on 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.



FIRST AID TREATMENT



Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to parathion and describe his condition. **If breathing has stopped**, start artificial respiration immediately and maintain until doctor sees victim. **If swallowed** and victim is awake (conscious) make him vomit quickly

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

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

NOTE TO PHYSICIANS

Emergency Information—call (415) 233-3737. 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.

CONTAINER DISPOSAL

See attached booklet for proper disposal.

CROP USE DIRECTIONS

Use only according to attached label booklet instructions.

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

Chevron Chemical Company

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EPA Reg. No. 239-1685-AA



ORTHO

**Parathion
8 Flow**

Comments

Concentrate (LF)
(INSECTICIDE)

☠ POISON ☠

SEE CONTAINER LABEL FOR ANTIDOTE AND DANGER STATEMENTS.

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

KEEP PESTICIDE IN ORIGINAL CONTAINER.

WASH EMPTY CONTAINER WITH ALKALI AND DESTROY BY PUNCHING HOLES IN THE CONTAINER AND BURYING IN A SAFE PLACE AWAY FROM WATER SUPPLIES AND RUN-OFF. NEVER RE-USE.

DIRECTIONS FOR USE

**ORTHO****Parathion
8 Flow Concentrate (LF)****(INSECTICIDE — Contains 8 lbs. Parathion per gallon)****KEEP COOL IN SHADE. OUT OF DIRECT SUNLIGHT.****Do not use in undiluted form.****DIRECTIONS:** This product is intended to be applied only by specified and trained operators of aircraft or power driven ground equipment. This product is not to be used around homes or home gardens.**USE INDICATED AMOUNT PER 100 GALLONS WATER FOR CONVENTIONAL GROUND SPRAYERS—UNLESS OTHERWISE SPECIFIED.** ¼ Pint (4 fluid ounces) of ORTHO Parathion 8 Flow Concentrate (LF) contains the same amount of parathion as 1 lb. of a 25% or 1½ lbs. of a 15% formulation.**USE DESIGNATED AMOUNT OF PRODUCT IN THE FOLLOWING GALLONS WATER PER ACRE UNLESS OTHERWISE NOTED:****GROUND APPLICATION—Vegetable and Field Crops—30 to 250 gals.**
Cotton—3 to 20 gals. Deciduous Fruit Crops—60 to 800 gals. Citrus—400 to 3,000 gals. (On Young Fruit Plantings—Use a minimum of 15 gals. water per acre.)**Where Recommended for AIR APPLICATION—Field Crops—3 to 10 gals. Orchard Crops—10 to 20 gals.****TERMINAL USE DATES:** Unless otherwise specified, numbers shown in parenthesis () indicate number of days which must be allowed between the last application and harvest or grazing.**ALMONDS:** Oriental Fruit Moth, Twig Borer, Tent Caterpillar, Leaf Roller—½ to ½ pint. Apply full coverage spray. For Oriental Fruit Moth, apply at petal fall and every 10 to 14 days thereafter until control is achieved. Do not apply after hulls open. Do not feed treated hulls to livestock.**APPLES:** Codling Moth; Plum Curculio; Orange Tortrix; San Jose, Forbes and Scurfy Scales; Red Banded Leaf Roller (Second and Third Brood); Woolly Apple Aphid, Mealybug—¼ to ½ pt. By Air: 1½ pts. per acre. For Codling Moth and Plum Curculio, apply at petal fall and every

10 to 14 days thereafter until control is achieved. Bud Moth, Red Bug, Fruit Tree Leaf Roller, Rosy Apple Aphid, Green Apple Aphid, Red-Banded Leaf Roller (First Brood), Grasshoppers, European Red Mite, Two-Spotted Mite, Pacific Mite, Schoenii Mite, Willamette Mite, Clover Mite—¼ pt. By Air: 1 pt. per acre. Repeat at 7 to 10 day intervals during summer months. This product may cause injury to fruit and foliage of McIntosh Apples and related varieties. (14).

APRICOTS: Codling Moth, Oriental Fruit Moth and Tortrix—½ pt. For Codling Moth and Oriental Fruit Moth, apply at petal fall and every 10 to 14 days thereafter until control is achieved. Bud Moth, Fruit Tree Leaf Roller, Red Spider Mites and Aphids—¼ pt. (14). Do not apply until danger of bee poisoning has passed.**ARTICHOKE:** Plume Moth, Aphid—½ pt. By Air: ½ to 1 pt. per acre. (7).
BEANS: Mexican Bean Beetle, Leafhopper, Aphids, Red Spider Mites, Two-Spotted Spider Mite, Armyworms—¼ pt. Leaf Roller, Leaf Miner—½ pt. By Air: ½ pt. per acre. Repeat at 7 to 10 day intervals until controlled. (15).**BEET:** Webworm—½ pt. By Air: ½ pt. per acre. Aphids—¼ pt. By Air: ½ to ½ pt. per acre. Spider Mites—¾ pt. by Ground or Air. Do not apply within 15 days of harvest or 21 days if tops are to be used for food or feed.**CABBAGE, CAULIFLOWER, BROCCOLI, BRUSSELS SPROUTS, KALE, MUSTARD GREENS:** Diamond-Back Moth, Imported Cabbage Worm, Armyworms, Loopers—¼ to ½ pt. By Air: ½ pt. per acre. Specific Aphid and Thrip Control: ¼ pt. By Air: ½ to ½ pt. per acre. Cauliflower, Broccoli and Brussels Sprouts (7). Cabbage, Kale, Mustard Greens (10).**CARROTS:** Aphids—¼ pt., applying 300 gals. diluted spray per acre. By Air: ½ pt. per acre. (15). Do not use treated carrot tops for food or feed.**CELERY:** Celery Worms, Aphids—¼ pt. By Air: ½ pt. per acre. (21).**CHERRY:** Plum Curculio, Cherry Fruitworm, Oriental Fruit Moth, Bud Moth, Tortrix, Cankerworm—¼ pt. By Air: 1 pt. per acre. For Plum Curculio and Oriental Fruit Moth, apply at petal fall and every 10 to 14 days thereafter until control is achieved. Aphids, Red Spider Mites: ¼ pt. By Air: ½ to ¾ pt. per acre. (14).**CITRUS—(CALIFORNIA AND SOUTHWEST):** ORANGES, LEMONS, GRAPEFRUIT: Purple Scale—½ to ½ pt. Use a thoroughly drenching, completely covering spray. OR: ½ pt. ORTHO Parathion 8 Flow Concentrate (LF) plus 1¼ gals. ORTHOL-K READY-MIX Light Medium or ORTHOL-K READY-MIX Medium per 100 gals. water. Apply thoroughly as above. Restrict applications to periods of year recommended for oil sprays. Leaf drop will be greater than for oil spray alone. Citricola, Cottony-Cushion Scale (Central California): 1½ pts. Use 100 gals. diluted spray per acre.

For satisfactory results, apply and Early Winter Control: Do Scale—Single Brooded: Se 2 pts. (¾ to 1 qt.) Apply scarring of lemons, apply in fall. Such treatments will give 10 lbs. of actual parathion per acre is applied per acre, do not apply

CITRUS (Florida): Purple Scale, Mealybugs, Whitefly, Tortrix, Leaf Roller—1 pt. A

when used in the post-bloom through September. Make the ½ pt. Note: Parathion does not exceed 10 lbs. of actual parathion is applied per acre.

CORN: Sap Beetles, Corn water, the amount depending within 12 days of harvest or**COTTON:** Aphids, Red Spider—½ pt. per acre. Leaf Per

Stink Bugs, Salt Marsh Ca fields within 24 hours after Do not hand pick or harvest w

CUCUMBERS, SQUASH, M Pickleworm, Serpentine Le Air: ½ pt. per acre. Leafhopp

Cucumbers before vining or w (15).

GRAPES: Mealybug, Leaf acre. Red Spider Mites: ¼ per acre. (14).**LETTUCE:** Aphids, Loopers Miner—½ pt. per acre. Heat**ONIONS:** Thrips—¼ pt. Rep ½ pt. per acre. (15). Onion of planting.**ORNAMENTALS:** Commerc to residences or residential are Leafhoppers, Grasshoppers Spider Mites, Leafhoppers

ved. **Bud Moth, Red Bug, Green Apple Aphid, Red-oppers, European Red Mite, ii Mite, Willamette Mite.** Repeat at 7 to 10 day intervals cause injury to fruit and leaves. (14).

Both and Tortrix— $\frac{1}{3}$ pt. For y at petal fall and every 10 ed. **Bud Moth, Fruit Tree s**— $\frac{1}{4}$ pt. (14). Do not apply

y Air: $\frac{1}{2}$ to 1 pt. per acre. (7). **Aphids, Red Spider Mites,** pt. **Leaf Roller, Leaf Miner** 7 to 10 day intervals until

acre. **Aphids**— $\frac{1}{4}$ pt. By Air: y Ground or Air. Do not apply e to be used for food or feed. **RUSSELS SPROUTS, KALE,** **Imported Cabbage Worm,** r: $\frac{1}{2}$ pt. per acre. **Specific** o $\frac{1}{2}$ pt. per acre. **Cauliflower,** Kale, **Mustard Greens** (10).

gals. diluted spray per acre. d carrot tops for food or feed. y Air: $\frac{1}{3}$ pt. per acre. (21). n, **Oriental Fruit Moth, Bud** ir: 1 pt. per acre. For Plum etal fall and every 10 to 14 hids, **Red Spider Mites:** $\frac{1}{4}$

ST): **ORANGES, LEMONS,** Use a thoroughly drenching. Parathion 8 Flow Concentrate Light Medium or ORTHOL-K Apply thoroughly as above. mended for oil sprays. **Leaf Citricola, Cottony-Cushion** 3 gals. diluted spray per acre.

For satisfactory results, application must be made to top of trees. For Fall and Early Winter Control: Do not apply earlier than September 10. **Black Scale—Single Brooded:** See Red Scale directions. **Citrus Thrips:** $1\frac{1}{2}$ to 2 pts. ($\frac{3}{4}$ to 1 qt.) Apply 100 gals. diluted spray per acre. To prevent scarring of lemons, apply in late spring, throughout summer and in early fall. Such treatments will give 2 to 3 weeks control. (14). Do not exceed 10 lbs. of actual parathion per acre. If more than 4 lbs. actual parathion is applied per acre, do not apply within 30 days of harvest.

CITRUS (Florida): Purple Scale, Florida Red Scale, Chaff Scale, Snow Scale, Mealybugs, Whitefly, Aphids, Black Scale— $\frac{1}{4}$ to $\frac{1}{3}$ pt. **Orange Tortrix, Leaf Roller**—1 pt. Apply when needed. Best results are obtained when used in the post-bloom spray and in the summer spray during June through September. Make thorough coverage. **Cottony Cushion Scale**— $\frac{1}{3}$ pt. **Note:** Parathion does not control Soft Brown Scale. (14). Do not exceed 10 lbs. of actual parathion per acre. If more than 4 lbs. actual parathion is applied per acre, do not apply within 30 days of harvest.

CORN: Sap Beetles, Corn Leaf Aphid—Apply $\frac{1}{4}$ pt. per acre, diluted in water, the amount depending on type of equipment used. Do not apply within 12 days of harvest or cutting for forage.

COTTON: Aphids, Red Spider Mites— $\frac{1}{3}$ to $\frac{3}{4}$ pt. per acre. **Leafhoppers**— $\frac{1}{2}$ pt. per acre. **Leaf Perforator**—1 pt. per acre. **Cabbage Looper, Stink Bugs, Salt Marsh Caterpillars**— $\frac{1}{2}$ pt. per acre. Workers entering fields within 24 hours after application should wear protective clothing. Do not hand pick or harvest within 7 days.

CUCUMBERS, SQUASH, MELONS: Cucumber Beetle, Melon Worm, Pickleworm, Serpentine Leaf Miner, Aphids, Spider Mite— $\frac{1}{4}$ pt. By Air: $\frac{1}{3}$ pt. per acre. **Leafhoppers**— $\frac{1}{2}$ pt. by Ground or Air. Do not apply to Cucumbers before vining or within 15 days of harvest. **Melons** (7). **Squash** (15).

GRAPES: Mealybug, Leaf Folder— $\frac{1}{4}$ to $\frac{1}{3}$ pt. By Air: $\frac{1}{2}$ to $\frac{3}{4}$ pt. per acre. **Red Spider Mites:** $\frac{1}{4}$ pt., repeated at 5 to 7 days. By Air: $\frac{1}{3}$ pt. per acre. (14).

LETTUCE: Aphids, Loopers, Armyworms— $\frac{1}{3}$ to $\frac{1}{2}$ pt. per acre. **Leaf Miner**— $\frac{1}{2}$ pt. per acre. **Head Lettuce** (7). **Leaf Lettuce** (21).

ONIONS: Thrips— $\frac{1}{4}$ pt. Repeat at weekly intervals as necessary. By Air: $\frac{1}{3}$ pt. per acre. (15). **Onion Maggots**— $\frac{1}{2}$ pt. per acre in furrow at time of planting.

ORNAMENTALS: Commercial Plantings Only—Not to be used adjacent to residences or residential areas. **Aphids, Whiteflies, Red Spider Mites, Leafhoppers, Grasshoppers, Armyworms, Thrips, Leaf Miners**— $\frac{1}{4}$ pt. **Spider Mites, Leafhoppers**—Repeat in 7 to 10 days. **Mealybugs, Scales**

and **Leaf Tiers:** $\frac{1}{3}$ pt. against young or crawler stages. Repeat application may be necessary in 3 weeks.

PEAS: Aphids, Pea Weevil— $\frac{1}{4}$ pt. per acre. By Air: $\frac{1}{3}$ pt. per acre. (10). **PEACH, NECTARINE: Plum Curculio, Oriental Fruit Moth, San Jose Scale, Cat-Facing Insects**— $\frac{1}{4}$ to $\frac{1}{3}$ pt. By Air: 1 pt. per acre. For Plum Curculio and Oriental Fruit Moth, apply at petal fall and every 10 to 14 days thereafter until control is achieved. **Fruit Tree Leaf Roller, Cottony Peach Scale, Green Peach Aphid and Red Spider Mites:** $\frac{1}{4}$ pt. By Air: $\frac{3}{4}$ pt. per acre. **Peach Twig Borer**— $\frac{1}{2}$ pt. By Air: 1 pt. per acre. California Area—(21). Do not apply more than once after bloom. Do not apply more than 5 lbs. actual parathion per acre between Jan. 1 and harvest. All other areas—(14). Do not apply more than 5 lbs. actual parathion per acre per year.

PEARS: Pear Blister Mite— $\frac{1}{4}$ to $\frac{1}{3}$ pt. in pre-blossom spray. By Air: 1 to $1\frac{1}{2}$ pt. per acre. **Pear Psylla**— $\frac{1}{4}$ pt. either in pre-blossom or post-blossom sprays. By Air: $\frac{3}{4}$ to 1 pt. per acre. **Codling Moth, Mealybug, Wooly Aphid and certain Spider Mites.**—See directions under apples. Under certain conditions injury may result to Bosc Pears. (14).

PEPPERS: Aphid, Serpentine Leaf Miner— $\frac{1}{4}$ pt. By Air: $\frac{1}{3}$ pt. per acre. (15).

POTATO, TOMATO: Colorado Potato Beetle, Flea Beetle, Leafhopper, Serpentine Leaf Miner, Grasshoppers, White Fly, Aphids— $\frac{1}{4}$ pt. with regular fungicide program. By Air: $\frac{1}{3}$ pt. per acre. **Potatoes** (5). **Tomatoes** (10).

POTATO: Potato Psyllid— $\frac{1}{3}$ to 1 pt. per acre by ground or air application (5).

PRUNE, PLUM: Plum Curculio— $\frac{1}{3}$ to $\frac{1}{2}$ pt. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. **Bud Moth, Mealy Plum Aphid, Tortrix, Leaf Roller, Leafhoppers, Aphids, Red Spider Mites**— $\frac{1}{4}$ to $\frac{1}{3}$ pt. By Air: 1 to $1\frac{1}{2}$ pt. per acre in water to cover. **San Jose Scale, Parlatoria Scale, Brown Apricot Scale, Black Scale, Mealy Plum Aphid Eggs, Mite Eggs, Overwintering Twig Borer**—in Dormant— $\frac{1}{2}$ pt. (not over $2\frac{1}{2}$ pts. per acre) plus $1\frac{1}{2}$ gal. VOLCK Supreme Spray or 3 to 4 gals. KLEENUP Flowable Emulsion. (14).

SPINACH: Aphids— $\frac{1}{4}$ to $\frac{1}{2}$ pt. per acre. By Air: $\frac{1}{2}$ pt. per acre. (14).

STRAWBERRY: Leaf Roller, Red Spider Mite— $\frac{1}{4}$ to $\frac{1}{3}$ pt. Repeat at 7 to 10 day intervals. By Air: $\frac{1}{3}$ pt. per acre. (14).

TOBACCO (field): Aphids, Suckfly— $\frac{1}{4}$ pt. Make no application within 5 days of priming or 15 days of cutting. Avoid getting wet with plant juices when cutting. By Air: $\frac{1}{3}$ pt. per acre.

TOBACCO (seed bed): Aphids, Thrips, Flea Beetles— $\frac{1}{2}$ Teaspoonful per 100 sq. yds. in water to cover. Apply when plants are dry. Make first

application when beetle holes are first found in leaves or when aphids are observed on plants. More than 2 applications may cause injury. Rubber gloves should be worn when handling plants. Avoid plant juices from coming into contact with the skin.

TOBACCO: Wireworms—Broadcast Treatment—2 pts. per acre. Apply 1 to 2 weeks before transplanting. **Southern Potato Wireworm (North Carolina Only)**—1 pt. per acre. Disc into soil immediately. Do not apply parathion in transplant water.

TURNIPS: Diamond-Back Moth, Imported Cabbage Worm, Armyworms— $\frac{1}{4}$ to $\frac{1}{2}$ pt. **By Air:** $\frac{1}{2}$ pt. per acre. **Specific Aphid and Thrip Control**— $\frac{1}{4}$ pt. **By Air:** $\frac{1}{2}$ pt. per acre. (10).

VETCH, ALFALFA, CLOVER, WHEAT, OATS, BARLEY: Greenbug (Aphids), Armyworms, Grasshoppers— $\frac{1}{4}$ to $\frac{1}{2}$ pt. per acre by ground or air application. **Alfalfa Weevil Larvae**— $\frac{1}{2}$ pt. per acre. Apply when alfalfa is 12 to 14 inches high. For severe infestation repeat application to stubble after first cutting. (15).

PRE-PLANTING SOIL TREATMENT: Lettuce, Cabbage, Cauliflower, Carrots, Beans—Symphylids, Springtails, Centipedes—5 pts. per acre, working into top 3 to 6 inches of soil. Keep all persons and animals out of treated area for 48 hours. Do not contaminate ponds or streams.

CONDITIONS OF SALE: 1. Chevron Chemical Company (Chevron) warrants that this material conforms to the chemical description on the label and is reasonably fit for use as directed hereon. Chevron neither makes, nor authorizes any agent or representative to make, any other warranty of FITNESS or of MERCHANTABILITY, guarantee or representation, express or implied, concerning this material.

2. Critical and unforeseeable factors beyond Chevron's control prevent it from eliminating all risks in connection with the use of chemicals. Such risks include, but are not limited to, damage to plants and crops to which the material is applied, lack of complete control, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the uses stated hereon and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by Chevron under 1 above) resulting from handling, storage, and use of this material.

Chevron Chemical Company

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Form 8257-C

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