

Reg # 10163-52



Prn 12  
10163



**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.

# PROKIL PARATHION 8 EC

Active Ingredients: Parathion O-O-diethyl O-ethyl phenyl phosphorothioate  
Inert Ingredients: 19.24%  
Total: 100.00%  
Net Content: 8 lbs. Parathion per gallon

**ACCEPTED**  
FEB 15 1985  
Under the Federal Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 10163-52

**STOP - READ LABEL BEFORE USING!**  
**KEEP OUT OF REACH OF CHILDREN**

**DANGER — POISON — PRECAUTIONS**

### POISONOUS IF SWALLOWED

This product can kill you if swallowed even in small amounts: spray mist or dust may be fatal if swallowed.

### 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 or dust may be fatal.

### NOTE TO PHYSICIAN

Antidote—administer atropine sulfate in large doses TWO to FOUR mg intravenously intramuscularly as soon as cyanosis is overcome. Repeat at 5 to 10 minute intervals until signs of atropinization appear. 2-PAM chloride is also anticholinergic and may be administered in a dose of 10 mg with atropine. **DO NOT GIVE MORPHINE OR TRANQUILIZERS.** Parathion is a strong cholinesterase inhibitor affecting the central and peripheral nervous systems and producing cardiac and respiratory depression. At first signs of pulmonary edema, the patient should be given supplemental oxygen and treated symptomatically. Continued 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.**

**POISON**



**DANGER PELIGRO**

See Side Panels for Additional Precautions **NOT FOR HOME USE**

PRECAUCION AL USUARIO: Si usted no lee en las hojas de instrucciones hasta que le etiqueta haya sido explicado el empleo.

### STATEMENT OF PRACTICAL TREATMENT

CALL a doctor, physician, clinic or hospital immediately. Explain that the victim has been exposed to Parathion and describe label directions. **IF BREATHING HAS STOPPED**—Start artificial respiration immediately and maintain until a doctor sees victim. **IF SWALLOWED**—Drink 1 or 2 glasses of water and induce vomiting by sticking your finger down the throat. Do not induce vomiting if you are thirsty or if the person is unconscious. Get medical attention. **IF ON CLOTHING**—Immediately take off contaminated clothing with plenty of water while removing contaminated clothing and shoes. See other instructions.

Net Contents 5 Gallons  
**Gowan Company**

AGRICULTURAL CHEMICALS  
12300 E. ...  
EPA Reg. No. 10163-52 AA  
EPA Reg. No. 10163-52

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER—POISON

**USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE EQUIPMENT AND CLOTHING:** (1) Wear waterproof pants, coat, hat, rubber boots or rubber overshoes. (2) Wear safety goggles. (3) Wear mask or respirator approved by the Mining Enforcement and Safety Administration for Parathion protection. (4) Wear heavy duty nitrile rubber gloves.

### WORK SAFETY RULES

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Keep all unprotected persons and children away from treated area or where there is danger of drift. Do not eat, drink, or smoke with hands. If you feel sick in any way STOP work and get help right away (see Statement of Practical Treatment section). **IMPORTANT!** Before removing gloves, wash them with soap and water. Always wash face, hands and arms with soap and water before smoking, eating or drinking. **AFTER WORK** Take off all work clothes and shoes. Shower with soap and water. Wear only clean clothes when working. Do not wear contaminated clothing. Wash, if possible, clothing and protective equipment with soap and water before reuse. Respirator should be cleaned and filter replaced according to instructions.

### POISON SIGNS (Symptoms)

Parathion is a very poisonous poison. It rapidly enters the body through contact with all skin surfaces and eyes. Clothing wet with this material must be removed immediately. Eye contact should be treated by prompt medical treatment. Other symptoms: dizziness, headache, nausea, vomiting, cramps, weakness, blurred vision, difficulty breathing, tightness in chest, labored breathing, nervousness, sweating, watering of eyes, drooping of the third eyelid, and nose muscle spasms and tremor.

### ENVIRONMENTAL HAZARDS

This product is very toxic to fish and other wildlife. Do not use near streams, rivers, ponds, and lakes. It may be killed or injured. Do not use near water. Do not apply where there are birds, bees, or other animals. Do not apply where there are children or pets. Do not apply when workers or other persons are in areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply only as specified on the label. This product is highly toxic if bees exposed to direct treatment. Do not use on plants. Protective information must be obtained from your Cooperative Agricultural Extension Service.

### PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame. Keep container closed. **NOTE TO USER:** Do not heat this material

above 131°F (55°C). Store at temperatures above 32°F (0°C) to avoid crystallization.

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. **RE-ENTRY STATEMENT**  
Do not enter treated areas for 48 hours unless appropriate protective clothing is worn. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written and oral warnings must include the following information. **DANGER** Area treated with Prokil Parathion 8EC on (date of application). Do not enter without appropriate protective clothing for 48 hours. In case of accidental exposure, follow instructions under Statement of Practical Treatment section.

### STORAGE AND DISPOSAL

**DO NOT USE OR STORE** near heat or open flame. Keep container closed. Do not heat this material above 131°F (55°C). Store at temperatures above 32°F (0°C) to avoid crystallization. **DO NOT CONTAMINATE** water, food or feed by storage or disposal. **PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. **CONTAINER DISPOSAL:** Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State or local authorities.

### CROP USE DIRECTIONS

Use only as directed and instructions listed on the attached booklet to user.

rev. app. 12/84  
**PARATHION MIXTURE, LIQUID,**  
**POISON B, NA 2783, RQ**

Reg # 10163-52  
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# PROKIL Parathion 8 EC

AN EMULSIFIABLE CONCENTRATE  
CONTAINING 8-LBS. PARATHION  
PER GALLON

## Directions For Use

EPA Reg. No. 10163-S2 AA  
EPA Est. No. 10163-AZ-1

### Gowan Company

P.O. Box 5696 Yuma, Arizona 85364

#### USE PRECAUTIONS

READ ALL PRECAUTIONS AND DIRECTIONS BEFORE USING. Use only for crops and claims recommended.

In order that pesticide residues on food and forage crops will not exceed tolerances established by the Federal Food and Drug Administration, use only at recommended rates and intervals, and do not apply closer to harvest than specified. Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals or onto adjoining food, fiber, or pasture crops. **The grower is responsible** for residues on his crops as well as for damages caused by drift from his property to that of others.

Consult state agricultural extension service or state agricultural experiment stations for additional information, as timing and number of applications needed will vary with local conditions.

Application can be made by aircraft or ground power equipment by trained personnel only using approved protective equipment. Do not apply with hand equipment.

Pour specified amount of this product into nearly filled spray tank. Add balance of water to fill tank. If mixture does not mix readily, but tends to separate as an oily layer, do not use as injury to plants may result. Do not combine with wettable powders unless previous use of the mixture has proven physically compatible and safe to plants. **Always** thoroughly emulsify this product with at least half of total water before adding wettable powder.

**SUGGESTED WATER RATES FOR AIRCRAFT AND GROUND APPLICATION.** (Actual rate required to provide thorough, uniform coverage varies with plant growth at time of application. Except as specified for certain uses, the following rates are therefore intended to cover a broad range of conditions.)

| Crop                                  | Gal. Water/Acre | Aircraft Ground |
|---------------------------------------|-----------------|-----------------|
| Vegetable & Field Crops               | 5-20            | 20-125          |
| Orchard, Grapes                       | 7-25            |                 |
| Orchard, Crops (See exceptions below) |                 | 30-800          |
| Citrus                                |                 | 500-3000        |
| Grapes                                |                 | 100-200         |

Maximum permissible rate per acre, expressed as Prokil Parathion 8-EC, is given in parenthesis ( ), after each crop claim.

#### FRUIT & NUT CROPS

(Also read Directions for Use)

Unless otherwise specified, rates are given in terms of Prokil Parathion 8-EC per 100 gals. of water for thorough coverage application. Unless otherwise specified, apply at the first sign of infestation and repeat at 7-10 day intervals as needed to maintain control, but observe use limitations given for specific crops.

**APPLES**—Codling moth, mealybug, orange tortrix, plum curculio, red-banded leafroller (2nd and 3rd brood) scales (San Jose, Forbes, scurfy) woolly apple aphid. Use 1/4 pt. For control of Codling moth and Plum curculio, apply at petal fall and every 10 to 14 days thereafter until control is achieved. Rosy and green apple aphids, two-spotted spider mite, fruit tree leafroller, European red mite—use 1/2 pint, eyespotted bud moth, red bug and Pacific, Schoenh and Williamette mites—use 1/4 pint; red-banded leafroller (1st brood)—use 3/8 pint.

**Note to User:** Injury to fruit and foliage may result from use of this material on McIntosh and related varieties. Do not apply within 14 days of harvest. (3/4 pt.)

**APRICOTS**—Codling moth, Oriental fruit moth tortrix. Use 1/2 pt. for control of Codling moth and Oriental fruit moth tortrix. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. Bud moth, fruit tree leafroller, spider mites, aphids, use 3/8 pt. Do not apply until danger of bee poisoning has passed. Do not apply within 14 days of harvest. (3-3/8 pt.)

**CHERRIES**—Black cherry aphid, eyespotted bud moth, lesser apple worm, mites, shot hole borer, western cherry fruit fly. Use 1/4 pt. For fruit fly control, begin applications at fly emergence and repeat at 7 to 10 day intervals. Do not apply within 14 days of harvest. (2 pt.)

**CITRUS (Calif. Recommendations)**—Citrus thrips. Use 1/2 pt. in 10-20 gal. water when applied by aircraft; 100-200 gal. water by ground equipment. Apply at petal fall; repeat in late summer and early fall to protect new growth and prevent fruit scarring. **Citrus Scales**—Prokil Parathion 8-EC is recommended for control of California Citrus Scales. The product may be used in conventional high-pressure ground sprayers or boom sprayers and airblast equipment when the latter are capable of providing thorough coverage. **Black Scale**—Use 1/2 pt. Make a full coverage spray during Aug.-Nov. **California Red and Yellow Scales**—Use 1/2 pt. alone or with 1 1/2-1 3/4 gal. of a light or light medium oil emulsion in a full coverage spray at recommended times. **Citricola and Cottonycushion Scales**—Use 1 1/2 pt. Apply 100-400 gal. spray per acre, or use 1/2 pt. in a full coverage spray during Aug.-Nov.; increase dose to 3/8 pt. during Feb.-Mar. and to 1/4 pt. during May and June application. **Purple Scale**—Use 1/2 pt. with 1 1/2-1 3/4 gal. of a light or light medium oil emulsion in a full coverage spray at recommended times. **Max. Rate/Acre and Date Limitation:** 1/2 gal. up to 14 days of harvest, 1 1/4 gal. up to 30 days of harvest. **Note to User:** Do not permit workers to enter the treated area to engage in any work requiring substantial contact with treated foliage for the following periods: Up to 4 pts. per

acre per year 21 days; 4 to 10 pts. per acre per year 30 days; and 8 or more pts. per acre per application or more than 10 pts. per acre per year 45 days.

**GRAPES (Calif. Recommendations)**—Mealybug. Use 1 pt. plus 2 gal. dormant oil emulsion. Apply during dormant period. Spray vines after pruning but before budding. Refer to Extension bulletin for complete spray program. **Leaf Folder.** Use 1 pt. **Mites.** Use 1/4 pt. Repeat applications at 5-7 day intervals. **Max. Rate/Acre and Date Limitations:** 1 1/2 pt. up to 14 days of harvest; 2 1/2 pt. if applied before fruit is the size of buckshot or after harvest. **Note to user:**—Do not permit workers to enter the treated area to engage in any work requiring substantial contact with treated foliage for 21 days.

**NECTARINES, PEACHES**—Oriental fruit moth. Use 1/2 pt. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. Cottony peach scales, fruit-tree leafroller, green peach aphid, spider mites. Use 3/8 pt. **Limitations: Areas other than Calif.:** Full coverage spray for control of scale insects. Do not apply within 14 days of harvest. Do not apply more than once after bloom. Do not apply more than 2 1/2 pt. per acre per application or more than 5 pt. per acre between Jan. 1st and harvest. **Note to User:**—Do not permit workers to enter the treated area to engage in any work requiring substantial contact with treated foliage for 21 days after treatment.

**PEARS**—Codling moth, mealybug, pear blister mite, woolly aphid. Use 1/4 pt. in pre-blossom spray. Pear psylla, spider mites. Use 1/4 pt. Make either pre-blossom or post-blossom sprays for the pear psylla. Under some conditions injury may occur on Bosc pears. Do not apply within 14 days of harvest. (2 2/3 pt.)

**PRUNE, PLUM**—Peach twig borer. Use 1/2 pt. Bud moth, mealy plum aphid, tortrix moths, leafroller, leafhopper, aphids, spider mites. Use 1/2 pt. Do not apply within 14 days of harvest. (1 1/2 gal.)

**OLIVE**—Olive Scales (parlatona, oleander, black). Use 1/4 pt. or 1/2 pt. with regular oil spray during June or July. Do not apply after Aug. 1. (2 1/2 qt.)

**STRAWBERRIES**—Aphids. Use 1/4-3/4 pt. Do not apply within 14 days of harvest (3/4 pt.) Post-harvest control of root weevil. Use 3/4 pt. (1/4 pt.)

**WALNUTS**—Aphids, red spider mites. Use 1/4 pt. Repeat at 7-10 days for red spider mite. Codling moth. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. Use 1 pt. Do not apply after husks open. (2.5 qts.)

**VEGETABLE, FIELD & SPECIAL USES**  
(Also read Directions for Use)

Unless otherwise indicated, dosages are given in pints of Prokil Parathion 8-EC per acre in sufficient water to provide thorough coverage. Begin applications when insects first appear and repeat at 7-10 day intervals as needed to maintain control, but observe use limitations given for specific crops.

**ALFALFA SEED CROPS**—Alfalfa weevil larvae. Apply when 50-75% of terminals are damaged. Repeat at 7-10 day intervals or as needed. Apply to stubble immediately after removal of crop. Aphids, armyworms, blister beetles, lygus bugs. **Areas other than Calif.** Use 1/2-1 pt. **California:** Use 1/2-1/2 pt. Sunk bugs. **Areas other than Calif.:** Use 1 pt. **California:** Use 1 pt. Use in early morning or late evening to avoid injury to pollinators. Birds and other wildlife in treated areas may be harmed. Do not apply within 15 days of harvest. Do not use Parathion if field to be cut for hay (1 pt.)

**ARTICHOKE**—Aphids, codling moth. Use 1 pt. Do not apply within 14 days of harvest (1 pt.)

**BEANS (Dry and Green)**—Aphids, armyworms, leafhopper, leafminer, leafroller, Mexican bean beetle, spider mites, stink bugs, whitefly. Use 1/2-1 pt. 7 days of harvest (1 pt.)

**BEETS**—Aphids, armyworms, blister beetle, flea beetle, leafhopper, leafminer, webworm. Use 1/2-1 pt. Do not apply within 15 days of harvest. 21 days if treated tops are to be used for food or feed (1/2 pt.)

**CABBAGE, CAULIFLOWER, BROCCOLI, BRUSSELS SPROUTS, KALE, MUSTARD, TURNIPS**—Aphids, armyworms, cabbage looper, flea beetle, diamondback moth larvae, imported cabbage worm, serpentine leafminer, thrips. Use 1/2 pt.

**Note and Use Limitations.** Cabbage, kale, mustard, turnips: 1/4 pt.—7 days; 1/2 pt.—10 days. Cauliflower, broccoli: 1/2 pt.—7 days. Brussels sprouts: 1/2—7 days

**CARROTS**—Aphids. Use 1/4 pt. per 100 gals. Apply 200 gals. per acre. Do not use treated carrot tops for food or feed. Do not apply within 15 days of harvest (1/2 pt.)

**CELERY**—Celeryworms, leafhoppers, spider mites. Use 1/2-3/4 pt. Aphids, celery leafminer. Use 1 pt. (1/2 pt.—21 days of harvest; 3/4 pt.—30 days).

**CORN**—European corn borer. Consult your state agricultural experiment station for proper timing of treatments. Use 1/2 pt. Armyworms. Use 1/4 pt. Do not apply within 12 days of picking or cutting for forage (1/2 pt.).

**COTTON**—Aphids, cotton leafperforator, false chinch bug, leafhopper, lygus bugs, salt marsh caterpillar, spider mites, stink bugs. Apply 1/2 pt. (1 pt. for leafperforator). Do not hand pick or harvest within 7 days of application (1 pt.) Workers entering fields within 48 hrs. after application should wear protective clothing.

**CUCUMBER, SQUASH, MELONS**—Aphids, cucumber beetle, cutworms, darkling ground beetle, flea beetle, leafhopper, leafminer (serpentine leafminer), melon worm, pickle worm, squash bug, spider mites (pet-robias mite), thrips. Use 1/2-1 pt. Make no applications before plants start to vine or within 15 days of harvest on cucumber and squash; 7 days of harvest on melons.

**LEGUMES (alfalfa, clover, vetch), SMALL GRAINS (barley, oats, wheat)**—Alfalfa weevils (on alfalfa), aphids (including yellow clover aphid), armyworms, blister beetles and grasshoppers. Apply 1/2 pt. Make no application within 15 days of cutting or forage use or harvesting of grains. **(Areas other than Calif.** 1/4 pt. for alfalfa, vetch, barley, and oats. **California:** 1/4 pt. for all crops.) Wheat use 1 pt.

**LETTUCE, ENDIVE**—Aphids, leafhoppers. Use 1/2 pt. Do not apply within 7 days of harvest on head lettuce; 21 days on endive, leaf and bibb lettuce. (1/2 pt.)

**ONIONS**—Thrips. Apply 1/2 pt. and repeat at weekly intervals as necessary for control.

Do not apply within 15 days of harvest. (1/2 pt.)

**PEAS**—Aphids, armyworms, climbing cutworms, pea weevil, serpentine leafminer, thrips. Use 1/2 pt. Do not apply within 10 days of harvest, or 15 days (forage) of pre-harvest. (1/2 pt.)

**PEPPERS**—Aphids, pepper maggot, flea beetle, serpentine leafminer, thrips. Use 1/2 pt. Do not apply within 15 days of harvest. (1/2 pt.)

**POTATOES**—Aphids, Colorado potato beetle, flea beetle, leafhopper, leafminer, spider mites. Use 1/2 pt. Do not apply within 5 days of harvest. (1/2 pt.)

**RICE (Calif. Only)**—Rice leafminer, tadpole shrimp. Use 1/10 pt. in 5-10 gal. water. Apply by aircraft at the first sign of infestation after planting. Restrict spill from rice fields for 2 days following application. Do not apply within 1 day of harvest. **Note to User:** Do not use within 14 days of application of Stam 7-34 or Rogue. Injury may result. Do not spray over canals or laterals (1/10 pt.) Shrimp, crab and crayfish may be killed at these suggested rates. Do not apply where these are important resources.

**SORGHUM**—False chinch bug, grasshoppers. Use 1/4-1/2 pt. Corn earworm, sorghum webworm. Use 1/4-1/2 pt. Sorghum midge. Use 1/2 pt. and make two applications 3-5 days apart when approximately 90% of the heads have emerged from the boot, but do not apply later than blooming. Aphids, mites. Use 1 pt. Do not apply within 12 days of harvest or cutting for forage (1 pt.) Leaf injury may occur to some hybrid varieties.

**SPINACH**—Aphids, leafminer. Apply 1/2-1 pt. Do not apply within 14 days of harvest (1/2 pt.)

**SUGAR BEETS**—Aphids, armyworms, blister beetles, flea beetle, leafhopper, leafminer, mites, webworm. Use 1/2-1 pt. Do not apply within 15 days of harvest. (1/4 pt.)

**TOMATOES**—Tomato pinworm. Use 1/4-1 pt. Aphids, flea beetles, leafhoppers, serpentine leafminer, spider mites, stink bugs. Use 1/4-1/2 pt. Do not apply within 10 days of harvest. (1 pt.)

**MOSQUITO CONTROL**—On rice fields, irrigated pastures. Apply 1.6 fl. oz. in 5-20 gal. of water by aircraft or in 25-100 gal. of water

by ground equipment. Do not apply within 15 days of harvest or grazing. (1.6 fl. oz.) Do not apply to water drainage areas where runoff or drainage will contaminate lakes, ponds, or streams. Keep out of tidal marshes and estuaries. Shrimps, crab, and crayfish may be killed at these suggested rates. Do not apply where these are important resources.

**NOTICE ON CONDITIONS OF SALE**

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials.