

**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.

10163-54 PM-12 196

**PROKIL PARATHION 8 FLOWABLE**

Active Ingredients:	By Wt.
Parathion: O,O-diethyl O-p-nitrophenyl phosphorothioate.....	76.76%
Related Active Isomers of O,O-diethyl O-p-nitrophenyl phosphorothioate.....	3.68%
Inert Ingredients:.....	19.56%
Total	100.00%

Contains 8 lbs. Parathion per gallon.

**STOP - READ LABEL BEFORE USING!**

KEEP OUT OF REACH OF CHILDREN

**POISON**

See Side Panels for Additional Precautions



**DANGER**

PELIGRO

NOT FOR HOME USE

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que le etiqueta haya sido explicado ampliamente.

**STATEMENT OF PRACTICAL 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--Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

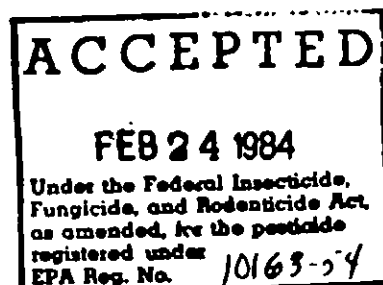
IN CASE OF CONTACT--Immediately flush eyes or skin with plenty of water while removing contaminated clothing and shoes. See doctor immediately.

Net Contents \_\_\_\_\_ Gallons

**Gowan Company**

AGRICULTURAL CHEMICALS

EPA Reg. No. 10163-54 AA  
EPA Est. No. 10163-AZ-1



12500 L. Co. 8th St.  
P.O. Box 5696  
Yuma, AZ 85364  
(602) 785-8844

CP 10163-54



DANGER -- POISON -- PRECAUTIONS



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POISONOUS IF SWALLOWED

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

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POISONOUS BY SKIN CONTACT

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Poisonous if touched by hands or spilled or splashed on skin, in eyes or on clothing (liquid goes through clothes.)

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POISONOUS IF BREATHED

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Breathing vapors, spray mist or dust may be fatal.

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.

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
DANGER--POISON**

**USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE EQUIPMENT AND CLOTHING:**

(1) Wear water-proof pants, coat, hat, rubber boots or rubber over-shoes. (2) Wear safety goggles. (3) Wear mask or respirator approved by the Mining Enforcement and Safety Administration for parathion protection. (4) Wear heavy duty, natural 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 a 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 (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, 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.



**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.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish, birds and other wildlife. Do not apply directly to water. 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 when weather conditions favor drift from 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 to bees exposed to direct treatment or residues on plants. Protective information may be obtained from your Cooperative Agricultural Extension Service.

*(see right side)*

#### 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 8 <sup>Fluore</sup> 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). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

#### CROP USE DIRECTIONS

Use only according to instructions listed on the attached booklet/folder.

BEST

# PROKIL Parathion 8 Flowable

CONTAINS 8 LBS. PARATHION  
PER GALLON

Do not apply to crops which are under stress or to plants which are under stress due to frost, drought, or other conditions. Do not apply to plants which are under stress due to frost, drought, or other conditions.

## Directions For Use

GOWAN COMPANY  
P.O. Box 5494  
Yuma, Arizona 85364  
EPA Reg. No. 10163-54 AA

**USE PRECAUTIONS**  
**PRECAUTIONS AND DIRECTIONS**  
ING. Use only for crops and claim-  
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**DIRECTIONS FOR USE**  
ion can be made by aircraft or  
ner equipment by trained person-  
using approved protective equip-  
not apply with hand equipment.

Pour specified amount of this product into  
nberly 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 re-  
sult. 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.

Do not apply to crops which are under stress or to plants which are under stress due to frost, drought, or other conditions. Do not apply to plants which are under stress due to frost, drought, or other conditions.

**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 in-  
tended to cover a broad range of conditions.)

Crop	Gal. Water/Acre	Aircraft Ground
Vegetable & Field Crops	3-20	20-125
Orchard, Grapes	7-25	
Orchard, Crops (See exceptions below)		300-800
Citrus		500-3000
Grapes		100-700

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

**RECOMMENDATIONS—**  
**FRUIT & NUT CROPS**  
(Also read Directions for Use)  
Unless otherwise specified, rates are given  
in terms of Prokil Parathion 8 Flowable per  
100 gals. of water for thorough coverage  
application. Unless otherwise specified,  
apply at the first sign of infestation and re-  
peat at 7-10 day intervals as needed to main-  
tain control, but observe use limitations  
given for specific crops.

**APPLES**—Codling moth, mealybug, orange  
territis, plum curculio, red-banded leafroller  
(2nd and 3rd yr.), scales (San Jose,  
Forbes, scurfy), woolly apple aphid. Use 1/4  
pt. for control of Codling moth and Plum cur-  
culio. Apply at petal fall and every 10 to 14  
days thereafter until control is achieved.  
Rusty 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, Schoenb., and Wil-  
son's mite—use 1/4 pint; red-banded  
leafroller (1st yr.)—use 2/5 pint.  
Caution: Injury to fruit and foliage may  
result from use of this material on  
McIntosh and related varieties. Do not

**APRICOTS**—Codling moth, Oriental fruit  
moth territis. Use 1/2 pt. for control of Cod-  
ling moth and Oriental fruit moth territis. Ap-  
ply at petal fall and every 10 days  
thereafter until control is achieved. Bud  
moth, fruit tree leafroller, scales, mites,  
aphids, use 2/5 pt. Do not apply until danger  
of bee poisoning has passed. Do not apply  
within 14 days of harvest. (3-2/3 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 inter-  
vals. 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 pro-  
tect new growth and prevent fruit scarring.  
**CITRUS SCALES**—Prokil Parathion 8 Flowable is  
recommended for control of California Citrus  
Scales. The product may be used in conven-  
tional high-pressure ground sprayers or  
boom sprayers and aircraft equipment when  
the latter are capable of providing thorough  
coverage. Black Scale—Use 1/3 pt. Make a  
full coverage spray during Aug.-Nov.

**California Red and Yellow Scales**—Use 1/3  
pt. alone or with 1-1/2—1-3/4 gal. of a light  
or light medium oil emulsion in a full cover-  
age spray at recommended times. Citricola  
and Cottony-cushion Scales—Use 1-1/2 pt.  
Apply 100-400 gal. spray per acre, or use  
1-1/6 pt. in a full coverage spray during Aug.-  
Nov., increase dose to 1-8 pt. during Feb.-  
Mar. and to 1/4 pt. during May and June ap-  
plications. Purple Scale—Use 1 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. 2-1/2/Acre and  
Date Lin. Scales—1/2 gal. up to  
harvest, 1-1/4 gal. up to 30 days of harvest  
thereafter. Do not permit workers to enter  
the treated area to engage in any work  
requiring substantial contact with treated fol-  
iage 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)—Mealy  
bug. Use 1 pt. plus 2 gal. dormant oil emul-  
sion. 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 inter-  
vals. 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. Do not permit  
worker to enter the treated area in excess

Note to

beetles, lygus bugs. Areas other than Calif. Use 1/4-1/2 pt. California: Use 3/8-1/2 pt. Stink bugs: Areas other than Calif.: Use 1/2 pt. California: Use 1/2 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 is to be cut for hay (1/2 pt.)

**ARTICHOKES**—Aphids, plume moth. Use 1/2 pt. Do not apply within 7 days of harvest (1/2 pt.)

**BEANS (Dry and Green)**—Aphids, armyworms, leafhopper, leafminer, leafroller, Mexican bean beetle, spider mites, stink bugs, whitefly. Use 1/2-3/4 pt. (1/2 pt. — 7 days of harvest. 3/4 pt. — 15 days.)

**BETS**—Aphids, armyworms, blister beetle, flea beetle, leafhopper, leafminer, webworm. Use 1/2-5/8 pt. Do not apply within 15 days of harvest. 21 days if treated tops are to be used for food or feed (5/8 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.

**Rate 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 pt. — 7 days.

**CARROTS**—Aphids. Use 1/3 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 (2/3 pt.)

**CELERY**—Celeryworms, leafhoppers, spider mites. Use 1/2-3/4 pt. Aphids, celery leaf lar. Use 1/2 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 bug. 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 24 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 (petrobio

tions before plants start to vine or within 15 days of harvest. — cucumber and squash 7 days of harvest. — melons

**LEGUMES (alfalfa, clover, vetch), SMALL GRAINS (barley, oats, wheat)**—Aphids, weevil (on alfalfa), aphids (including yellow clover or aphid), armyworms, blister beetles and grasshoppers. Apply 1/4 pt. Make no application within 15 days of cutting or forage use or harvesting of grains (Areas other than Calif. 3/4 pt. for alfalfa, vetch, barley and oats. California: 3/8 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 preharvest (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. ~~Caution:~~ Do not use within 14 days of application of Stem F34 or Regue. 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 1/4-3/8 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.

**SMACK**—Aphids, leafminer. Apply 1/4-1/2 pt. Do not apply within 14 days of harvest (1/2 pt.)

beetles, flea beetle, leafhopper, leafminer, mites, webworm. Use 1/2-3/4 pt. Do not apply within 7 days of harvest. (3/4 pt.)  
**TOMATOES**—Tomato pinworm. Use 3/4-1 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 1.5 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 (1.5 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, express 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 or such, or in combination with other materials.

**BEST AVAILABLE COPY**