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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Julie M. Butcher
Product Registration
Gowan Company
P.O. Box 5569
Yuma, AZ 85365

MAR 13 2008

SUBJECT: Application for Pesticide Notification (PRN 98-10)
Request Alternate Brand Name "Gowan Malathion 8"
EPA Reg. No. 10163-21
Application Dated February 19, 2008

Dear: Registrant:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 02/19/08 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Owen F. Beeder of my staff at 703-308-8899.

Sincerely,

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

SIG



Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060

20/12

	United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
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Application for Pesticide - Section I

1. Company/Product Number 10163-21	2. EPA Product Manager Kable Bo Davis	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Prokil Malathion 8	PM# _____	
5. Name and Address of Applicant (Include ZIP Code) Gowan Company PO Box 5569 Yuma, AZ 85366-5569 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of alternate brand name per PR Notice 98-10 - Filing ABN of Gowan Malathion 8 for Prokil Malathion 8.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No * Certification must be submitted	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Package wgt. _____ No. per container _____	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container _____	
5. Location of Label Directions <input type="checkbox"/> _____		6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph Paper glued Stenciled <input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Julie M. Butcher	Title Senior Registration Specialist	Telephone No. (Include Area Code) 925-819-1578
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped) <div style="border: 1px solid black; padding: 5px; text-align: center;"> JUL 19 2008 </div>
2. Signature 	3. Title Senior Registration Specialist	5. Date 2-19-08
4. Typed Name Julie M. Butcher	5. Date 2-19-08	



The Go To Company

P.O. Box 5569 ▲ Yuma, AZ 85366-5569 ▲ Phone (928) 783-8844 ▲ FAX (928) 343-9255

30912

February 19, 2008

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
One Potomac Yard (South Bldg)
2777 S. Crystal Drive
Arlington, VA 22202

**ATTN: Kable Bo Davis, PH: 703-306-0415
Insecticide-Rodenticide Branch**

**RE: Notification of Alternate Brand Name per PR Notice 98-10
EPA Reg. No. 10163-21, Prokil Malathion 8**

Dear Mr. Davis:

We are submitting notification to file Gowan Malathion 8 as an Alternate Brand Name for Prokil Malathion 8, EPA Reg. No. 10106-21. In accordance with PR Notice 98-10, we are submitting the following to support this notification:

- EPA Form 8570-1 Application for Pesticide
- One (1) copy of the proposed label

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Thank you very much for your help. If you have any questions or comments, please do not hesitate to contact me at (928) 819-1578.

Regards,

Julie M. Butcher,
Senior Registration Specialist

Enclosures

Handwritten notations consisting of small circles and lines, possibly representing a signature or initials.

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GOWAN MALATHION 8

AGRICULTURAL INSECTICIDE

ACTIVE INGREDIENT:

Malathion; (O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate) 79.5%

INERT INGREDIENTS 20.5%

TOTAL 100.0%

Contains 8 lbs. Malathion per gallon

KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID Organophosphate Insecticide	
If swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-888-478-0798 for emergency medical treatment information.	

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Avoid breathing of spray mist. Avoid contact with skin. Avoid contamination of feed and food.

NOTE TO PHYSICIAN: Malathion upon use may cause cholinesterase inhibition. Atropine is antidotal.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category *F* on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as Barrier Laminate, Butyl Rubber ≥14mils, Nitrile ≥14mils, or Viton ≥14mils
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

NET CONTENTS _____ GALLONS



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

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates and aquatic life stages of amphibians. For terrestrial uses, do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. For aquatic use, do not apply to water except as specified on this label. 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 actively visiting the treatment area.

DIRECTIONS FOR USE

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

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
- Chemical-resistant gloves, such as Barrier Laminate, Butyl Rubber ≥14mils, Nitrile ≥14mils, or Viton ≥14mils
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

When using Gowan Malathion 8 in the greenhouse or stored grain facilities (as recommended on the label), use only with adequate ventilation. After application, ventilate thoroughly before occupying enclosed spaces.

GENERAL USE INFORMATION

In order that pesticide residues on food and forage crops will not exceed tolerances established by the Federal Food and Drug Administration, use only the recommended rates and intervals, and do not apply closer to harvest than specified.

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 for specific crop. Consult your State Agriculture Experiment Station or the State Agricultural Extension Service for additional information as the timing of applications needed will vary with local conditions.

Applications may be made by aircraft or by ground equipment according to the DIRECTIONS FOR DILUTION below. The amount of water needed to treat an acre varies, therefore the following directions are given to cover a broad range of applications.

When using Gowan Malathion 8 in the greenhouse or stored grain facilities (as recommended on the label), use only with adequate ventilation. After application, ventilate thoroughly before occupying enclosed spaces.

DIRECTIONS FOR DILUTION

Dilute Application

Field and Row Crops: Use specified rate in 20 to 60 gallons of water per acre.

Trees and Vines: Use specified rate in 100 to 800 gallons of water per acre.

Concentrate Application

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

Trees and Vines: Use specified rate in 20 to 100 gallons of water per acre.

Air Application

Field and Row Crops: Use specified rate in 5 to 20 gallons of water per acre.

Trees and Vines: Use specified rate in at least 10 gallons of water per acre.

MIXING DIRECTIONS

Pour specified amount of product into nearly filled spray tank. Add balance of water to fill tank. Keep agitator running during filling and spraying operations. 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 powders.

PHYTOTOXICITY ADVISORY STATEMENT

As is common with most emulsifiable concentrate formulations adverse effects, such as spotting or discoloration of the fruit or foliage can occur. Some conditions known to contribute to phytotoxicity include, but are not limited to : high temperatures, poor spray drying conditions, excessive spray runoff, certain spray mixtures, stage of crop development or tank mixes with other pesticides.

RECOMMENDATIONS

Rates are given in terms of pints of MALATHION 8 per acre.

PREHARVEST INTERVAL

Minimum days between last application and harvest are given in () after each crop name.

TREES AND VINES

CROP	REI (HRS)	RATE (PTS/ACRE)	PESTS	COMMENTS
APRICOTS (7)	12	4 - 10	Aphid, Codling moth, European Lecanium scale, Orange tortrix, Soft brown scale, Terrapin scale	
AVOCADOS (7)	12	4 - 9	Green house thrips, Latania scale, Omnivorous looper, Soft brown scale, Orange tortrix	
BLACKBERRIES (1), BOYSENBERRIES (1), DEWBERRIES (1), LOGANBERRIES (1), RASPBERRIES (1)	12	1 - 4	Japanese beetle, Leafhoppers, Mites, Thrips	
		2 - 4	Aphid, Rose scale	
BLUEBERRIES (1)	12	1 ½ - 2 ½	Aphids, Blueberry maggot, Blueberry tip borer, Cherry fruitworm, Cranberry fruitworm, Japanese beetle, Plum curculio, Leafrollers, Sharp-nosed leafhopper, White Tussock moth	
CHERRIES (3)	12	2 ½ - 8	Black cherry aphid, Bud moth, Cherry fruit fly, Fruittree leafroller, Lesser peach twig borer, Forbes and San Jose scale	For Lesser peach twig borer, apply to trunk and scaffold limbs at 21 day intervals beginning with emergence. May cause injury on certain varieties of sweet cherries in the Northeast.
CITRUS [GRAPEFRUIT, KUMQUATS, LEMONS, LIMES, ORANGES, TANGELOS, TANGERINES- Mandarin or Mandarin Oranges, Tangors, and other hybrids of tangerines with other citrus] (7)	24	7 - 25	Aphids, Black scale (single and off-brooded), California red scale, Citricola scale, Orange worm, Purple scale, Soft scale, Thrips, Yellow scale	
		1 - 8	Mediterranean fruit fly	
▪ Do not apply when trees are in bloom.				
CURRENTS (1), GOOSEBERRIES (3)	12	1 - 2	Japanese beetle, Mites	
		2	Currant aphid, Imported currantworm	
FIGS (3)	12	2 ½	Dried fruit beetles, Vinegar flies	Apply with 1 - 2 gallons sulfured molasses per acre.
GRAPES (3)	24	2 - 2 ½	Drosophila, European fruit lecanium, Grape leafhopper, Japanese beetle, Leafhopper, Mealybug, Spider mites, Terrapin scale	Injury may occur to grape berries when applications are made after bloom.
GUAVA (2), MANGO (2), PASSION FRUIT (2)	12	¾	Fruit flies	Apply with 1 pound partially hydrolyzed yeast protein or enzymatic yeast hydrolyzate.
MACADAMIA NUTS (0)	12	3 - 15	Green Stink bug	
NECTARINES (7)	12	2 ½ - 9	Black cherry aphid, Black peach aphid, Green peach aphid, Japanese beetle, Rusty plum aphid	May be mixed with spray oil for dormant and delayed dormant applications. Follow spray oil manufacturer's directions.
PEACHES (7)	24	5 - 9	Cottony peach scale, Lesser peach tree borer, Plum curculio, Oriental fruit moth, San Jose scale, Terrapin scale	
PECANS (0)	12	2 ½ - 12 ½	Aphid, Mites, Pecan bud moth, Pecan leaf casebearer, Pecan nut casebearer, Pecan phylloxera	
WALNUTS (0)	12	4 - 12 ½	Aphid, Mites, Walnut husk fly	

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FIELD AND ROW CROPS

CROP	REI (HRS)	RATE (PTS/ACRE)	PESTS	COMMENTS
ALFALFA, BIRDSFOOT TREFOIL, CLOVER, LESPEDEZA, LUPINE, VETCH ((0) if 1 1/2 pints and less; (7) 2 pint rate	12	1 - 2	Alfalfa weevil larvae, Aphids, Armyworms, Clover leaf weevil, Grasshoppers, Lygus bugs, Pea aphid, Potato leafhoppers, Spider mites, Spittlebug, Vetch bruchid	Use higher rate for Armyworm control. For hard to control insects, use up to 2 pints per acre. Apply to alfalfa in bloom only in the evening or early morning when bees are not working in the fields or are not hanging on the outside of hives.
SEED CROPS - ALFALFA, BIRDSFOOT TREFOIL, CLOVER, LESPEDEZA, LUPINE, VETCH (0)	12	1 - 1 1/4	Aphids, Leafhoppers, Lygus bugs	Apply to plants in bloom only in the evening or early morning when bees are not working in the fields or are not hanging outside the hives.
LEAFY VEGETABLES (EXCEPT BRASSICA VEGETABLES) CROP GROUPING: AMARANTH (LEAFY AMARANTH, CHINESE SPINACH, TAMPALA) (7), ARRUGULA (ROQUETTE) (7), CELTUCE (7), CHERVIL (7), CHRYSANTHEMUM-Edible-leafed, Garland (7), CORN SALAD (7), DANDELIONS (7), DOCK (SORREL) (7), FLORENCE FENNEL (7), ORACH (7), PARSLEY (21), PURSLANE-Garden and Winter (7), SWISS CHARD (7), CELERY (7)	12	1 - 2	Aphids	
		1 - 1 1/2	Aphids, spider mite	
LETTUCE (Field or Greenhouse) (7 days for head lettuce; 14 days for leaf lettuce), ENDIVE (Field or Greenhouse) (7)		2	Aphids, Alfalfa loopers, Leafhoppers, Mites	
SPINACH (7)		1 1/2	Aphids	
BEANS-Dry and Succulent (Field and Greenhouse) (1)	12	1 1/2	Aphids, Cucumber beetles, Japanese beetles, Potato leafhoppers, Mexican bean beetles, Nitidulid beetles, Spider mites, Pea leaf weevils	
▪ Do not graze or feed forage to livestock.				
BEANS-Dry (West of the Rocky Mountains Only) (1)	12	1 - 1 1/2	Lygus bugs	
▪ Do not graze or feed forage to livestock.				
BEETS, Garden (Seed Crop) (7)	12	1 1/4	Lygus bugs	Apply in 5 to 10 gallons of water per acre at seedball stage to hard seed stage. Repeat as needed to maintain control.
BEETS, Table (7)	12	2 1/2	Aphids, Beet armyworm, Blister beetles, Flea beetles	

CROP	REI (HRS)	RATE (PTS/ACRE)	PESTS	COMMENTS
COLE CROPS (Brassica (cole) Leafy Vegetable crop group: BROCCOLI (3), BROCCOLI RAAB (RAPINI) (7), BRUSSELS SPROUTS (7), CABBAGE (7), CAULIFLOWER (7), CAVALO BROCCOLO (7), CHINESE BROCCOLI (7), CHINESE CABBAGE (BOK CHOY, NAPA) (7), CHINESE MUSTARD CABBAGE (7), COLLARDS (7), KALE (7), KOHLRABI (7), MIZUNA (7), MUSTARD GREENS (7), MUSTARD SPINACH (7), RAPE GREENS (7)	12	1 ½ - 2 ½	Aphids, Cabbage loopers, Flea beetles, Imported cabbage worms	
CORN-Grain or Forage (5)	12	1	Aphids, Corn rootworm adults, Sap beetles, Thrips, Young grasshoppers	CAUTION: Injury may occur in whorl and silk stages.
COTTON (0)	12	1 - 4	Aphids, Brown cotton leafworm, Cotton leaf perforator, Leafhoppers, Spider mites, Whitefly	
		1 ¼ - 4	Boll weevils, Cotton fleahoppers, Fall armyworms, Grasshoppers, Garden webworms and Lygus	
▪ Do not graze or feed forage to livestock.				
CUCUMBERS (field and greenhouse) (1), SQUASH (1)	12	1 ¾	Aphids, Cucumber beetles, Cutworms, Darkling ground beetles, Leafhoppers, Pickleworm, Spider mites, Squash vine borer, Thrips	For vine borer, apply weekly to stems and vines at base of plant.
▪ Do not apply unless plants are dry.				
EGGPLANT (Field and Greenhouse) (3)	12	¾ - 3 ½	Aphids, Spider mites	
		2 - 3 ½	Lace bugs	
FLAX (45)	12	½	Grasshoppers	
GARLIC (3), LEEKS (3), SHALLOTS (7)	12	1 - 2	Aphids, Thrips	
GRASSES and RANGELAND (such as BARN GRASS, BERMUDA, CANARY GRASS, FESCUE, ORCHARD GRASS, RED TOP, TIMOTHY and YELLOW FOXTAIL) (1)	12	1 - 1 ¼	Aphids, Grasshoppers, Leafhoppers	Apply in sufficient water for good coverage or use 1 1/4 pints plus 1 gallon of diesel fuel oil per acre by means of an airplane or turbine-blower type sprayer.
HOPS (7)	12	½ - 1 ¼	Aphids	
HORSERADISH (7), PARSNIPS (7), RADISHES (7), SALSIFY (7)	12	2	Aphids, Diamondback moths, Flea beetles, Leafhoppers	
LENTILS (3)	12	1	Aphids	
		▪ Do not graze or feed forage to livestock.		
MUSHROOMS (Greenhouse) (1)	12	1 ½	Phorid flies, Sciarid flies	Apply in 130 gallons of water per acre, or 1 tablespoon per 3 gallons of water per 1000 square foot bed. Make thorough application as soon as possible after picking. Repeat application as necessary, usually twice per week.
OKRA (1)	12	1 ½	Aphids, Japanese beetles	
ONIONS- Bulb and Green (Field or Greenhouse) (3)	12	1 - 2	Thrips	
		2	Onion maggots	
PEAS (3)	12	1 - 2 ½	Aphids, Pea weevils	
		▪ Do not graze or feed forage to livestock.		
PEPPERMINT (7), SPEARMINT (7)	12	1	Adult flea beetles, Leafhoppers	

CROP	REI (HRS)	RATE (PTS/ACRE)	PESTS	COMMENTS
PEPPERS (Field or Greenhouse) (3)	12	1 ½	Aphids, Pepper maggots	
POTATOES (None)	12	1	False chinch bugs, Leafhoppers, Mealybugs	
		3	Aphids, Blister beetles	
RICE-Domestic, Grain or Wild (7)	12	1 ½	Rice leaf miners, Rice stink bugs	Broadcast use only over intermittently flooded areas. Application may not be made around bodies of water where fish or shellfish are grown and/or harvested commercially.
▪ Do not apply Propanil within 15 days of Malathion treatment.				
RUTABAGAS (3)	12	1 - 2	Aphids	
SMALL GRAINS (BARLEY, OATS, RYE, WHEAT) (7)	12	1 - 1 ¼	Armyworms, English grain aphids, Grasshoppers, Greenbugs	
SORGHUM-Grain or Forage (7)	12	1 ½	Greenbugs	
		▪ Do not graze or feed forage to livestock.		
STRAWBERRIES (3)	12	1 ½ - 2	Aphids, Field crickets, Lygus bugs, Potato leafhoppers, Spider mites, Spittlebugs, Strawberry leafrollers, Strawberry root weevils, Thrips, Whiteflies	
SWEET CORN (Field or Greenhouse) (5)	12	1	Japanese beetles	CAUTION: Injury may occur in whorl and silk stages.
SWEET POTATOES (3)	12	1 - 1 ¼	Leafhoppers	
		1 ¾	Morning Glory leafminers	
TOMATOES (Field and Greenhouse) (1)	12	1 ½	Aphids, Spider mites	
		2	Drosophila flies	Apply a full coverage application to fruit and foliage.
WATERCRESS (7)	12	1-2	Aphids	

ORNAMENTALS

Note: Before treating a large number of ornamental plants with Gowan Malathion 8 alone or as a tank mixture with any other material, make a test application on a few plants and observe for 7-10 days prior to treating large areas to reduce the possibility of plant injury.

CROP	REI (HRS)	RATE	PESTS	COMMENTS
FLOWERS, SHADE TREES and SHRUBS	12	1 pint in 100 gals of water as a dilute spray	Aphids, Euonymus scales, European pine shoot moths, Four-lined leaf bugs, Japanese beetle adults, Lace scales, Mealybugs, Millipedes, Oyster shell scales, Potato leafhoppers, Rose leafhoppers, Scurfy scales, Spider mites, Springtails, Sowbugs, Tarnished plant bugs, Thrips, Whiteflies	CAUTION: Avoid use on certain ferns including Boston, Maidenhair and Pteris, as well as some species of Crassula and Canaetri Juniper. For Oyster shell, Fletch, Juniper, Oak kermes and Pine needle scales apply when scale crawlers have settled on foliage.
		1 ¼ pints in 100 gals of water as a dilute spray	Azalea scales, Bagworms, Birch leafminers, Boxwood leafminers, Fletch scales, Florida-red scales, Juniper scales, Magnolia scales, Oak kermes, Pine leaf scales, Tent caterpillars	
		1 3/5 pints in 100 gals of water	Black scale crawlers, Monterey pine scales	
		2 ½ pints in 100 gals of water	Pine needle scales, Wax scales	

SLASH PINE, PINE SEED ORCHARDS, AND CHRISTMAS TREE PLANTATIONS

CROP	REI (HRS)	RATE	PESTS	COMMENTS
SLASH PINE, PINE SEED ORCHARDS, and CHRISTMAS TREE PLANTATIONS	12	For ground application, mix 3/4 to 4/5 gallons of MALATHION 8 in 100 gallons of water.	Slash pine flower thrips, European pine sawfly	Apply 3/4 gallon of the mixture per tree on the smallest flowering trees. Mist blowers or airblast sprays may be used.
		For air application, mix 2/5 gallons of MALATHION 8 in a least 5 gallons of water.		Apply a minimum of 5 gallons of mixture per acre. Make two applications, the first when female flowers are in twig bud stage, the second one week prior to maximum flower receptivity to pollen.

MOSQUITO CONTROL

MOSQUITOES, FLIES, AND SMALL FLYING INSECTS: For use by trained personnel as a 2% to 5% Malathion fog, aerosol or space spray. To make a 2% solution dilute 1 part MALATHION 8 in 45 parts water, fuel oil or diesel oil. When using a kerosene-type solvent as a carrier, dilute 1 part Malathion 8 in 45 parts solvent consisting of 4 parts kerosene-type solvent and 1 part aromatic hydrocarbon-type solvent. Apply 0.58 - 2.86 gallons finished spray per acre. For a 5% solution, dilute 1 part MALATHION 8 in 18 parts solvent. Apply 0.24 - 1.18 gallons finished spray per acre.

MOSQUITO LARVAE IN STANDING WATER (Only for use in intermittently flooded areas, stagnant water, temporary rail ponds, and log ponds- KEEP OUT OF ANY FISH BEARING WATERS): Apply MALATHION 8 at the rate of 8 fluid ounces per acre. Mix in sufficient water or oil to obtain even coverage when applied by air or ground equipment. Repeat applications as necessary. Avoid applying oil-based formulations to valuable ornamental plants as injury may occur. Broadcast use only over intermittently flooded areas. Application may not be made around bodies of water where fish or shell fish are grown and/or harvested commercially.

AROUND THE OUTSIDE OF BUILDINGS (Around buildings which house domestic animals, around homes, yards, commercial and industrial buildings, agricultural buildings, out-door garbage cans, compost/compost piles, garbage dumps, and cull fruit and vegetable dumps): Apply 1 gallon of MALATHION 8 undiluted per 1000 sq. ft. on painted surfaces. Apply 2 gallons of MALATHION 8 undiluted per 1000 sq. ft. on unpainted surfaces where flies alight or congregate. In most cases, adding molasses or sugar to the spray prolongs the insecticidal activity of Malathion and serves as a fly attractant.

CAUTION: Avoid contamination of milk, milk equipment and water. Avoid contamination of feed and food products, also drinking fountains and feed troughs.

SMALL GRAIN STORAGE FACILITIES

For a residual wall, floor, and machinery spray in grain elevators, in treating truck beds, box cars, and ships' holds before loading grain, apply 5 pts. per 25 gallons of water making thorough application. Before applying spray, clean elevators, box cars, etc. thoroughly. Remove and burn all sweepings and debris. Only corn, wheat, rye, oats, and barley grain storage facilities may be treated.

DROSOPHILA FLY AND DRIED FRUIT BEETLE CONTROL

ON OR AROUND CULL FRUIT AND VEGETABLE DUMPS: Mix 7 1/2 pints in 100 gallons of water. Apply as a drench, using 8 to 10 gallons of spray per 100 sq. ft. For best results, dumps should not be over 18 inches deep. Do not feed treated fruit and vegetables.

FLY CONTROL

STRAIGHT MALATHION SPRAYS		MALATHION BAIT SPRAYS			
AMOUNT OF SPRAY	AMOUNT MALATHION 8	AMOUNT OF BAIT SPRAY	AMOUNT MALATHION 8	SUGAR (or)	UNSULFURIZED MOLASSES/ CORN SYRUP
2 1/2 gal.	3/4 cup	2 1/2 gal.	3/4 cup	1 cup	1 cup
12 gal.	1 1/4 pt.	12 gal.	1 1/4 pt.	2 1/2 lbs.	1 qt.
100 gal.	1 1/4 gal.	100 gal.	1 1/4 gal.	20 lb.	2 gal.

APPLICATION THROUGH IRRIGATION SYSTEMS - CHEMIGATION

Apply this product only through sprinkler, including center pivot, lateral move, end tow side (wheel) roll, traveler, big gun, solid set, or hand move, or drip (including surface and subsurface) irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Mix in clean supply tank the recommended amount of this product for acreage to be covered, and needed quantity of water.

This product should not be tank-mixed with other pesticides, surfactants or fertilizers unless prior use has shown the combination noninjurious under your conditions of use. Follow precautionary statements and directions for all tank-mix products.

On all crops, use sufficient gallonage of water to obtain thorough and uniform coverage, but not cause runoff or excessive leaching.

This will vary depending on equipment, pest problem and stage of crop growth. Application of more or less than optimal quantity of water may result in decreased chemical performance, crop injury or illegal pesticide residues.

Meter this product into the irrigation water uniformly during the period of operation. Do not overlap application. Follow recommended label rates, application timing, and other directions and precautions for crop being treated. Continuous mild agitation of pesticide mixture may be needed to assure a uniform application, particularly if the supply tank requires a number of hours to empty.

Do not apply when wind speed favors drift beyond the area intended for treatment.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

Note: Gowan Company does not encourage connecting chemigation systems to public water supplies. The following information is provided for users who have diligently considered all other application and water supply options before electing to make such a connection.

Public water systems means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of a least 25 individuals daily at least 60 days out of the year. Chemigation systems connected to public water systems must contain a functional reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from a point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of a least twice the inside diameter of the fill pipe.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shutdown.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of material that are compatible with pesticides and capable of being fitted with a system interlock.

SPRINKLER CHEMIGATION (FOLIAR SPRAY USES)

The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

DRIP (INCLUDING SURFACE AND SUBSURFACE) CHEMIGATION

The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pipe and connected to the system interlock to prevent fluid from being withdrawn form the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

STORAGE AND DISPOSAL

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

PESTICIDE DISPOSAL: Pesticide wastes are toxic. 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.

FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK OR FIRE), CALL CHEMTREC® (800) 424-9300.

For other product information, contact Gowan Company or see Material Safety Data Sheet.

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NOTICE OF CONDITIONS OF SALE AND WARRANTY AND LIABILITY LIMITATIONS

Important: Read the entire Directions for Use and Notice of Conditions of Sale and Warranty and Liability Limitations before using this product. If terms are not acceptable return the unopened container for a full refund.

Our recommendations for use of this product are based on tests believed to be reliable. However, it is impossible to eliminate all risk associated with the use of this product. Crop injury, inadequate performance, or other unintended consequences may result due to soil or weather conditions, off target movement, presence of other materials, method of use or application, and other factors, all of which are beyond the control of Gowan Company. All such risks shall be assumed by the Buyer and User.

Gowan Company warrants that this product conforms to the specifications on the label when used in strict conformance with Direction for Use, subject to the above stated risk limitations. GOWAN COMPANY MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

TO THE FULLEST EXTENT PERMITTED BY LAW, GOWAN COMPANY'S EXCLUSIVE LIABILITY FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, OR ANY OTHER LEGAL THEORY IS STRICTLY LIMITED TO THE PURCHASE PRICE PAID OR REPLACEMENT OF PRODUCT, AT GOWAN COMPANY'S SOLE DISCRETION.

EPA Text: (Notif. of ABN 2-19-08)