

Base Label

GROUP	21	ACARICIDE
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MAGUS SC MITICIDE

For control of listed mites and insects on ornamental plants

**AGRICULTURAL
SUSPENSION**

READ THIS LABEL AND ATTACHED BOOKLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN

DANGER



POISON

EYE AND SKIN IRRITANT

ACTIVE INGREDIENT:

Fenazaquin **205 g/L**

Contains 1,2-benzisothiazolin-3-one at 0.0097% as a preservative

Warning - contains the allergen sulfites.

REGISTRATION NO. 34545 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 1L - Bulk



Gowan Company, L.L.C.
P.O. Box 5569
Yuma, AZ 85364-5569
Product Information: 1-800-960-4318

™Trademark of Gowan Company, L.L.C.

GENERAL INFORMATION

MAGUS SC is a suspension concentrate formulation that acts by contact to provide rapid knockdown of mites and certain insects. MAGUS SC provides control of eggs by contact and controls immature and adult mites by both contact and ingestion. MAGUS SC is a METI (mitochondrial electron transport inhibitor) classified as IRAC Group 21.

SAFETY AND HANDLING

PRECAUTIONS

Hazardous to Humans and Domestic Animals.

KEEP OUT OF REACH OF CHILDREN.

Fatal if swallowed. Harmful if inhaled. Avoid breathing spray. Causes skin irritation. DO NOT get on skin. May irritate eyes. Avoid contact with eyes.

Apply only when the potential for drift beyond the area to be treated is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

Personal Protective Clothing and Equipment

Follow the personal protective equipment and restriction requirements for the appropriate mixer/loader and applicator scenario as described in the booklet label.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not re-use them. Follow manufacturer's instructions for cleaning and maintaining personal protective equipment (PPE). If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendation

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.
- 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.

Restricted-entry Interval

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 1 day to perform hand set irrigation. For all other postapplication activities, **DO NOT** enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

For ornamental plants in residential, public, commercial, institutional, or industrial areas and recreational sites:

- **DO NOT** allow public use of treated areas until sprays have dried.

FIRST AID

Take the container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If swallowed: Call a poison control centre or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

If inhaled: 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 centre or doctor for further treatment advice.

If in eyes: 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 centre or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

For product information call 1-800-960-4318 or visit our website at www.gowanco.com. In case of emergency involving a major spill, leak or fire call Chemtrec® at 1-800-424-9300. For medical emergencies call 1-888-478-0798.

TOXICOLOGICAL INFORMATION

No specific antidote. Employ supportive care. Treatment should be based on judgment of the physician in response to reactions of the patient.

ENVIRONMENTAL PRECAUTIONS

TOXIC to aquatic organisms. Observe spray buffer zones specified under DIRECTIONS FOR USE.

Toxic to bees. Bees may be exposed through direct spray, spray drift, and residues on leaves, pollen and nectar in flowering crops and weeds. Minimize spray drift to reduce harmful effects on bees in habitats close to the application site. Avoid applications when bees are foraging in the treatment area in ground cover containing blooming weeds. To further minimize exposure to pollinators, refer to the complete guidance "Protecting Pollinators during Pesticide Spraying – Best Management Practices" on the Health Canada website (www.canada.ca/pollinators). Follow crop specific directions for application timing.

For applications on crops that are highly attractive to pollinators (outdoor ornamentals [except coniferous evergreens and ornamental grasses]), or when using managed bees for pollination services: Do not apply during the crop blooming period.

Toxic to certain beneficial arthropods (which may include predatory and parasitic insects, spiders, and mites). Minimize spray drift to reduce harmful effects on beneficial arthropods in habitats next to the application site such as hedgerows and woodland.

Greenhouse use: Toxic to bees and other beneficial arthropods (which may include predatory and parasitic insects, spiders, and mites). May harm bees and other beneficial arthropods, including those used in greenhouse production. Avoid application when bees or other beneficial arthropods are in the treatment area.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body.

STORAGE

Store this product away from food or feed.

DISPOSAL

Recyclable Containers:

DO NOT reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

Returnable Containers:

DO NOT reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

Disposal of Unused/Unwanted Product:

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER

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Personal Protective Clothing and Equipment

- Groundboom, manually-pressurized handheld equipment, backpack sprayer: Wear coveralls over a long-sleeved shirt and long pants, socks, chemical-resistant footwear and chemical-resistant gloves.
- Airblast: Wear coveralls over a long-sleeved shirt and long pants, chemical-resistant gloves, protective eyewear (goggles or faceshield), socks and chemical-resistant footwear during mixing, loading, application, clean-up and repair. In addition, wear chemical-resistant headgear during open-cab airblast application. Chemical-resistant headgear includes Sou'Wester hat, chemical-resistant rain hat or large brimmed waterproof hat and hood with sufficient neck protection. Gloves are not required during application within a closed cab.
- Mechanically-pressurized handheld equipment:
 - Outdoor Ornaments: Wear coveralls over a long-sleeved shirt and long pants, chemical-resistant gloves, protective eyewear (goggles or faceshield), socks and chemical-resistant footwear during mixing, loading, application, clean-up and repair.
 - Greenhouse Ornaments: Wear chemical-resistant coveralls over a long-sleeved shirt and long pants, chemical-resistant gloves, protective eyewear (goggles or faceshield), socks and chemical-resistant footwear during mixing, loading, application, clean-up and repair.

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DIRECTIONS FOR USE

General Use Precautions

As this product is not registered for the control of pests in aquatic systems, **DO NOT** use to control aquatic pests.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

DO NOT allow releases, effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.

To protect pollinators, follow the instructions regarding bees in the Environmental Precautions section.

DO NOT apply using handheld mist blower/airblast or handheld fogging equipment.

DO NOT apply in greenhouses, except on greenhouse ornamental plants.

DO NOT use on ornamentals grown for cut flowers.

DO NOT apply greenhouse processing water containing this product to field crops (food and feed).

DO NOT apply to interiorscapes or plantscapes in buildings when occupants and/or bystanders are present.

DO NOT apply this product in a way that will contact workers or other persons, either directly or through drift. For any requirements specific to your province or territory, consult the agency responsible for pesticide regulation.

DO NOT apply by air.

DO NOT apply by any type of irrigation system.

Mixing Instructions

Shake well before using and agitate frequently while applying. If agitation is stopped for an extended period of time, the spray solution must be thoroughly re-mixed prior to further use. Maintain agitation during mixing.

In general, no additives are necessary for effective use of MAGUS SC. MAGUS SC may be tank mixed with non-ionic surfactants at a concentration of 0.25% v/v.

Application Directions

Foliar Spray Application:

Foliar applications may be made using properly calibrated ground sprayers. Thorough and uniform coverage of plants, with direct contact of the spray mixture to the target pests is required for satisfactory control.

Apply MAGUS SC in sufficient water to ensure thorough coverage of fruit and foliage. Applications can be made with low or high volume spray equipment; however, thorough coverage is required for optimum control.

Do not apply where thorough coverage of plant is not possible. Applications made with less than thorough coverage may result in slower activity and/or less overall control from a single application than an application made with higher application volumes.

See application volume directions by crop in the Application Directions table.

Field sprayer application: DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. DO NOT apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) medium classification. Boom height must be 60 cm or less above the crop or ground.

Airblast application: DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. DO NOT direct spray above plants to be treated. Turn off outward pointing nozzles at row ends and outer rows. DO NOT apply when wind speed is greater than 16 km/h at the application site as measured outside of the treatment area on the upwind side.

Spray Buffer Zones

A spray buffer zone is NOT required for uses with hand-held application equipment permitted on this label.

The spray buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of application	Crop		Spray Buffer Zones (metres) Required for the Protection of:			
			Freshwater Habitat of Depths:		Estuarine/Marine Habitat of Depths:	
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m
Field sprayer	Outdoor ornamental plants, including non-bearing fruit and nut trees (field grown, outdoor nursery, shadehouse) and established landscape plantings		20	4	4	2
Airblast	Outdoor ornamental plants, including non-bearing fruit and nut trees (field grown, outdoor nursery, shadehouse) and established landscape plantings	Early growth stage	50	35	35	25
		Late growth stage	40	25	25	15

When tank mixes are permitted, consult the labels of the tank-mix partners and observe the largest (most restrictive) spray buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

The spray buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Spray Buffer Zone Calculator on the Pesticides portion of the Canada.ca website.

Crops and Application Rates

Ornamentals

Ornamental plants, including fruit and nut tree seedlings (greenhouse)		
Pest	Rate	Comments
	(mL product / 400 L spray volume)	
Twospotted spider mite, European red mite, McDaniel spider mite, Pacific spider mite	300-750	<ul style="list-style-type: none"> Do not make more than one application per crop cycle or two applications per year with a minimum 14-day reapplication interval. Apply in a maximum of 1000 L water/ha and ensure thorough coverage of the foliage. Do not exceed 2.5 L/ha per crop cycle or 5.0 L/ha per year. Toxic to bees. Avoid application when bees are in the treatment area.
Sweetpotato whitefly	750-1000	

Ornamental plants, including non-bearing fruit and nut trees (field grown, outdoor nursery, shadehouse)		
Pest	Rate	Comments
	(mL product / 400 L spray volume)	
Twospotted spider mite, European red mite, McDaniel spider mite, Pacific spider mite	300-750	<ul style="list-style-type: none"> Do not make more than one application per year. Apply in a maximum of 1000 L water/ha and ensure thorough coverage of the foliage. Do not exceed 1.875 L/ha per year. Except coniferous evergreens and ornamental grasses: Toxic to bees. DO NOT apply during the crop blooming period.

Indoor Plants and Plantscapes, including ornamental plants in residences, commercial buildings and shopping malls.		
Pest	Rate	Comments
	(mL product / 400 L spray volume)	
Twospotted spider mite, European red mite, McDaniel spider mite, Pacific spider mite	300-750	<ul style="list-style-type: none"> Do not make more than two applications per year with a minimum 14-day reapplication interval. Apply in a maximum of 1000 L water/ha and ensure thorough coverage of the foliage. Do not exceed 2.5 L/ha per application or 5.0 L/ha per year.
Sweetpotato whitefly	750-1000	

Established Ornamental Landscape Plantings, including ornamental plants in residential areas, public areas, commercial areas, institutional areas, industrial areas, rights of way and other easements, and recreational sites such as campgrounds, golf courses, parks and athletic fields		
Pest	Rate	Comments
	(mL product / 400 L spray volume)	
Twospotted spider mite,	300-750	<ul style="list-style-type: none"> Do not make more than one application per year.

European red mite, McDaniel spider mite, Pacific spider mite		<ul style="list-style-type: none"> • Apply in a maximum of 1000 L water/ha and ensure thorough coverage of the foliage. • Do not exceed 1.875 L/ha per year. • Except coniferous evergreens and ornamental grasses: Toxic to bees. DO NOT apply during the crop blooming period.
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Resistance Management Recommendations

For resistance management, please note that Magus SC Miticide contains a Group 21 insecticide/acaricide. Any insect/mite population may contain individuals naturally resistant to Magus SC Miticide and other Group 21 insecticides/acaricides. The resistant individuals may dominate the insect/mite population if this group of insecticides/acaricides is used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance:

- Where possible, rotate the use of Magus SC Miticide or other Group 21 insecticides/acaricides with different groups that control the same pests.
- Use tank mixtures with insecticides/acaricides from a different group when such use is permitted.
- Insecticide/acaricide use should be based on an IPM program that includes scouting and record keeping, and considers cultural, biological and other chemical control practices.
- Monitor treated pest populations for resistance development.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.

For further information or to report suspected resistance, contact Gowan Company at 1-800-960-4318.

NOTICE TO USER

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