

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

September 1, 2005

Ms. Rebecca Hargadine
Gowan Company
P.O. Box 5569
Yuma, AZ 85366

Dear Ms. Hargadine:

Subject: Revised Labeling for EPA Reg. No. 10163-56
Gowan Dimethoate E-267
Use Deletions of Dimethoate as Requested by the Agency
Your Submission Dated July 27, 2005

The label for the product referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided you make the following changes to the label:

1. The following uses have been added to the label since the last stamped accepted label and must be deleted:
 - a. Under Vegetable Crops, delete chinese broccoli, chinese cabbage, and kohlrabi.
 - b. Under Field Crops, delete sainfoin, triticale, and birdsfoot.
 - c. Under Seed Crops, delete sainfoin and birdsfoot.

With the exception of birdsfoot (trefoil), which is no longer an allowable use of dimethoate, all other crops can be added through the amendment process with proper data compensation.

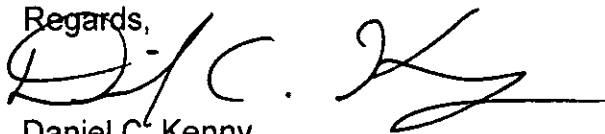
2. Under Seed Crops, add the following prohibition statement, "Do not use on seed onions, seed carrots, or seed bermuda grass."
3. Under Shade and Ornamental Tree and Plants, the following statement must be added, "Do not use on ornamental plants growing in greenhouses, Christmas tree and conifer plantations, landscapes, interiorscapes and residential, public, recreational, commercial, industrial and institutional establishments."
4. The Agency recommends that the Storage and Disposal statements be

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moved immediately after the last directions for use table and before the Warranty Disclaimer.

A stamped copy of the label is enclosed for your records. Submit two copies of your final printed labeling before you release the product for shipment. If you have any questions, please contact Ann Hanger at (703) 306-0395 or hanger.ann@epa.gov.

Regards,



Daniel C. Kenny
Product Manager 1
Insecticide/Rodenticide Branch
Registration Division (7505C)

Enclosure (1)

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GOWAN DIMETHOATE E267

Active Ingredient:	% BY WT.
Dimethoate: O,O-dimethyl S-[(methylcarbamoyl)methyl] phosphorodithioate*	30.5%
Other Ingredients	69.5%
	TOTAL 100.0%

*Contains 2.67 lbs. dimethoate per gallon

KEEP OUT OF REACH OF CHILDREN WARNING-AVISO

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	
If swallowed	<ul style="list-style-type: none"> • Call a 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 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 by mouth-to-mouth, if possible. • Call a poison control center or doctor for further 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 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 eye. • Call a poison control center or doctor for 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	
This product is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine.	

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING-AVISO

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

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

USER SAFETY RECOMMENDATIONS

Users 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 _____ GALLON(S)

ACCEPTED
with **COMMENTS**
In EPA Letter Dated:
SEP 1 2005
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
10163-56

EPA Reg. No. 10163-56
EPA Est. No. 67545-AZ-1



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

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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 (other than mixers and loaders) must wear:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils or Viton ≥ 14 mils
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment

Mixers and Loaders must wear:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils or Viton ≥ 14 mils
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear
- Chemical-resistant apron when mixing or loading
- For exposures in enclosed areas - A respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter
- For exposures outdoors - Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any R, P, or HE filter

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

Engineering controls statements: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

AERIAL APPLICATIONS: AUTOMATIC FLAGGING DEVICES SHOULD BE USED WHENEVER FEASIBLE.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to wildlife and aquatic invertebrates. For terrestrial uses, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning equipment or disposal of wastes.

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

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flame.

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. 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) of 48 hours.

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 over short-sleeved shirt and short pants
- Chemical resistant gloves, such as Barrier Laminate, Butyl Rubber ≥ 14 mils, Nitrile Rubber ≥ 14 mils or Viton ≥ 14 mils
- Chemical resistant footwear plus socks
- Protective eyewear
- Chemical resistant headgear for overhead exposure

PHYTOTOXICITY 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 deposit or runoff, certain spray mixtures, stage of crop development or tank mixes with other pesticides.

RESISTANCE MANAGEMENT STATEMENT

Based on historical use patterns in some areas, certain pest species listed on this label may have developed resistance to GOWAN DIMETHOATE E267. Consult your local agriculture advisor, State Cooperative Extension Service or regional Gowan Company representative for recommendations.

This product may be applied by ground concentrate or dilute equipment or by air. See DILUTION DIRECTIONS for water rates.

DILUTION DIRECTIONS

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

Dilute Application

Field and Vegetable Crops: Apply specified rate in 20 to 75 gallons of water per acre.
 Fruits and Nuts: Apply specified rate in 100 to 800 gallons of water per acre.
 For citrus, use up to 2,000 gallons of water per acre.

Concentrate Application

Field and Vegetable Crops: Apply specified rate in not less than 5 gallons of water per acre.
 Fruits and Nuts: Apply specified rate in 20 to 100 gallons of water per acre. These applications require special concentrate equipment.

Air Application

Field and Vegetable Crops: Apply specified rate in a minimum of 1 gallon of water per acre.
 Fruits and Nuts: Apply specified rate in a minimum of 5 gallons of water per acre.

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

PREHARVEST INTERVAL

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

FRUIT CROPS			
CROP	PEST	PINTS/ 100 GAL. WATER	COMMENTS
PEARS (28)	Aphids, Leafhoppers, Mites (except rust mites), Pear Psylla	¾ to 1 ½	Use in dilute application or 3 to 6 pints per acre in concentrate or aerial application.
	<ul style="list-style-type: none"> Do not apply when trees or substantial numbers of weeds in the orchard (grove) are in bloom. Do not graze livestock in treated orchards. 		
CHERRIES (Sweet and Tart) (28)	Aphids, Cherry Fruit Flies, Mites	1 ½	Use in dilute application or use 3 - 6 pts. per acre in concentrate application. On mature Tart Cherries, use 4 ½ pts. per acre. On mature Sweet Cherries, use 6 pts. per acre. Apply a minimum spray volume of 50 gals. per acre.
	<ul style="list-style-type: none"> Based on available residue date, use of this product on cherries is restricted to Oregon. Do not apply when trees or substantial numbers of weeds in the treatment area are in bloom. Do not graze livestock in treated orchards. Only a single application may be made. 		

FRUIT CROPS (CONTINUED)			
CROP	PEST	PINTS/ 100 GAL. WATER	COMMENTS
CITRUS (Grapefruit, Lemons, Oranges and Tangerines): (15)	Aphids	¾ - 1 ½	Use in dilute ground application as an outside coverage spray.
	Mites (except Rust Mites)	¾ - 1 ½	Use as a thorough distribution coverage spray.
	Scales (except Black or Snow)	1 ½ - 2 ¼	Use as a thorough coverage spray.
	Thrips	¾ - 1 ½	Use as a mist spray.
	Whiteflies	1 ½	Use as a thorough distribution coverage spray.
<ul style="list-style-type: none"> Concentrate Ground and Aircraft Applications: Aphids, Mites (except Rust Mites), Scales (except Black or Snow), Thrips, Whiteflies: Use 3 - 6 pts. per acre.. 			
NONBEARING CITRUS AND NURSERY STOCK (California and Arizona)	Thrips, Aphids	1 ½	Use as a foliar spray. Repeat applications as necessary. Soil Drench (trees 1-3 years old) - Use 3 qts. per acre applied in the furrow or basin around the base of the tree. Apply when insect injury to new growth appears. Consult your State Agricultural Experiment Station or State Agricultural Extension Service for proper timing of applications.
	<ul style="list-style-type: none"> Do not apply soil drench to trees which will bear fruit within one year. Do not apply when trees or substantial numbers of weeds in the orchard (grove) are in bloom. Do not use on citrus seedlings. Make no more than 2 applications to mature fruit. Do not graze livestock in treated orchards. 		

NUT CROPS			
CROP	PEST	PINTS/ ACRE	COMMENTS
PECANS (21)	Aphids, Mites, Leafhoppers	1	
	<ul style="list-style-type: none"> Do not graze livestock in treated groves. 		

VEGETABLE CROPS

CROP	PEST	PINTS/ ACRE	COMMENTS
ASPARAGUS (Except California and Arizona) (180)	Aphids, Asparagus Beetles	1 ½	Repeat applications should not be made at intervals closer than 7 days. Make no more than 5 applications per year.
BEANS (Green, Lima, Snap, Dry): (0)	Aphids, Leafhoppers, Leafminers, Mites, Lygus Bugs	¾ - 1 ½	
	<ul style="list-style-type: none"> Do not feed treated vines. This pesticide is highly toxic to bees. Do not apply if bees are visiting the areas to be treated when the crop or weeds are in bloom. 		
BROCCOLI, CAULIFLOWER (7)	Aphids	¾ - 1 ½	
CHINESE BROCCOLI (gai lan white flowering broccoli) (7)	Aphids	¾ - 1 ½	
BRUSSELS SPROUTS (For use in California only) (10)	Aphids	1 ½ - 3	Apply in a minimum of 100 gals. of water by ground equipment only. Apply when insects first appear and repeat as needed.
	<ul style="list-style-type: none"> Do not feed or graze livestock in treated fields. Do not apply by air. Do not exceed 6 applications per growing season. 		
CHINESE CABBAGE (Bok Choy, Napa), KOHLRABI (7)	Aphids	¾ - 1 ½	
CELERY (Florida) (7)	Leafminers	1	
LEAF LETTUCE, KALE, TURNIP (Greens and Roots), MUSTARD GREENS, SWISS CHARD, ENDIVE (Escarole): (14)	Aphids, Leafhoppers, Leafminers, Mites	¾	
LENTILS (7)	Aphids,	¾	
	Lygus bugs	1 ½	
<ul style="list-style-type: none"> Do not feed or graze hay or treated vines. Do not make more than one application per season. This pesticide is highly toxic to bees. Do not apply if bees are visiting the areas to be treated when the crop or weeds are in bloom. 			
MELONS (3)	Aphids, Leafhoppers, Leafminers	1 ½	Also see watermelons

VEGETABLE CROPS (CONTINUED)

CROP	PEST	PINTS/ ACRE	COMMENTS
PEAS (0)	Aphids	½	
	<ul style="list-style-type: none"> Do not feed or graze hay within 21 days after last application when stationary viner is used. Do not feed or graze when a mobile viner is used. Do not apply more than once per season. This pesticide is highly toxic to bees. Do not apply if bees are visiting the areas to be treated when the crop or weeds are in bloom. 		
PEPPERS (0)	Aphids, Leafminers, Maggots	¾ - 1	
POTATOES (0)	Aphids, Leafminers, Leafhoppers	¾ - 1 ½	
TOMATOES (7)	Aphids, Leafminers, Leafhoppers	¾ - 1 ½	
WATERMELONS (3)	Aphids, Leafminers, Leafhoppers, Mites	¾ - 1 ½	

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

FIELD CROPS

CROP	PEST	PINTS/ ACRE	COMMENTS
ALFALFA, SAINFOIN, BIRDSFOOT (10)	Aphids, Leafhoppers, Lygus Bugs, Grasshoppers, reduction of Alfalfa Weevil Larvae	¾ - 1 ½	Make only one application per cutting. Effective only on cutting to which applied.
	<ul style="list-style-type: none"> Do not apply within 10 days of pasturing. This pesticide is highly toxic to bees. Do not apply if bees are visiting the areas to be treated when the crop or weeds are in bloom. 		

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FIELD CROPS (continued)

CROP	PEST	PINTS/ACRE	COMMENTS
FIELD CORN (14)	Banks Grass Mites (excluding Trans-Pecos area of Texas), Aphids, Bean Beetle, Corn Rootworm Adult	1 - 1 1/2	Apply as necessary. Make no more than three applications per year.
	<ul style="list-style-type: none"> Do not feed or graze within 14 days of last application Do not apply to corn during pollen-shed period. 		
COTTON (Arizona and California) (14)	Lygus Bugs, Fleahoppers, Black Fleahoppers	3/4 - 1 1/2	Repeat applications should not be made at intervals closer than 14 days. Make only 2 applications per season at higher rate.
	<ul style="list-style-type: none"> Do not feed treated forage or graze livestock on treated fields. 		
COTTON (Except Arizona and California) (14 when water is used for dilution; 40 when once refined vegetable oil is used for dilution)	Aphids, Mites, Thrips, Fleahoppers	1/3 - 2/3	For Water Dilution: Repeat applications should not be made at intervals closer than 14 days. For Once Refined Vegetable Oil Dilution: Repeat applications should not be made at intervals closer than 40 days. Make only one application per season at higher rate. Apply at least 1 qt. of finished spray per acre.
	Plant Bugs	2/3	
<ul style="list-style-type: none"> Do not feed treated forage or graze livestock on treated fields. 			
SAFFLOWER (Arizona and California) (14)	Aphids, Leafhoppers, Lygus Bugs, Thrips	2	Repeat applications should not be made at intervals closer than 14 days.
	<ul style="list-style-type: none"> Do not feed treated forage or graze livestock in treated fields. Do not make more than 2 applications per season. 		
SORGHUM (Milo) (28)	Aphids	1/3 - 1 1/2	<ul style="list-style-type: none"> Do not make more than 3 applications per season. Do not feed or graze within 28 days of last application. Do not apply after heading.
	Banks Grass Mite (excluding Trans-Pecos area of Texas), Spider Mites, Grasshoppers	1 1/2	
	Sorghum Midge	1/3 - 2/3	
SOYBEANS (21)	Mexican Bean Beetle, Spider Mites, Bean Leaf Beetle, Leafhoppers, Three Cornered Alfalfa Hopper, Grasshoppers	1 1/2	<ul style="list-style-type: none"> Do not feed or graze within 5 days of last application.
WHEAT, TRITICALE (39)	Aphids	3/4 to 1	<ul style="list-style-type: none"> Do not apply within 14 days of grazing immature plant. Do not apply more than twice per season.
	Brown Wheat Mite	1/3 - 2/3	
	Grasshoppers	1	

SEED CROPS

CROP	PEST	PINTS/ACRE	COMMENTS
ALFALFA, SAINFOIN, BIRDSFOOT (10)	Aphids, Leafhoppers, Lygus Bugs, Grasshoppers, Reduction of Alfalfa Weevil Larvae	3/4 - 1	<ul style="list-style-type: none"> Do not feed or graze livestock on treated crop, hay threshings or stubble within 10 days of application. This pesticide is highly toxic to bees. Do not apply if bees are visiting the areas to be treated when the crop or weeds are in bloom.
GRASS (Grown for Seed) (Idaho, Oregon, and Washington Only) (14)	Aphids, Plant bugs, Thrips, Winter Grain Mites	3/4 - 1	Apply in a minimum of 2 gallons of water per acre
	<ul style="list-style-type: none"> Do not graze or use seed screenings for livestock feed or food purposes. 		

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OTHER USES

CROP	PEST	RATE/ACRE	COMMENTS
HYBRID POPLARS (Cottonwoods), OTHER TREES GROWN FOR PULP (Washington, Oregon, and Idaho only)	Leaf Beetle	1 1/3 - 6 pts.	Apply in 10 gals. of water per acre by aerial or dripline application. Application may be repeated two times. Refer to section entitled DRIP (TRICKLE) CHEMIGATION (SOIL DRENCH USES) section for additional application instructions.

SHADE AND ORNAMENTAL TREE AND PLANTS

Before treating a large number of ornamental plants with GOWAN DIMETHOATE E267 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	PEST	OZS./ 6 GALS. WATER	COMMENTS
AZALEAS (Outdoor)	Lace Bugs, Leafminers, Mites, Tea Scale, Whiteflies	1 1/2	Use as a foliar spray.
CAMELLIA	Aphids, Camellia Scale, Tea Scale, Mites	1 1/2	Use as a foliar spray. Apply 2 sprays, 6 weeks apart the first year followed by annual applications soon after first growth begins in the spring. Soil Drench: Apply as a soil drench around the base of plants in early spring at the rate of 2 ozs. per gallon of water per plant up to 6 ft. tall. Increase the rate proportionately for larger plants.
CARNATIONS	Aphids, Thrips, Mites	1 1/2	Use as a foliar spray. Soil Drench: Apply as a soil drench at the rate of 4 ozs. per 500 sq. ft. of bed or bench (10 qts. per acre) in sufficient water for even distribution. Water in thoroughly after application.
CYPERUS	Bactra Moth Larvae	1 1/2	Use as a drenching spray.
DAY LILIES	Aphids, Thrips	3	Use as a foliar spray.
ARBORVITAE	Aphids, Bagworms, Mites	3	Use as a foliar spray.
BIRCH	Aphids, Leafminers	3/4	Use as a foliar spray. For leafminers, apply when leaves are expanded (about mid-May) and repeat in early July.
BOXWOOD	Leafminers, Mealy Bugs, Mites	1 1/2	Use as a foliar spray. For leafminers, apply in spring when leafminer flies first appear or in early summer to control larvae in infested leaves.
CEDAR	Mites	3	Use as a foliar spray.
EUONYMOUS	Aphids, Scale	3	Use as a foliar spray.
GARDENIAS	Tea scale, Whiteflies	1 1/2	Use as a foliar spray.
GERBERAS	Thrips	1 1/2	Use as a foliar spray.
GLADIOLAS	Aphids, Thrips	1 1/2	Use as a foliar spray.
IRIS	Aphids, Iris Borer, Thrips	3	Use as a foliar spray. For borer control, spray when new leaves are 5 - 6 inches tall.
POINSETTIAS (Outdoor)	Mites, Whiteflies, Mealy Bugs, Aphids	1 1/2	Use as a foliar spray.
FICUS NITIDA (Outdoor)	Thrips	1 1/2	Use as a foliar spray.
• Do not use on potted plants.			
HOLLY , English and American (not Buford variety)	Leafminers, Mites, Soft Scale	1 1/2	Use as a foliar spray. For leafminers, apply in spring when leafminer flies first appear or in early summer for control of larvae in the infested leaves.
HEMLOCK	Mites, Scales	1 1/2	Use as a foliar spray.
JUNIPER	Aphids, Bagworms, Midges, Mites	3	Use as a foliar spray.
OAK	Golden Oak Scale	3	Use as a foliar spray.
PINE	Aphids, Bagworms, European Pine Shoot Moth, Nantucket Pine Tip Moth, Zimmerman Pine Moth	3	Use as a foliar spray.
ROSE (outdoor)	Aphids, Leafhoppers, Mites, Thrips	1 1/2	Use as a foliar spray. For commercial fields: Use 1 pt. per acre in 5 - 10 gals. water by air or 1 pt. per acre in 100 gals. water by ground application.
TAXUS	Fletcher Scale, Mealy Bugs, Mites	3	Use as a foliar spray.

**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, flood (basin) furrow, border, or drip trickle 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.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

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 at 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 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 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 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 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 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.

**FLOOD (BASIN) FURROW AND BORDER
CHEMIGATION (SOIL DRENCH USES)**

Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as drop structure or weir box to decrease potential for water source contamination from backflow if water flow stops.

Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

- a. 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.
- b. The pesticide injection pipeline must contain a functional automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- c. 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 automatically or manually shut down.
- d. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- e. 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.
- f. 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.

**DRIP (TRICKLE)
CHEMIGATION (SOIL DRENCH 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 pipe and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is automatically or manually shut down.

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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. Do not use, pour, spill or store near heat or open flame.

PESTICIDE STORAGE: Store in a cool, dry place.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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 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 and is reasonably fit for the intended purpose referred to 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

BUYER'S OR USER'S EXCLUSIVE REMEDY AND 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.

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