

Reg No: 10163-61

PM-16

ACCEPTED

FEB 16 1989

PROKIL MALATHION 25-WP

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 10163-61

ACTIVE INGREDIENT:		
Malathion (O,O-dimethyl phosphorothioate of diethyl mercaptosuccinate).....		25.0%
INERT INGREDIENTS:.....		75.0%
TOTAL		100.0%

BY WT.

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONS

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED--Call a physician immediately. Have victim drink one or two glasses of water and induce vomiting by touching back of throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

IF INHALED--Remove victim to fresh air. Apply artificial respiration if indicated.

IF ON SKIN--Remove contaminated clothing and wash affected areas with soap and water.

IF IN EYES--Flush eyes with plenty of water for at least 15 minutes. Call a physician if irritation persists.

NOTE TO PHYSICIAN: Malathion may cause cholinesterase inhibition. Atropine is antidotal. 2-PAM may be effective as an adjunct to atropine.

Net Contents \_\_\_\_\_ Pounds

Gowan Company

EPA Reg. No. 10163-61  
EPA Est. No. 10163-AZ-1

R.O. Box 5696  
Yuma AZ 85364

front center panel

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Harmful if swallowed. Avoid breathing dust or spray mist. Avoid contact with skin. Wash thoroughly after using. Avoid contamination of food and feed. 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.

**ENVIRONMENTAL HAZARDS**

(CIP) This pesticide is toxic to fish, aquatic invertebrates and aquatic life stages of amphibians. Do not apply directly to water or wetlands (i.e. swamps, bogs, marshes and potholes). Drift and runoff may be hazardous to aquatic organisms in areas near the application site. Do not contaminate water when disposing of equipment washwaters. ✓

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. ✓

**PHYSICAL AND CHEMICAL HAZARDS**

Do not combine wettable powders with emulsifiable liquids in the same spray tank unless previous use of the materials being combined has proven them to be physically compatible.

**DIRECTIONS FOR USE**

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

Do not enter treated areas without protective clothing until sprays have dried. Because certain state may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. Workers should not enter treated areas of citrus, grapes and peaches to engage in any activity requiring substantial contact with treated foliage for 24 hours.

Measure the specified amount of this product, then wash through filter screen into nearly filled spray tank or pre-mix in a bucket. Add balance of water to fill tank. Keep agitator running during filling and spraying operations. Do not allow mixture to stand. Do not use in low voltage gear-type spray equipment.

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SUGGESTED WATER RATES FOR AIRCRAFT AND GROUND APPLICATION. (The 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	GALLONS WATER PER ACRE	
	Aircraft	Ground
Vegetable and Field Crops	5-20	20-125
Small Fruits	7-25	20-600
Tree Crops (Mature)	10-25	40-600
Citrus (Mature)	10-25	100-3000

**STORAGE AND DISPOSAL**

DO NOT CONTAMINATE water, food or feed by storage or disposal.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

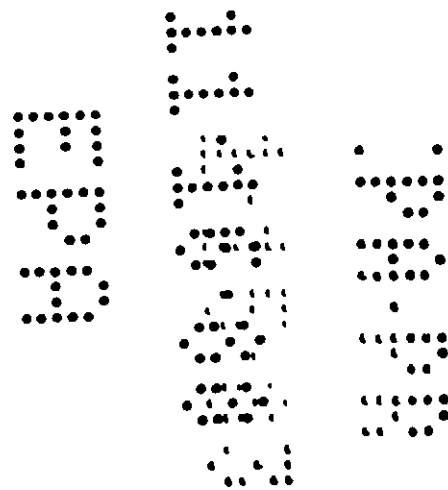
CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**CHEMIGATION STATEMENT**

Do not apply this product through any type of irrigation equipmemnt.

**CROP USE RECOMMENDATIONS**

See attached booklet/folder for specific crop use instructions.



right panel

(booklet/folder)

**PROKIL MALATHION 25-WP**

EPA Reg. No. 10163-61 AA

EPA Est. No. 10163-AZ-1

**GOWAN COMPANY**

12300 E. Co. 8th St.

P.O. Box 5696

Yuma, AZ 85364

(602) 783-8844

**ALFALFA, CLOVER:** Alfalfa weevil larvae, aphids, armyworms, clover leaf weevil, grasshoppers, lygus bugs, pea aphid, potato leafhoppers, spider mites, spittlebugs, vetch bruchid - 4-6 lbs. per acre. Use higher rate for Armyworm control. May be applied on day of harvest. (8 lbs. - Do not apply within 7 days of harvest)

**ASPARAGUS:** Asparagus beetle, thrips - 5 lbs. per acre in sufficient water to cover. Do not apply within one day of harvest. (5 lbs.)

**BEANS:** Aphids, cucumber beetle, Japanese beetle, potato leafhopper, Mexican bean beetle, nitidulid beetle, spider mites, pea leaf weevil - 6 lbs. per acre. Lygus bugs on dry beans in California - 4-6 lbs. per acre. Do not apply within one day of harvest (7 lbs.)

**BEETS, TABLE:** Aphids, beet armyworm, blister beetles - 10 lbs. per acre in sufficient water to cover. Do not apply within 7 days of harvest. (10 lbs.)

**CARROTS, PARSNIPS, RADISHES, SALSIFY, HORSE RADISH:** Aphids - 8 lbs. per acre. Do not apply within 7 days of harvest (8 lbs.)

**CELERY:** Aphids, leafhoppers, whitefly - 6 lbs. per acre in sufficient water to cover. Do not apply within 7 days of harvest. (6 lbs.)

**COLE CROPS** (Broccoli, Brussels sprouts, cabbage, kale, mustard, turnips): Aphids,

cabbage loopers, flea beetles, imported cabbage worm - 6-10 lbs. per acre. Use higher rate for loopers and worms. Do not apply within 7 days of harvest on Brussels sprouts, cabbage, kale and mustard. Do not apply within three days on Broccoli and turnips. (10 lbs.)

**CORN:** Aphids, corn rootworm adults, sap beetles, thrips, young grasshoppers - Apply 4 lbs. per acre. Do not apply within 5 days of harvest or forage use. (4 lbs.)

**COTTON:** Aphids, brown cotton leafworm, cotton leaf perforator, leafhoppers, spider mites, whitefly, 1 lb - 6 lbs. per acre. Cotton fleahoppers 3-4 lbs. per acre. Fall armyworms, boll weevil, grasshoppers, garden webworms and lygus 4-8 lbs. per acre. (16 lbs.)

**CUCUMBERS, PUMPKIN, SQUASH:** Aphids, cucumber beetles, cutworms, darning ground beetles, leafhoppers, pickleworms, spider mites, squash vine borer, thrips - Apply 7 lbs. per acre. Do not apply within 3 days of harvest on pumpkins. Do not apply on cucumbers or squash unless plants are dry or within one day of harvest. Pumpkin (8 lbs.) all others (7 lbs.)

**GRASS, GRASS HAY PASTURES and RANGE LAND** (barn grass, canary grass, lescue, orchard grass, red top, timothy and yellow foxtail): Aphids, leafhoppers - apply 4-5 lbs. per acre. Repeat as necessary. Apply up to and including one day of harvest on grasses. (5 lbs.)

**LETTUCE, ENDIVE:** Aphids, alfalfa looper, cabbage looper, leafhoppers, mites - apply 8 lbs. per acre. Do not apply within 14 days of harvest on leaf lettuce. Do not apply within 7 days on endive or head lettuce. (8 lbs.)

**MELONS:** Aphids, spider mites - Apply 4 lbs. per acre. Cucumber beetles on cantaloupes and watermelons apply 5 lbs. per acre. Do Not apply within one day of harvest. Do Not apply unless plants are dry. (7 lbs.)

**PEPPERS:** Aphids, pepper maggot - Apply 5 lbs. per acre. Cutworms: apply within three days of harvest. (8 lbs.)

**POTATOES:** Aphids, blister beetles, false chinch bugs, leafhoppers, mealybugs - apply 4 lbs. per acre for control of chinch bug leafhoppers and mealybugs. Apply 10 lbs. per acre for control of aphids and blister beetle. (12 lbs.)

**SMALL GRAINS** (Barley, oats, rye, wheat): Armyworms, English grain aphids, grasshoppers, greenbugs - Apply 4 lbs. - 5 lbs. per acre. Do Not apply within 7 days of harvest. (5 lbs.)

**SPINACH:** Aphids - Apply 6 lbs. per acre. Do not apply within 7 days of harvest. (8 lbs.)

**TOMATOES:** Aphids, spider mites - Apply 8 lbs. per acre. Drosophila flies - Apply 8 lbs. per acre in full coverage application to fruit and foliage. Do Not apply within one day of harvest. (8 lbs.)

**PASTURE AND RANGELAND:** Aphids, grasshoppers, leafhoppers - Apply 5 lbs. per acre in sufficient water for good coverage. Or use 5 lbs. in one gallon of diesel fuel oil per acre by means of an airplane or a turbine-blower type sprayer. May be applied on day of harvest or grazing. (5 lbs.)

**ORNAMENTALS:**

Dosages are given for use in 100 gallons of dilute spray. Aphids, European pine shoot moth, four-lined leaf bug, Japanese beetle adult, mealybugs, millipedes, potato leafhoppers, rose leafhopper, scurly scale, spider mites, springtails, sowbugs, tarnished plant bug, thrips, whitefly, euonymus scale, lace bug, oyst. shell scale - Apply 4 lbs. per acre. Azalea scale, bagworms, birch leaf-miner, boxwood leafminer, Fletcher scale, Florida-red scale, juniper scale, magnolia scale, oak kermes, pine leaf scale, tent caterpillar - Apply 5 lbs. per acre. Black scale crawlers, monterey pine scale - apply 5-10 lbs. per acre. Pine needle scale, wax scale - apply 10 lbs. per acre. For oyster shell, Fletcher, juniper, oak kermes, and pine needle scales - apply when scale crawlers have settled on foliage.

**CAUTION: AVOID USE** on certain forms including Boston, Maidenhair, and Pteris as well as some species of Crassula and Camellia Juniper.

**RECOMMENDATIONS**

Before using, read Directions For Use. Begin application at first sign of infestation and repeat as needed to maintain control but observe use limitations given for specific crops. For tree fruit crops, make thorough coverage application.

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**APPLE:** aphid, unspon, acre, spotted, San Jo, moth, bagworm, fall and, control, 3 days

**APRICO:** fruit, brown, partial, until, within

**CHERRY:** cherry, acre, weeks, vest, trunk, beginning, acre, vest, sweet

**CITRUS:** trol, soil, br, per, ac, (QUALY), Warden, are in, site act, absent, California, Not app

**GRAPE:** mites, within 3

**PEACH:** aphid, 2 lbs, spotted, rapia, per acre, actions, Oriental, per acre, to 14, ed, Do

**PEAR:** per acre, Codling, mite, re, apply a, herealt

apply within 1 day of harvest. Malathion may cause injury to Bosc pears in the Northeast

**PLUMS & PRUNES:** Mealy plum aphid — 1 lb. per acre, Bud moth—2 lbs. per acre. European red mite, two-spotted mite—2-3 lbs per acre. Lesser peach tree borer, (see directions under cherries)—4. lbs per acre. Do not apply within 3 days of harvest.

**STRAWBERRIES:** Aphids, spider mites — 2½ lbs per acre. Strawberry root weevils (make application to the soil, surface and work into the top 6 to 8 inches), potato leafhopper, strawberry leafroller, whitelly — 4-6 lbs per acre. Field crickets, lygus bugs, spittle bugs—4-8 lbs per acre.

#### 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 responsibilities, including injury or damage, resulting from its misuse as such, or in combination with other materials.

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