

Reg # 10163-61

PM - 14

198-1
7/8/94



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

APR 21 1994

BETHANY G. HULCY
GOWAN CO.
BOX 5569
YUMA, AZ 85366

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 08/13/93 In Response to PR Notice 93-7
EPA Reg. No. 10163-61
PROKIL MALATHION 25-WP

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.

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Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

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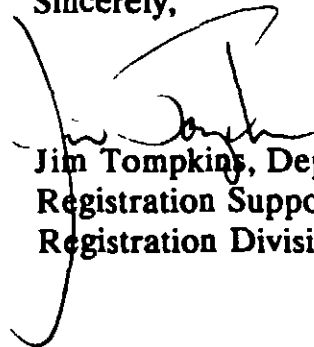
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

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ENVIRONMENTAL HAZARDS

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 apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI). Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

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STORAGE AND DISPOSAL

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

PESTICIDE DISPOSAL: Wastes resulting from 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.

Measure the specified amount of this product, then wash through filler 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 volume gear-type spray equipment. Observe use limitations given for specific crops.

CHEMIGATION STATEMENT

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

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

RECOMMENDATIONS

ALFALFA, CLOVER -- REI 12 hours -- Alfalfa weevil larvae, Aphids, Armyworms, Clover leaf weevil, Grasshoppers, Lygus bugs, Pea aphid, Potato leafhoppers, Spider mites, Spittlebugs, Vetch bruchid: 4 to 6 lbs. per acre. Use higher rate for armyworm control. May be applied on day of harvest. Do not apply within 7 days of harvest. (8 lbs.)

ASPARAGUS -- REI 12 hours -- Asparagus beetle, Thrips: 5 lbs. per acre in sufficient water to cover. Do not apply within one day of harvest. (5 lbs.)

BEANS -- REI 12 hours -- 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 to 6 lbs. per acre. Do not apply within one day of harvest. (7 lbs.)

BEETS, TABLE -- REI 12 hours -- Aphids, Beet armyworm, Blister beetles: 10 lbs. per acre in sufficient water to cover. Do not apply with 7 days of harvest. (10 lbs.)

CARROTS, PARSNIPS, RADISHES, SALSIFY, HORSERADISH -- REI 12 hours -- Aphids: 8 lbs. per acre. Do not apply within 7 days of harvest. (8 lbs.)

CELERY -- REI 12 hours -- 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) -- REI 12 hours -- 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 3 days on broccoli and turnips. (10 lbs.)

CORN -- REI 12 hours -- 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 -- REI 12 hours -- Aphids, Brown cotton leafworm, Cotton leaf perforator, Leafhopper, Spider mites, Whitefly: 1 1/3 - 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 -- REI 12 hours -- Aphids, Cucumber beetles, Cutworms, Darkling 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, fescue, orchard grass, red top, timothy and yellow tail) -- REI 12 hours -- Aphids, Leafhoppers: Apply 4 to 5 lbs. per acre. Repeat as necessary. Apply up to and including one day of harvest on grasses. (5 lbs.)

LETTUCE, ENDIVE -- REI 12 hours -- 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 -- REI 12 hours -- 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 -- REI 12 hours -- Aphids, Pepper maggot: Apply 8 lbs. per acre. Do not apply within three days of harvest. (8 lbs.)

POTATOES -- REI 12 hours -- False chinch bugs, Leafhoppers, Mealybugs: Apply 4 lbs. per acre. Aphids, Blister beetle: Apply 10 lbs. per acre.

SMALL GRAINS (Barley, Oats, Rye, Wheat) -- REI 12 hours -- Armyworms, English grain aphids, Grasshoppers, Greenbugs: Apply 4 to 5 lbs. per acre. Do not apply within 7 days of harvest. (5 lbs.)

SPINACH -- REI 12 hours -- Aphids: Apply 6 lbs. per acre. Do not apply within 7 days of harvest. (8 lbs.)

TOMATOES -- REI 12 hours -- 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 -- REI 12 hours -- 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.)

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ORNAMENTALS -- REI 12 hours -- Dosages are given for use in 100 gallons of dilute spray. Aphids, Euonymus scale, European pine shoot moth, Four-lined leaf bug, Japanese beetle adult, Lace bug, Mealybugs, Millipedes, Oyster shell scale, Potato leafhoppers, Rose leafhopper, Scurfy scale, Spider mites, Springtails, Sowbugs, Tarnished plant bug, Thrips, Whitefly: Apply 4 lbs. per acre. Azalea scale, Bagworms, Birch leafminer, 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 6 2/5 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 ferns including Boston, Maidenhair, and Pteris as well as some species of Crassula and Canaetri 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 through coverage applications.

APPLE -- REI 12 hours -- Bud moth, Green dried wooly apple aphid, Leafhopper, Yellow-necked caterpillar, Unspotted tentiform leafminer: 2 lbs. per acre. European red mite, Clover mite, Two-spotted mite, Willamette mite, Putnam: 2 to 2 1/2 lbs. per acre. Mealybug, Rosy apple aphid, San Jose scale: 2 1/2 lbs. per acre. Bagworm, Codling moth, Plum curculio, Red banded leafroller: 3 lbs. per acre. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. Do not apply within 3 days of harvest.

APRICOTS -- REI 12 hours -- Aphids, Codling moth, European fruit lecanium scale, Orange tortrix, Soft brown scale: 4 lbs. per acre. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. Do not apply within 7 days of harvest.

CHERRY -- REI 12 hours -- Black cherry aphid, Bud moth, Cherry fruit fly, Japanese beetle: 2 lbs. per acre. Forbes and San Jose scale (apply 3 weeks before and immediately after harvest), Lesser peach tree borer (apply to trunks and scaffold limbs at 21 day intervals beginning with emergence): 2 to 2 1/2 lbs. per acre. Do not apply within 3 days of harvest. Malathion may cause some injury to sweet cherries in the Northeast.

CITRUS -- REI 24 hours -- For use in California only, to control Aphids, Citricola scale, Orange worm, Soft brown scale and Thrips: 2 1/2 to 3 1/2 lbs. per acre.

CAUTION - Make no application when trees are in bloom. Do not apply unless parasite activity in the scale is at low level or absent.

APPLICATIONS - See University of California News Letters Nos. 62 and 64. Do not apply to citrus within 7 days of harvest.

GRAPES -- REI 24 hours -- Leafhopper, Mealybug, Spider mites: 1 to 1 1/2 lbs. per acre. Do not apply within 3 days of harvest.

PEACH -- REI 24 hours -- Black cherry aphid, Black peach aphid, Japanese beetle, Rusty plum aphid: 2 lbs. per acre. European red mite, Two-spotted mite, European fruit lecanium, Terrapin and Cottony peach scale: 2 to 2 1/2 lbs. per acre. Lesser peach tree borer (see directions under cherry): 4 lbs. per acre. Oriental fruit moth, Plum curculio: 3 lbs. per acre. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. Do not apply within 7 days of harvest.

PEAR -- REI 12 hours -- Mites and Pear psylla: 2 to 2 1/2 lbs. per acre. Mealybug: 2 1/2 lbs. per acre. Codling moth, Fruit tree leafroller, Plum curculio, Red-banded leafroller: 3 lbs. per acre. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. Do not apply within one day of harvest. Malathion may cause injury to Bosc pears in the Northeast.

PLUMS and PRUNES -- REI 12 hours -- Mealy plum aphid: 1 lb. per acre. Bud moth: 2 lbs. per acre. European red mite, Two-spotted mite: 2 to 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 -- REI 12 hours -- Aphids, spider mites: 2 1/2 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, Whitefly: 4 to 6 lbs. per acre. Field crickets, Lygus bugs, Spittle bugs: 4 to 8 lbs. per acre.

NOTICE ON CONDITIONS OF SALE

Our recommendation 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.

(Malathion 25-WP WPS label)

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