



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 23, 2023

Mary Swain
Registration Specialist
Gowan Company LLC
P.O. Box 5569
Yuma, AZ 85365

Subject: Registration Review Label Amendments Incorporating Mitigation from the Fish and Wildlife Services (FWS) and the National Marine Fisheries Services (NMFS) Biological Opinions on the Effects of Malathion on Endangered and Threatened Species and Designated Critical Habitat
Product Name: Malathion 8
EPA Registration Number: 10163-21
Application Dates: 6/27/2022 and 9/21/2022
Decision Numbers: 585516 and 589926

Dear Mary Swain:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the FWS and NMFS' Biological Opinions on the effects of malathion on federally listed endangered and threatened species and designated critical habitat in accordance with section 7 of the Endangered Species Act (ESA) of 1973, as amended (16 U.S.C. 1531 et seq.). The Agency has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40

Page 2 of 2
EPA Reg. No. 10163-21
Decision No. 585516 and 589926

CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

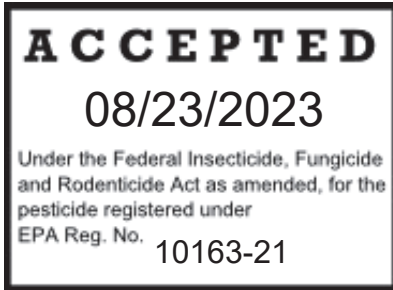
If you have any questions, please contact Carolyn Smith by phone at (202) 566-2273 or via email at smith.carolyn@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Kelly Sherman", with a stylized flourish at the end.

Kelly Sherman
Chief, Risk Management Implementation Branch 3
Pesticide Re-evaluation Division
Office of Pesticide Programs

Enclosure



MALATHION	GROUP	1B	INSECTICIDE
-----------	-------	----	-------------

MALATHION 8

(Alternate Brand Names: Gowan Malathion 8, Malathion 8 Flowable, Gowan Malathion 8 Flowable)
AGRICULTURAL INSECTICIDE

ACTIVE INGREDIENT:	% By Wt.
Malathion (O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate):	79.5%
INERT INGREDIENTS	20.5%
	TOTAL 100.0%

Contains Petroleum Distillates
 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"> • Immediately call a poison control center or doctor. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give any liquid to the person. • 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 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.	
NOTE TO PHYSICIAN	
Malathion upon use may cause cholinesterase inhibition. Atropine is antidotal. May pose an aspiration pneumonia hazard. Contains petroleum distillates.	

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Harmful if swallowed. Avoid breathing of spray mist. Avoid contact with skin.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, Loaders, Applicators, Flaggers, and other Handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of barrier laminate, butyl rubber, nitrile, or viton.
- Shoes plus socks

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

NET CONTENTS _____ GALLONS

EPA Reg. No. 10163-21
 EPA Est. No.



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

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENGINEERING CONTROLS

Pilots must use an enclosed cockpit in a manner that is consistent with the WPS for Agricultural Pesticides [40 CFR 170.240(d)(6)]. Pilots must wear the PPE required on this labeling for applicators.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through drift of spray in wind. This product has a high potential for runoff after application. Use care when applying in or to an area which is adjacent to any body of water, and do not apply when weather conditions favor drift from target area. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product.

A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

This product 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. In citrus, stone fruit, pome fruit and tree nuts: Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete. Protect pollinating insects by following label directions intended to minimize drift and to reduce risk to these organisms.

Reporting Ecological Incidents: To report ecological incidents, including mortality, injury, or harm to plants and animals, call 800-883-1844.

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.

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 apply this product when a storm event likely to produce runoff from the treated area is forecasted (by NOAA/National Weather Service, or other similar forecasting service) to occur within 24 hours following application.

Do not apply this product when soil is saturated, or when a storm event likely to produce runoff from the treated area is forecasted (by NOAA/National Weather Service, or other similar forecasting service) to occur within 48 hours following application.

Use as a mosquito larvicide is prohibited.

For outdoor use only.

For use only by federal, state, tribal or local government officials responsible for insect control or by persons certified in the appropriate category or otherwise authorized by the state or tribal lead pesticide regulatory Agency to perform grasshopper/Mormon Cricket, Beet Leafhopper or Boll Weevil control applications, or by persons under their supervision, or as allowed by state regulations for persons treating private property.

Reporting Ecological Incidents: To report ecological incidents, including mortality, injury, or harm to plants and animals, call 800-883-1844.

Uses Limited to State and Federal Programs Only

- Agricultural, uncultivated areas and fence rows/hedge rows
- Non-agricultural right of way/hedgerows

Restrictions on Ornamental Plants, Vines, Shrubs and Ornamental/Shade Trees

- Spot treatment only
- Do not apply more than two applications per year.
- Minimum retreatment interval is 10 days.

Restrictions on Christmas Tree Plantations and Nurseries

- Aerial application is prohibited.
- Do not apply more than two applications per year.
- Minimum retreatment interval is 7 days.

Restriction for Pine Seed Orchard Use

- For use in slash pine seed orchards in Alabama, Florida, Georgia, Louisiana, Mississippi, North Carolina, South Carolina and Texas only.
- Malathion may be used to control thrips from mid-December to mid-March.
- Do not apply more than two applications per year.
- Minimum retreatment interval is 7 days.
- Do not apply by ground within 25 feet or by air within 50 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, wetlands or natural ponds, estuaries, and commercial fish farm ponds).
- For airblast applications, user must turn off outward pointing nozzles at row ends and when spraying outer row.
- For aerial applications, do not release spray at a height greater than 10 ft above the ground or vegetative canopy, unless a greater application height is necessary for pilot safety. Applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Do not apply when the wind speed is greater than 10 mph.
- Applicators are required to select the nozzle and pressure that deliver medium or coarser droplets (per ASABE S572 for ground and ASABE S641 for aerial).
- Do not apply during temperature inversions.

Restrictions on Commercial Nursery Use

- Apply by ground application only.
- Do not apply more than two applications per year.
- Minimum retreatment interval is 7 days.
- Do not apply when the wind speed is greater than 10 mph.
- Applicators are required to select the nozzle and pressure that deliver medium or coarser droplets (ASABE S572).
- Do not apply by ground equipment within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, wetlands or natural ponds, estuaries and commercial fish farm ponds).

BUFFER FROM WATER STATEMENT

Non-ULV Ground Application

- Do not apply by ground within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, wetlands or natural ponds, estuaries, and commercial fish farm ponds). You must follow the instructions for additional buffer distances beyond the 25 feet, as applicable, per the Endangered Species Protection Bulletin for the area in which you are applying the product. You must obtain a Bulletin no earlier than six months before using this product. To obtain Bulletins, consult <http://www.epa.gov/espp/>, call 1-844-447-3813, or email ESPP@epa.gov.

Non-ULV Aerial Application

- Do not apply within 50 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, wetlands, ponds, estuaries, and commercial fish ponds). You must follow the instructions for additional buffer distances beyond the 50 feet, as applicable, per the Endangered Species Protection Bulletin for the area in which you are applying the product.
- You must obtain a Bulletin no earlier than six months before using this product. To obtain Bulletins, consult <http://www.epa.gov/espp/>, call 1-844-447-3813, or email ESPP@epa.gov.

WATER PROTECTION STATEMENTS

- Do not apply by ground within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, wetlands or natural ponds, estuaries and commercial fish farm ponds).
- Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, wetlands or natural ponds, estuaries, and commercial fish farm ponds).
- Do not apply directly to sewers or storm drains, or to any area like a drain or gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur.
- Do not allow the product to enter any drain during or after application.
- Do not apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack-and-crevice treatment.
- Do not apply to vertical surfaces directly above pervious or impervious surfaces that drain into ditches, storm drains, gutters, or surface waters.
- Do not apply or irrigate to the point of runoff.

POLLINATOR PROTECTION

To minimize hazard to bees, do not apply this product more than two hours after sunrise or more than two hours before sunset. This timing restriction prohibits applications when bees are most active (mid-day). This restriction does not apply when applications are made as a spot treatment or to prevent or control a threat to public and/or animal health determined by a state, tribal or local public health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito borne disease in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

- Calibrate and inspect nozzles at least once a year to ensure they are in good working condition.

Following best management practices can help reduce risk to terrestrial pollinators. Examples of best management practices include applying pesticides in the evening and at night when pollinators are not foraging and avoiding applications to flowering plants. For additional resources on pollinator best management practices, visit <https://www.epa.gov/pollinator-protection/find-best-management-practices-protect-pollinators>.

Managed pollinator protection plans are developed by states/tribes to promote communication between growers, landowners, farmers, beekeepers, pesticide users, and other pest management professionals to reduce exposure of bees to pesticides. If available, visit state plans for additional information on how to protect pollinators.

How to Report Bee Kills. It is recommended that users contact both the state lead agency and the U.S. Environmental Protection Agency to report bee kills due to pesticide application. Bee kills can be reported to EPA at beekill@epa.gov. To contact your state lead agency, see the current listing of state pesticide regulatory agencies at the National Pesticide Information Center's website: http://npic.orst.edu/reg/state_agencies.html.

ENDANGERED SPECIES

It is a Federal offense to use any pesticide in a manner that results in an unauthorized "take" (e.g., kill or otherwise harm) of an endangered species and certain threatened species under the Endangered Species Act section 9. When using this product, you must follow the measures contained in the Endangered Species Protection Bulletin for the area in which you are applying the product. You must obtain a Bulletin no earlier than six months before using this product. To obtain Bulletins, consult <http://www.epa.gov/espp/>, call 1-844-447-3813, or email ESPP@epa.gov. You must use the Bulletin valid for the month in which you will apply the product.

MANDATORY SPRAY DRIFT MANAGEMENT

Non-Ultra Low Volume (ULV) Aerial Applications:

- Do not release spray at a height greater than 10 ft above the ground or vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators must select nozzle and pressure that deliver medium or coarser droplets in accordance with American Society of Agricultural & Biological Engineers Standard (ASABE S641). If the windspeed is 10 miles per hour or less, applicators must use 3/4 swath displacement upwind at the downwind edge of the field. When the windspeed is between 11-15 miles per hour, applicators must use a full swath displacement upwind at the downwind edge of the field.
- Do not apply when wind speeds exceed 15 mph at the application site. If the windspeed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- Do not apply during temperature inversions.

Airblast Applications:

- Sprays must be directed into the canopy.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- User must turn off outward pointing nozzles at row ends and when spraying outer row.
- Do not apply during temperature inversions.

Ground Boom Applications:

- Do not release spray at a height greater than 4 feet above the ground or crop canopy.
- Applicators must select nozzle and pressure that deliver medium or coarser droplets in accordance with American Society of Agricultural & Biological Engineers Standard 572 (ASABE S572).
- Do not apply when wind speeds exceed 10 mph at the application site.
- Do not apply during temperature inversions.

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, and nurseries, 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). The REI for each crop is listed in the directions for use associated with each crop.

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 made of barrier laminate, butyl rubber, nitrile or viton.
- 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, or nurseries. Do not enter or allow others to enter until sprays have dried.

RESISTANCE MANAGEMENT

For resistance management, Gowan contains a Group (1B) insecticide (or acaricide). Any (insect/mite) population may contain individuals naturally resistant to Malathion and other Group (1B) insecticides/acaricides. The resistant individuals may dominate the insect/mite population if this group of insecticides/acaricides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

PRECAUTIONS AND RESTRICTIONS

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 specified rates and intervals, and do not apply closer to harvest than prescribed.

Unless otherwise specified, apply at the first sign of infestation and repeat as needed observing the use limitations listed for each specified crop in the application tables. 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.

Buffer Zones for Aerial Application:

When making a Non-ULV application with aerial application equipment, a minimum buffer zone of 25 feet must be maintained along any water body.

Do not use in greenhouses.

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.

DIRECTIONS FOR DILUTION

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

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.

MIXING DIRECTIONS

Pour specified amount of product into spray tank nearly filled with water. 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.

PREHARVEST INTERVAL

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

TREES AND VINES

Use specified rate in 100 to 800 gallons of water per acre. Under heavy pest pressure, use higher rates.

CROP	REI (HRS)	RATE (PTS/ACRE)	PESTS	COMMENTS
APRICOTS (6)	12	1.5	Aphid, Codling moth, European Lecanium scale, Orange tortrix, Soft brown scale, Terrapin scale	The maximum application rate is 1.5 pints of product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days. Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.
AVOCADOS (7)	48	4.7	Green house thrips, Latania scale, Omnivorous looper, Soft brown scale, Orange tortrix	The maximum application rate is 4.7 pints of product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 30 days.
BLACKBERRIES (1), BOYSENBERRIES (1), DEWBERRIES (1), LOGANBERRIES (1), RASPBERRIES (1)	12	2	Japanese beetle, Leafhoppers, Mites, Thrips	The maximum application rate is 2.0 pints of product per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.
		2	Aphid, Rose scale	
BLUEBERRIES (1)	12	1.25	Aphids, Blueberry maggot, Blueberry tip borer, Cherry fruitworm, Cranberry fruitworm, Japanese beetle, Plum curculio, Leafrollers, Sharp-nosed leafhopper, White Tussock moth	The maximum application rate is 1.25 pints of product per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 5 days.
CHERRIES (3)	12	1.75	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 (Do not exceed 4 applications per year). May cause injury on certain varieties of sweet cherries. The maximum application rate is 1.75 pints of product per acre; the maximum number of applications per year is 4; and the minimum retreatment interval is 3 days. Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.
CITRUS [GRAPEFRUIT, LEMONS, LIMES, ORANGES, TANGELOS, TANGERINES [Mandarin or Mandarin Oranges, Tangors, and other hybrids of tangerines with other citrus] (7)	72	CA: 7.5	Aphids, Black scale (single and off-brooded), California red scale, Citricola scale, Orange worm, Purple scale, Soft scale, Thrips, Yellow scale	Do not apply when trees are in bloom. FOR CALIFORNIA: The maximum application rate is 7.5 pints of product per acre, limited to ground airblast only (no aerial applications); the maximum number of applications per year is 1. FOR FLORIDA: The maximum application rate is 1.5 pints of product per acre; the maximum number of applications per year is 3. ALL OTHER STATES: The maximum application rate is 4.5 pints of product per acre; the maximum number of applications per year is 1. Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.
		FL: 1.5		
		All Other States: 4.5		
		CA: 7.5	Mediterranean fruit fly	
		FL: 1.5		
		All Other States: 4.5		
KUMQUATS (7)	48	4.5	Aphids, Black scale (single and off-brooded), California red scale, Citricola scale, Orange worm, Purple scale, Soft scale, Thrips, Yellow scale	Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete. The maximum application rate is 4.5 pints product per acre; the maximum number of applications per year is 1.
CURRANTS (1)	12	1.25	Japanese beetle, Mites	The maximum application rate is 1.25 pints product per acre; the maximum number of applications per year is 2; the minimum retreatment interval is 7 days.

CROP	REI (HRS)	RATE (PTS/ACRE)	PESTS	COMMENTS
GOOSEBERRIES (1)	12	2	Currant aphid, Imported currantworm	The maximum application rate is 2.0 pints product per acre; the maximum number of applications per year is 3; the minimum retreatment interval is 7 days.
FIGS (5)	12	1.5	Dried fruit beetles, Vinegar flies	Apply with 1 - 2 gallons sulfured molasses per acre. The maximum application rate is 1.5 pints product per acre; the maximum number of applications per year is 2; the minimum retreatment interval is 5 days. Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.
GRAPES (3)	72 girdling and tying 24 other activities	1.88	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. The maximum application rate is 1.88 pints product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 14 days.
GUAVA (2)	12	.75 - 1.25	Fruit flies	Apply with 1 pound partially hydrolyzed yeast protein or enzymatic yeast hydrolyzate. The maximum application rate is 1.25 pints product per acre. Maximum number of applications per year is 13; and the minimum retreatment interval is 3 days.
MANGO (1)	12	0.9375	Fruit flies	Apply with 1 lb. partially hydrolyzed yeast protein or enzymatic yeast hydrolyzate. The maximum application rate is 0.9375 pints product per acre; the maximum number of applications per year is 10; and the minimum retreatment interval is 7 days. Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.
PASSION FRUIT (3)	12	1	Fruit flies	The maximum application rate is 1.0 pints product per acre; the maximum number of applications per year is 8; and the minimum retreatment interval is 7 days.
MACADAMIA NUTS (1)	12	0.94	Green Stink bug	The maximum application rate is 0.94 pints product per acre; the maximum number of applications per year is 6; and the minimum retreatment interval is 7 days. Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.
NECTARINES (7)	24	2	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. The maximum application rate is 3.0 pints product per acre; limit the number of applications to 2 per year; and the minimum retreatment interval is 7 days. Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.
PEACHES (7)	24	1.25	Cottony peach scale, Lesser peach tree borer, Plum curculio, Oriental fruit moth, San Jose scale, Terrapin scale	The maximum application rate is 1.25 pints product per acre; limit the number of applications to 2 per year; and the minimum retreatment interval is 11 days. Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.
PECANS (7)	24	2.5	Aphid, Mites, Pecan bud moth, Pecan leaf casebearer, Pecan nut casebearer, Pecan phylloxera	The maximum application rate is 2.5 pints product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days. Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.

CROP	REI (HRS)	RATE (PTS/ACRE)	PESTS	COMMENTS
WALNUTS (7)	24	1.5 - 2.5	Aphid, Mites, Walnut husk fly	The maximum application rate is 2.5 pints product per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days. Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.

FIELD AND ROW CROPS

Use specified rate in 20 to 60 gallons of water per acre. Under heavy pest pressure, use higher rates.

CROP	REI (HRS)	RATE (PTS/ACRE)	PESTS	COMMENTS
ALFALFA, BIRDSFOOT TREFOIL, CLOVER, LESPEDEZA, VETCH (0)	12	1 - 1.25	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. Do not apply to alfalfa in bloom. Do not apply to clover in bloom. Do not apply to lespedeza in bloom. Apply when day temperature is expected to be above 65F and when 50-70% of leaves show damage. For alfalfa, limit the number of applications to 2/cutting and 2 per year. For clover limit the number of applications to 4 per year. For trefoil (birdsfoot) and vetch limit the number of applications to 1 per cutting and no more than 2 per year. For Lespedeza limit the number of applications to 1/cutting and 2 per year. The maximum application rate is 1.25 pints product per acre; limit the number of applications to 2 per year; and the minimum retreatment interval is 14 days.
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), DOCK (SORREL) (7), FLORENCE FENNEL (7), ORACH (7), PURSLANE-Garden and Winter (7)	24	1 - 1.25	Aphids	The maximum application rate is 1.25 pints product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.
DANDELIONS (7)	24	1.25	Aphids	The maximum application rate is 1.25 pints product per acre; limit the number of applications to 2 per year; and the minimum retreatment interval is 7 days.
PARSLEY (7)	24	1.5	Aphids	The maximum application rate is 1.5 pints product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.
SWISS CHARD (14)	12	1.0	Aphids	The maximum application rate is 1.0 pints product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.
CELERY (7)	24	1.0 - 1.5	Aphids, spider mite	The maximum application rate is 1.5 pints product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.
LETTUCE, FIELD HEAD (14)	24	1.88	Aphids, Alfalfa loopers, Leafhoppers, Mites	The maximum application rate is 1.88 pints product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 6 days.
LETTUCE, FIELD LEAF (14)	24	1.88	Aphids, Alfalfa loopers, Leafhoppers, Mites	The maximum application rate is 2.0 pints product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 5 days.

CROP	REI (HRS)	RATE (PTS/ACRE)	PESTS	COMMENTS
ENDIVE, FIELD (7)	24	1.25	Aphids, Alfalfa loopers, Leafhoppers, Mites	The maximum application rate is 1.25 pints product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.
SPINACH (7)	12	1.0	Aphids	The maximum application rate is 1.0 pints product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.
BEETS, Table (7)	12	1.25	Aphids, Beet armyworm, Blister beetles, Flea beetles	Do not use on Sugar Beets. The maximum application rate is 1.25 pints product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.
COLE CROPS (Brassica (cole) Leafy Vegetable crop group: BROCCOLI (2), BROCCOLI RAAB (RAPINI) (2), BRUSSELS SPROUTS (2), CAULIFLOWER (2), CAVALO BROCCOLO (2), CHINESE BROCCOLI (2), CHINESE MUSTARD CABBAGE (7), MIZUNA (7), MUSTARD SPINACH (7), RAPE GREENS (7)	48	1.25	Aphids, Cabbage loopers, Flea beetles, Imported cabbage worms	The maximum application rate is 1.25 pints product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.
CABBAGE (7)	48	1.25	Aphids, Cabbage loopers, Flea beetles, Imported cabbage worms	The maximum application rate is 1.25 pints product per acre; limit the number of applications to 3 per year; and the minimum retreatment interval is 7 days.
CHINESE CABBAGE (BOK CHOY, NAPA) (7)	48	1.25	Aphids, Cabbage loopers, Flea beetles, Imported cabbage worms	The maximum application rate is 1.25 pints product per acre; limit the number of applications to 3 per year; and the minimum retreatment interval is 7 days.
COLLARDS (7)	12	1	Aphids, Cabbage loopers, Flea beetles, Imported cabbage worms	The maximum application rate is 1.0 pints product per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.
KALE (7), MUSTARD GREENS (7),	12	1	Aphids, Cabbage loopers, Flea beetles, Imported cabbage worms	The maximum application rate is 1.0 pints product per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 5 days.
KOHLRABI (3)	24	1.25	Aphids, Cabbage loopers, Flea beetles, Imported cabbage worms	The maximum application rate is 1.25 pints product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.
CORN-Field (7)	72 hours for detasseling 12 hours for all other activities	1.0	Aphids, Corn rootworm adults, Sap beetles, Thrips, Young grasshoppers	CAUTION: Injury may occur in whorl and silk stages. The maximum application rate is 0.61 pints product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.
COTTON (7)	48	2.5	Aphids, Brown cotton leafworm, Cotton leaf perforator, Leafhoppers, Spider mites, Whitefly, Boll weevils, Cotton fleahoppers, Fall armyworms, Grasshoppers, Garden webworms and Lygus	Do not graze or feed forage to livestock. The maximum application rate is 2.5 pints product per acre; limit the number of applications to 2 per year; and the minimum retreatment interval is 7 days.
CUCUMBERS (1)	24	1.75	Aphids, Cucumber beetles, Cutworms, Darkling ground beetles, Leafhoppers, Pickleworm, Spider mites, Squash vine borer, Thrips	Do not apply unless plants are dry. For vine borer apply to stems and vines at base of plant. The maximum application rate is 1.75 pints product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.
SQUASH, Summer (1)	24	1.75	Aphids, Cucumber beetles, Cutworms, Darkling ground beetles, Leafhoppers, Pickleworm, Spider mites, Squash vine borer, Thrips	The maximum application rate is 1.75 pints product per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.

CROP	REI (HRS)	RATE (PTS/ACRE)	PESTS	COMMENTS
SQUASH, Winter (1)	12	1	Aphids, Cucumber beetles, Cutworms, Darkling ground beetles, Leafhoppers, Pickleworm, Spider mites, Squash vine borer, Thrips	The maximum application rate is 1.0 pints product per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.
EGGPLANT (3)	12	1.56	Aphids, Spider mites, Lace bugs	The maximum application rate is 1.56 pints product per acre; limit the number of applications to 4 per year; and the minimum retreatment interval is 5 days.
FLAX (52)	12	0.5	Grasshoppers	The maximum application rate is 0.5 pints product per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.
GARLIC (3)	24	1 - 1.56	Aphids, Thrips	The maximum application rate is 1.56 pints product per acre; limit the number of applications to 2 per year; and the minimum retreatment interval is 7 days.
LEEKs (3), SHALLOTS (3)	24	1 - 1.56	Aphids, Thrips	The maximum application rate is 1.56 pints product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.
GRASSES (Forage, Hay) (0)	12	1 – 1.25	Aphids, Grasshoppers, Leafhoppers	The maximum application rate is 1.25 pints product per acre; maximum applications is 1/cutting with 4 per year; and the minimum retreatment interval is 14 days.
HOPS (10)	12	0.63	Aphids	The maximum application rate is 0.63 pints product per acre; limit the number of applications to 2 per year; and the minimum retreatment interval is 7 days.
HORSERADISH (7), PARSNIPS (7), SALSIFY (7)	24	1.25	Aphids, Diamondback moths, Flea beetles, Leafhoppers	The maximum application rate is 1.25 pints product per acre; limit the number of applications to 2 per year; and the minimum retreatment interval is 7 days.
RADISHES (7)	12	1	Aphids, Diamondback moths, Flea beetles, Leafhoppers	The maximum application rate is 1.0 pints product per acre; limit the number of applications to 2 per year; and the minimum retreatment interval is 7 days.
MUSHROOMS (1)	12	1.7	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. The maximum application rate is 1.7 pints product per acre; the maximum number of applications per year is 4; and the minimum retreatment interval is 3 days.
OKRA (1)	12	1.2	Aphids, Japanese beetles	The maximum application rate is 1.2 pints product per acre; limit the number of applications to 4 per year; and the minimum retreatment interval is 7 days.
ONIONS- Bulb and Green (3)	12	1 – 1.56	Thrips	The maximum application rate is 1.56 pints product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.
		1.5	Onion maggots	
PEAS, DRIED (3)	12	1	Aphids, Pea weevils	Do not graze or feed forage to livestock. Dried peas can be treated by ground and foliar applications only. The maximum application rate is 1.0 pints product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.
PEAS, GREEN (3)	12	1	Aphids, Pea weevils	Do not graze or feed forage to livestock. Green peas can be treated by ground, foliar and aerial applications. The maximum application rate is 1.0 pints product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.
PEPPERMINT (7), SPEARMINT (7)	12	.84	Adult flea beetles, Leafhoppers	The maximum application rate is 0.94 pints product per acre; limit the number of applications to 2 per year; and the minimum retreatment interval is 7 days.

CROP	REI (HRS)	RATE (PTS/ACRE)	PESTS	COMMENTS
PEPPERS (Field) (3)	12	1.5	Aphids, Pepper maggots	The maximum application rate is 1.5 pints product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 5 days.
POTATOES (0)	12	1	False chinch bugs, Leafhoppers, Mealybugs	The maximum application rate is 1.5 pints product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.
		1.5	Aphids, Blister beetles	
RICE-Domestic, Grain or Wild (7)	12	1.25	Rice leaf miners, Rice stink bugs	Do not apply Propanil within 15 days of Malathion treatment. 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. The maximum application rate is 1.25 pints product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days. Require a 24-hour holding time after application of malathion before paddy water can be released.
RUTABAGAS (7)	12	1	Aphids	The maximum application rate is 1.0 pints product per acre; limit the number of applications to 2 per year; and the minimum retreatment interval is 7 days.
SMALL GRAINS (BARLEY) (7)	12	1 – 1.25	Armyworms, English grain aphids, Grasshoppers, Greenbugs	The maximum application rate is 1.25 pints product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.
SMALL GRAINS (OATS, RYE, WHEAT[spring and summer]) (7)	12	1	Armyworms, English grain aphids, Grasshoppers, Greenbugs	The maximum application rate is 1.0 pints product per acre; limit the number of applications to 2 per year; and the minimum retreatment interval is 7 days.
SORGHUM-Grain (7)	12	1.0	Greenbugs	Do not graze or feed forage to livestock. The maximum application rate is 1.0 pints product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.
STRAWBERRIES (3)	12	1.5 - 2	Aphids, Field crickets, Lygus bugs, Potato leafhoppers, Spider mites, Spittlebugs, Strawberry leafrollers, Strawberry root weevils, Thrips, Whiteflies	The maximum application rate is 2.0 pints product per acre; the maximum number of applications per year is 4; and the minimum retreatment interval is 7 days.
SWEET CORN (Field) (5)	72 detassling 12 other activities	1	Japanese beetles	CAUTION: Injury may occur in whorl and silk stages. The maximum application rate is 1.0 pints product per acre; limit the number of applications to 3 per year; and the minimum retreatment interval is 5 days.
SWEET POTATOES (3)	12	1 – 1.5	Leafhoppers	The maximum application rate is 1.5 pints product per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.
		1.5	Morning Glory leafminers	
TOMATOES (Field) (1)	12	1.5	Aphids, Spider mites, Drosophila flies	Apply a full coverage application to fruit and foliage. The maximum application rate is 1.5 pints product per acre; the maximum number of applications per year is 4; and the minimum retreatment interval is 5 days.
WATERCRESS (7)	12 if max app rate is 1	1	Aphids	The maximum application rate is 1.0 pints product per acre; the maximum number of applications per year is 5; and the minimum retreatment interval is 3 days. Do not spray when water is on the field and do not irrigate until 24 hours after application.
	24 if max app rate is 1.25	1.25		

OUTDOOR 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	<p>CAUTION: Avoid use on certain ferns including Boston, Maidenhair and Pteris, as well as some species of Crassula and Canaetri Juniper.</p> <p>For Oyster shell, Fletch, Juniper, Oak kermes and Pine needle scales apply when scale crawlers have settled on foliage.</p> <p>The maximum number of applications per year is 2; and the minimum retreatment interval is 10 days.</p>
		1.25 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	
		1.6 pints in 100 gals of water	Black scale crawlers, Monterey pine scales	
		2 pints in 100 gals of water	Pine needle scales, Wax scales	

SLASH PINE, PINE SEED ORCHARDS, and CHRISTMAS TREE PLANTATIONS

CROP	REI (HRS)	PESTS	RATE	COMMENTS
SLASH PINE, and PINE SEED ORCHARDS	12	Slash pine flower thrips, European pine sawfly	For ground application, mix 0.4 gallons of Malathion 8 in 100 gallons of water.	Apply 3/4 gallon of the mixture per tree on the smallest flowering trees. Mist blowers or airblast sprays may be used. The maximum application rate is 3.2 pints product per acre; the maximum number of applications per year/growing season is 2; and the minimum retreatment interval is 7 days.
			For air application, mix 0.4 gallons of Malathion 8 in at least 10 gallons of water.	Apply a minimum of 10 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. The maximum application rate is 3.2 pints product per acre; the maximum number of applications per year/growing season is 2; and the minimum retreatment interval is 7 days.
CHRISTMAS TREE PLANTATIONS	12	Slash pine flower thrips, European pine sawfly	For ground application, mix 0.4 gallons of Malathion 8 in 100 gallons of water.	Apply 3/4 gallon of the mixture per tree on the smallest flowering trees. Mist blowers or airblast sprays may be used. The maximum application rate is 3.2 pints product per acre; the maximum number of applications per year is 2.
			For air application, mix 0.4 gallons of Malathion 8 in at least 10 gallons of water.	Apply a minimum of 10 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. The maximum application rate is 3.2 pints product per acre; the maximum number of applications per year is 2.

MOSQUITO CONTROL

AROUND THE OUTSIDE OF BUILDINGS

Around lower outside foundations of homes, yards - spot treatment only, out-door garbage cans, and garbage dumps: Apply 0.2439 gallons of Malathion 8 undiluted per 1000 sq. ft. on painted surfaces. Apply 0.2439 gallons of Malathion 8 undiluted per 1000 sq. ft. on unpainted surfaces.

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 specified 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 specified 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 the 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 flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at 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.

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 materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

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 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 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.

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 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 a system interlock.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Gowan Malathion 8 should be stored in the original unopened container in a secure, dry place. Do not contaminate with other pesticides or fertilizers. The product should never be heated above 55°C (131°F), and should not be stored for long periods of time at a temperature in excess of 25°C (77°F).

PESTICIDE DISPOSAL: To avoid wastes, use all materials in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. After cleaning, if recycling is not available, puncture and dispose of in a sanitary landfill.

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.

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 directions 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, LLC. All such risks shall be assumed by the Buyer and User.

Gowan Company, LLC 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, LLC 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, LLC 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.

Chemtrek® is a registered trademark of American Chemistry Council, Inc.

EPA TEXT Malathion 8: Pending EPA (03-17-23)