

PRO 19 = 10163-56

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JAN 10 1991

5389403

Rowan Company
P.O. Box 5569
Yuma, AZ 85366

Gentlemen:

Subject: Prokill Dimethoate E267
EPA Registration No. 10163-56
Your Labels Submitted November 19, 1990

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the revised labeling:

- Add the following to the directions for use on cherries.
Refer to items 3 and 5 of our August 14, 1990 letter.

Only a single application may be made.

Based on available residue data, use of this product on cherries is restricted to Oregon.

2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

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64946:I:Mautz:L16-8:KENCO:12/20/90:01/20/91:de:VO:EK:CL

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

M. A. Mautz

Marilyn A. Mautz
Acting Product Manager (16)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

BEST AVAILABLE COPY

ACCEPTED
WILLIAMSON
REGISTERED

USE ONLY AS DIRECTED
FUNGICIDE
REGISTERED

10163-56

PROKIL DIMETHOATE E267

Active Ingredient:

Dimethoate - (O,O-Dimethyl S-[N-(methylcarbamoyl)methyl] phosphorodithioate)* 30.5%

Inert Ingredients 69.5%

*Contains 2.67 lbs. Dimethoate per gallon

KEEP OUT OF REACH OF CHILDREN

WARNING-AVISO

PRECAUCION AL USARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado en su idioma.

**NOT FOR USE OR STORAGE IN OR AROUND HOME
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING**

May be fatal or harmful if swallowed. Vapor harmful. Avoid breathing vapor or spray mist. Use only with adequate ventilation. Wash thoroughly after handling. Do not contaminate food or feed products. Avoid contact with skin and eyes.

Concentrated material causes eye irritation. In case of contact with eyes, flush eyes with plenty of water for at least fifteen minutes.

NOTE TO PHYSICIAN: This product upon use may cause cholinesterase inhibition. Atropine is antidotal. Pralidoxime chloride (2-PAM; PROTOPAM chloride) may be effective as an adjunct to atropine. Use according to label directions.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to wildlife and aquatic invertebrates. Do not apply directly to water or wetlands. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning equipment or disposal of wastes.

This pesticide is highly toxic to bees exposed to direct treatment or residues 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 OR CHEMICAL HAZARDS

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

NET CONTENTS GALLONS

Gowan Company

EPA Reg. No. 10163-56
EPA Est. No. 10163-AZ-1

P.O. Box 5569
Yuma, AZ 85366

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PROKIL DIMETHOATE E267

EPA Reg. No. 10163-56
EPA Est. No. 10163-AZ-1

Directions For Use

Gowan Company
P.O. Box 5569
Yuma, AZ 85366-5569

DIRECTIONS FOR USE

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

RE-ENTRY STATEMENTS

Do not enter treated areas without protective clothing until sprays have dried. 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.

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.

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: **WARNING - Area treated with DIMETHOATE** (date of application) Do not enter without appropriate protective clothing until sprays have dried. For citrus, do not enter without appropriate protective clothing for four days. In case of accidental exposure, see precautionary statements on front panel.

REQUIRED CLOTHING AND EQUIPMENT FOR APPLICATION

Applications, including homeowners, flaggers and persons involved with the mixing, loading and transferring operations must wear the protective clothing and equipment

enumerated below. Pilots are exempt from this requirement. The protective clothing and equipment to be worn is as follows:

- impermeable gloves (rubber or plastic covered reinforced)
- boots or boot covers
- long sleeve shirt and pants
- wide brimmed hat
- respirators must be worn by flaggers and mixer loaders.

Aerial Application: Automatic flagging devices should be used whenever feasible. If human flaggers are employed, they must wear the protective clothing and respirator specified on this label.

DILUTION DIRECTIONS

The rate required for thorough, uniform coverage varies with plant growth at time of application. The following rates are therefore intended to cover a broad range of conditions.

Dilute Application

Field and Vegetable Crops: Apply specified rate in 20 to 75 gallons of water per acre.

Fruits and Nuts: Apply specified rate in 100 to 800 gallons of water per acre.

For citrus, use up to 2,000 gallons of water per acre

Concentrate Application

Field and Vegetable Crops: Apply specified rate in not less than 5 gallons of water per acre.

Fruits and Nuts: Apply specified rate in 20 to 100 gallons of water per acre. These applications require special concentrate equipment.

Air Application

Field and Vegetable Crops: Apply specified rate in a minimum of 1 gallon of water per acre

Fruits and Nuts: Apply specified rate in a minimum of 5 gallons of water per acre.

Do not apply when weather conditions favor drift of spray from areas treated. Repeat applications as necessary unless otherwise specified. Consult your state experiment station or extension service for proper timing of applications

CHEMIGATION STATEMENT

Do not apply this product through any type of irrigation system

STORAGE AND DISPOSAL

DO NOT use, pour, spill or store near heat or open flame. 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.

DIRECTIONS FOR USE

This product may be applied by ground concentrate or dilute equipment or by air. See Dilution Directions for water rates. Times required days between the last application and harvest are given in parenthesis after each crop name.

FRUIT

APPLES: (28 days) Apple maggot: 1 pint per 100 gallons of water in concentrate or aerial application when trees or substantial number (grove) are in bloom. Apply at 7 days thereafter until control is achieved. some sting injury may occur in treated orchards. (** Codling moth states only)

APPLES, PEARS (28 days) Apple Maggot: 1 pint per 100 gallons of water in concentrate or aerial application when trees or substantial numbers are in bloom. Do not graze livestock.

CHERRIES (SWEET AND TART)

see at

CITRUS (GRAPEFRUIT, TANGERINES): (15 DAYS) DILUTE

Aphids: Use ¼ to 1½ pints per acre outside coverage spray. **Mites:** Use 1½ pints per 100 gallons water coverage spray. **Scales (except Rust mites):** 2½ pints per 100 gallons water coverage spray. **Thrips:** Use ¼ to 1½ pints per acre spray. **Whiteflies:** Use 1½ pints per acre thorough distribution coverage spray.

CONCENTRATE GROUND AND AERIAL

Aphids, Mites (except Rust mites or Snow), Thrips, Whiteflies:

NONBEARING CITRUS AND NECTARING CITRUS (FLORIDA, CALIFORNIA AND ARIZONA): Thrips, Aphids: 1½ pints per 100 gallons of water necessary. **SOIL DRENCH—(trunk injection)** Apply when insect infestation is present. Do not apply soil drench to trees less than one year old.

OBSERVE THE FOLLOWING PRECAUTIONS: Consult your State Agricultural Extension Service for application instructions. Do not apply when trees or substantial numbers of weeds in the orchard (grove) are in bloom. Do not enter treated groves with livestock. Do not graze livestock in treated areas.

PECANS: (21 days) Aphids, Mites: 1 pint per acre. Do not graze livestock in treated areas.

VEGETABLES

BEANS (GREEN, LIMA, SNOW): Leafhoppers, Leaf miners, Mites: 1½ pints per acre. Do not feed livestock if the crop or weeds in the treated area are grazed.

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BROCCOLI, CAULIFLOWER: (7 days) Aphids: Use $\frac{3}{4}$ to 1½ pints per acre.

CABBAGE: (7 Days) Aphids: Use $\frac{3}{4}$ to 1½ pints per acre.

CELERY (FLORIDA): (7 Days) Leaf Miners: Use 1 pint per acre.

HEAD LETTUCE: (7 days) Aphids, Leafhoppers, Leaf miners: Use $\frac{3}{4}$ pints per acre.

LEAF LETTUCE, SPINACH, COLLARDS, KALE, TURNIP (GREENS AND ROOTS), MUSTARD GREENS, SWISS CHARD, ENDIVE (ESCAROLE): (14 DAYS) Aphids, Leafhoppers, Leaf miners: Apply $\frac{3}{4}$ pint per acre

LENTILS: (7 Days) Aphids: Use $\frac{3}{4}$ pint per acre. Lygus bugs: Use 1½ pints per acre. Do not feed or graze hay or treated vines. Do not apply if the crop or weeds in the treatment area are in bloom. Do not make more than one application per season

MELONS: (3 days) Aphids, Leafhoppers, Leaf miners: Use 1½ pints per acre. Also see watermelons.

PEAS: (0 Days) Aphids: Use ½ pint per acre. Do not feed or graze hay within 21 days after last application when a stationary viner is used. Do not feed or graze when a mobile viner is used. Do not apply more than once per season. Do not apply if the crop or weeds in the treatment area are in bloom.

PEPPERS: (0 Days) Aphids, Leaf miners, Maggots: Use $\frac{3}{4}$ to 1 pint per acre.

POTATOES: (0 Days) Aphids, Leaf miners, Leafhoppers: Use $\frac{3}{4}$ to 1½ pint per acre.

TOMATOES: (7 Days) Aphids, Leaf miners, Leafhoppers: Use $\frac{3}{4}$ to 1½ pints per acre.

WATERMELONS: (3 Days) Aphids, Leafhoppers, Leaf miners: Use $\frac{3}{4}$ to 1½ pints per acre.

Where cabbage worms and cabbage loopers are a problem, the above rates of PROKIL DIMETHOATE E267 are compatible with endosulfan, malathion or parathion. Use in accordance with the manufacturer's directions for control of these insects

FIELD CROPS

ALFALFA: (10 Days) Aphids, Leafhoppers, Lygus bugs, Grasshoppers, reduction of Alfalfa weevil larvae: Apply $\frac{3}{4}$ to 1½ pints per acre. Do not apply during bloom period. Make only one application per cutting. Effective only on cutting to which applied. Do not apply within 10 days of pasturing. Do not apply if the crop or weeds in the treatment area are in bloom

FIELD CORN: (14 Days) Banks grass mites (excluding Trans-Pecos area of Texas), Aphids, Bean beetle, Corn rootworm adult: Use 1 to 1½ pints per acre. Apply as necessary. Make no more than three applications per year. Do not feed or graze within 14 days of last application. Do not apply to corn during the pollen-shed period if bees are actively foraging in the treated area.

COTTON (ARIZONA AND CALIFORNIA): (14 Days) Lygus bugs, Fleahoppers, Black Fleahoppers: Use $\frac{3}{4}$ to 1½ pints per acre. Repeat applications should not be made at intervals closer than 14 days. Make only 2 applications per season at higher rate. Do not feed treated forage or graze livestock on treated fields.

COTTON (EXCEPT ARIZONA AND CALIFORNIA): (14 days when water is used for dilution; 40 days when once refined vegetable oil is used for dilution) Aphids, Mites, Thrips, Fleahoppers: Use $\frac{1}{2}$ to $\frac{3}{4}$ pint per acre. Plant bugs: Use $\frac{3}{4}$ pints per acre. Do not feed treated forage or graze livestock in treated fields.

FOR WATER DILUTION: Repeat applications should not be made at intervals closer than 14 days.

FOR ONCE REFINED VEGETABLE OIL DILUTION: Repeat applications should not be made at intervals closer than 40 days. Make only one application per season at higher rate. Apply at least one quart of finished spray per acre

SAFFLOWER (ARIZONA AND CALIFORNIA): (14 Days) Aphids, Leafhoppers, Lygus Bugs, Thrips: Use 2 pints per acre. Repeat applications should not be made at intervals closer than 14 days. Do not feed treated forage or graze livestock on treated fields. Make no more than 2 applications per season.

SORGHUM (MILO): (28 Days) Aphids: Use $\frac{1}{2}$ to 1½ pints per acre. Banks grass mite (excluding Trans-Pecos area of Texas) Spider mites, Grasshoppers: Use 1½ pints per acre. Sorghum midge: Use $\frac{1}{2}$ to $\frac{3}{4}$ pints per acre. Do not feed or graze within 28 days of last application. Make no more than three applications as needed per season. Do not apply after heading

SOYBEANS: (21 Days) Mexican bean beetle, Spider mites, Bean leaf beetle, Leafhoppers, Three cornered alfalfa hopper, Grasshoppers: Use 1½ pints per acre. Do not feed or graze within 5 days of last application.

WHEAT: (60 Days) Aphids: Use $\frac{3}{4}$ to 1 pint per acre. Brown wheat mite: Use $\frac{1}{2}$ to $\frac{3}{4}$ pints per acre. Grasshoppers: Use 1 pint per acre. Do not apply within 14 days of grazing immature plant. Do not apply more than twice per season

SEED CROPS

ALFALFA: Aphids, Leafhoppers, Lygus bugs, Grasshoppers, reduction of Alfalfa weevil larvae: Apply $\frac{3}{4}$ to 1 pint per acre. Do not feed or graze livestock on treated crop, hay threshings or stubble within 10 days of application. Do not apply if the crop or weeds in the treatment area are in bloom.

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.

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Cherries (sour and tart) (28 days) (Oregon only) Aphids, cherry fruit flies,
mites: DILUTE APPLICATION: Use 1 1/2 pints per 100 gallons.
CONCENTRATE APPLICATION: Use 3 to 6 pints per acre. (On mature tart cherries,
use 4 1/2 pints per acre. On mature sweet cherries, use 6 pints per acre.)
Apply a minimum spray volume of 50 gallons/acre.
Do not apply when trees or substantial numbers of weeds in the treatment area
are in bloom. Do not graze livestock in treated orchards.

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~~Private Information~~

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PM 14 10163-56

APR 24 1991

MS 134

Ms. Stout
Gowan Company
P.O. Box 5569
Yuma, AZ 85366-5569

Dear Ms. Stout:

Subject: Prokil Dimethoate E267
EPA Registration No. 10163-56
Your Application for Pesticide Amendment Dated
October 17, 1990

The Confidential Statement of Formula (CSF) referred to above is acceptable provided that you submit the following information with regard to the second inert ingredient listed on the CSF.

1. The chemical identity of all components,
2. The percentage of composition, and
3. Two (2) copies of Material Safety Data Sheet.

Please note - on the next printing of the label for the subject product a footnote to the inert ingredients must be added indicating "Contains xylene-range aromatic solvent" when using formulations with this ingredient. Submit a copy of your final printed label showing this addition for filing.

Sincerely yours,

Robert A. Forrest
Product Manager (14)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

64978;I:MaütZiL14-4;KEVRIC:04/15/91;05/12/91;CL:MO:EK:CL

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

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JAN 16 1991

5389403

Cowan Company
P.O. Box 5569
Yuma, AZ 85366

Gentlemen:

Subject: Prokill Dimethoate E267
EPA Registration No. 10163-56
Your Labels Submitted November 19, 1990

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the revised labeling:

- Add the following to the directions for use on cherries.
Refer to items 3 and 5 of our August 14, 1990 letter.

Only a single application may be made.

Based on available residue data, use of this product on cherries is restricted to Oregon.

2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

BEST AVAILABLE COPY

64945:I:Mautz:L16-8:KENCO:12/20/90:01/20/91:de:VO:EK:CL

CONCURRENCES

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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

M. Mautz

Marilyn A. Mautz
Acting Product Manager (16)
Insecticide-Rodenticide Branch
Registration Division (E7505C)

Enclosure

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ACCEPTED
with COMMENTS
in EPA Letter Dated:

JAN 16 1991

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

10163-56

PROKIL DIMETHOATE E267

Active Ingredient:

Dimethoate - (O,O-Dimethyl S-[N-(methylcarbamoyl)methyl] phosphorodithioate)*	30.5%
Inert Ingredients	69.5%

*Contains 2.67 lbs. Dimethoate per gallon

KEEP OUT OF REACH OF CHILDREN

WARNING-AVISO

PRECAUCION AL USARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado completamente.

**NOT FOR USE OR STORAGE IN OR AROUND HOME
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING**

May be fatal or harmful if swallowed. Vapor harmful. Avoid breathing vapor or spray mist. Use only with adequate ventilation. Wash thoroughly after handling. Do not contaminate food or feed products. Avoid contact with skin and eyes.

Concentrated material causes eye irritation. In case of contact with eyes, flush eyes with plenty of water for at least fifteen minutes.

NOTE TO PHYSICIAN: This product upon use may cause cholinesterase inhibition. Atropine is antidotal. Pralidoxime chloride (2-PAM; PROTOPAM chloride) may be effective as an adjunct to atropine. Use according to label directions.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to wildlife and aquatic invertebrates. Do not apply directly to water or wetlands. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning equipment or disposal of wastes.

This pesticide is highly toxic to bees exposed to direct treatment or residues 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 OR CHEMICAL HAZARDS

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

NET CONTENTS GALLONS

Gowan Company

EPA Reg. No. 10163-56
EPA Est. No. 10163-AZ-1

P.O. Box 5569
Yuma, AZ 85366

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