

10163-240

4-8-1999

1/5



Ovicide/Miticide Hexygon

FOR COMMERCIAL USE ONLY

ACTIVE INGREDIENT: Hexythiazox	% By Wt.
<i>trans</i> -5-(4-Chlorophenyl)-N-cyclohexyl-4-methyl-2-oxothiazolidine-3-carboxamide	50%
OTHER INGREDIENTS	50%
	TOTAL 100%

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush with plenty of water. Get medical attention if irritation persists.

IF ON SKIN: Wash thoroughly with soap and water. Get medical attention if irritation persists.

IF INHALED: Remove victim to fresh air. Apply artificial respiration if necessary.

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

FOR EMERGENCY MEDICAL RESPONSE AND HAZARD COMMUNICATIONS ONLY, CALL 1-800-228-5635 EXT. 283.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

May irritate eyes, nose, throat and skin. Harmful if inhaled. Avoid breathing dust or spray mist. Avoid contact with skin, eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

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

USER SAFETY RECOMMENDATIONS

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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

GENERAL INFORMATION

Hexygon Ovicide/Miticide is recommended for use as a foliar application to labeled crops. Hexygon Ovicide/Miticide provides effective control of major spider mite species. It is a 50% wettable powder formulation to be mixed with a diluent and applied as a spray.

Hexygon controls mites through activity on eggs and immature stages. Control is achieved from either direct contact with the spray or from contact with treated plant surfaces. Through its ovicidal activity, Hexygon controls newly deposited mite eggs and eggs which are laid after application. Hexygon is also highly effective in controlling immature motile stages of target mite species that are sprayed or move onto treated surfaces. Adult mites are not directly affected. However, eggs produced by females in contact with treated surfaces will be rendered inviable. Hexygon provides extended residual control of pest mite species without disrupting beneficial insects and mites. The degree and duration of control is dependent on the rate used, growth stage of the mite, species of mite, and climatic conditions under which the material is applied.

NET CONTENTS 6 OZS.

EPA Reg. No. 10163-240
EPA Est. No. 065387-AR-002

ACCEPTED

Gowan

APR 8 1999

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 10163-240

Gowan Company
P. O. Box 5569
Yuma, AZ 85368-5569

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 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) of 12 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:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Chemigation Statement: Do not apply this product through any type of irrigation system.

Managing Mite Resistance: Repeated use of miticides with similar modes of action may lead to buildup of resistant strains of mites. For resistance management, apply Hexygon Ovicide/Miticide only once per crop cycle. If crop cycle is longer than one year do not apply Hexygon Ovicide/Miticide more than once per year. Do not apply if resistance to products with a similar mode of action is recognized in the crop. If additional miticide applications are needed during a crop cycle, use a product with a different mode of action, such as a contact adulticide. Always read and follow the product label before applying any miticide.

Proper Timing: The activity of Hexygon Ovicide/Miticide is predominantly against eggs and immature mites. The product should be applied prior to adult mite buildup. Apply at first sign of egg deposit. If adult mites are present in medium to high populations or if all life stages are present, better results may be obtained by applying Hexygon Ovicide/Miticide in combination with a registered contact mite adulticide.

Proper Mixing: Start with completely clean spray tank. If the spray tank was used for an application of an emulsifiable liquid formulation, make certain that all residues are cleaned from the spray tank and that the tank, spray boom and all nozzles are thoroughly rinsed before adding Hexygon Ovicide/Miticide to the tank.

Mixing Directions: Continuous agitation is required to keep the product in suspension.

If this product is packaged in water-soluble bags, please read and observe the following directions for use:

- Packets containing Hexygon are water-soluble. Avoid exposing inner bags to moisture.
- Do not allow bags to become wet prior to adding to the spray tank.
- Do not handle inner bag with wet hands.
- Reseal outer bag in a manner that protects remaining packets from moisture.
- Turn on spray tank agitation prior to adding water-soluble packets.
- To prepare the spray mixture, drop the required number of unopened packets, as determined under RECOMMENDATIONS, into the spray tank while filling with water to the desired level (whenever possible direct the fill water over the top of the packets to increase the rate of solubility). Where dosages of Hexygon are expressed as fractions of packets, prepare the tank mix load to the lower of the nearest whole packet.
- Depending on the water temperature and the degree of agitation, the packets should be completely dissolved within approximately three to five minutes from the time they were added to the spray tank.

Mixing Directions (continued)

- Once the packets have completely dissolved, add other chemicals following conventional mixing order practices.
- Tank-mix solutions containing boron will affect the solubility of the water-soluble film. Thoroughly rinse the spray tank of any boron-containing spray solution prior to adding any water-soluble packets. When preparing tank mixes containing boron, add the correct amount of Hexygon to the spray tank first. Make sure that the water-soluble packets are completely dissolved. Add boron preparations to the spray tank last. High concentrations of boron may cause dissolved water soluble bag material to precipitate and form insoluble residue in the spray tank system.

If this product is **NOT** packaged in water-soluble bags, please read and observe the following directions for use:

- Turn on spray tank agitation. Pour recommended amount of this material on the surface of water in a nearly filled spray tank.
- Add balance of water to fill the tank.
- Keep agitator running during filling and spraying operations. Do not allow mixture to stand.

Compatibility: Hexygon is compatible with most crop protection chemicals. However, all possible combinations have not been evaluated. Before operational use of Hexygon Ovicide/Miticide with other products, test mix small proportionate quantities of each product to ensure compatibility.

Spreader-Sticker Recommendations: Spreader-sticker agents formulated specifically for ornamentals may be used in combination with Hexygon Ovicide/Miticide to enhance uniform wetting of leaf surfaces and improve contact activity. Prior to treating large numbers of plants or new species or varieties, treat a few plants with desired tank-mix combinations and observe for 7-10 days to reduce the possibility of plant injury.

Spray volume: Hexygon is a contact miticide and good coverage is essential for optimum performance. Use sufficient volume to obtain thorough, uniform coverage. Spray all foliage surfaces including underside of leaves for complete coverage.

Application Directions: Apply lower rates when mite infestation levels are low and higher rates on moderate to high mite infestation levels. Make only one application per crop cycle or once per year. This product is for use in commercial plantings. It is also intended for use in home plantings and ornamental landscaping by licensed commercial pesticide applicators.

RECOMMENDATIONS

CROP	PEST	RATE	COMMENTS
Ornamental Plants	Arborvitae	1-2 oz.	Apply to ornamental plants such as flowers, bedding plants, foliage plants, container-grown nursery stock, bare root nursery stock, and to non-bearing fruit, nut, and vine plants. When using high-volume dilute sprays, do not exceed the maximum per acre rate. For concentrate equipment, use the recommended rate per acre.
	Spider Mite, European	per 100 gals. applied dilute	
Nonbearing Trees & Vines Growing in Nurseries	Red Mite	OR	
	Honeylocust	3-6 oz. per acre applied concentrate	
	Spider Mite, Pacific	OR	
Established Ornamental Landscape Plantings	Spider Mite, Southern	0.07-0.14 oz. per 1000 square feet	
	Red Mite, Spruce	OR	
	Spider Mite, Strawberry	OR	
	Spider Mite, Twospotted	OR	
	Spider Mite, Willamette	OR	

Note: For use on orchids, follow supplemental labeling supplied by Gowan Company.

Restrictions:

- Do not use Plyacel or household detergents in tank-mix combinations with Hexygon.
- Do not graze or feed livestock on cover crops growing in treated areas. Do not use on crops used for feed or forage.
- Do not use water from treated areas for irrigating other crops.
- Do not use this product on crops growing in greenhouses.

Phytotoxicity: Hexygon is intended for use only on healthy, stable plants. It should not be applied to plants that have not adjusted to changes in temperature, water, light sensitivity, new containers, new growing areas, transplantation, wind exposure or other environmental changes. Nor should it be applied to plants that are stressed by improper watering, temperature extremes, improper light, insects, diseases, nematodes or other disorders. To minimize the possibility of plant injury, a few plants should be treated with the recommended tank mix combinations and observed for 7 to 10 days before Hexygon® is applied to a large number of plants. If plant damage develops in the test plants, Hexygon should not be applied to any other plants. In that case, call us at (520) 783-8844 for further information.

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.
STORAGE: Store product in original container only, away from other pesticides, fertilizers, food or feed.
PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

STORAGE AND DISPOSAL (continued)

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.

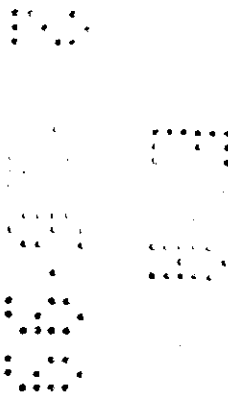
**FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK OR FIRE),
CALL CHEMTREC® (800) 424-9300.**

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

NOTICE ON CONDITIONS OF SALE

Our recommendations for Hexygon were developed through tests believed to be reliable. It may be safely used only in strict accordance with our recommendations. We are not responsible for injury or damage caused by use of Hexygon in any manner inconsistent with our recommendations or contrary to established safe practices. For further information, call us at (520) 783-8844.

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**SUPPLEMENTAL LABELING
HEXYGON 50-WP**

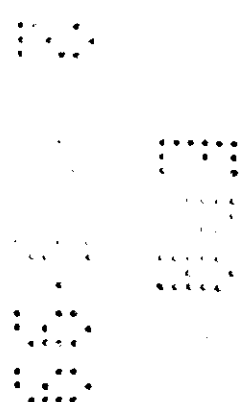
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

All applicable directions, restrictions and precautions on the EPA registered label are to be followed.

This labeling must be in the possession of the user at the time of pesticide application.

CROP	PEST	RATE	COMMENTS
Orchids	Arborvitae	1 -2 oz.	When using high-volume dilute sprays, do not exceed the maximum per acre rate. For concentrate equipment, use the recommended rate per acre. Note: If used on orchids, apply prior to bloom formation.
	Spider Mite, European	per 100 gals.	
	Red Mite,	applied dilute	
	Honeylocust	OR	
	Spider Mite, Pacific	3 - 6 oz. per acre	
	Spider Mite, Southern	applied concentrat	
	Red Mite,	e	
	Spruce	OR	
	Spider Mite,	0.07-0.14	
	Strawberry	oz. per	
	Spider Mite,	1000	
	Twospotted Spider Mite, Willamette Mite	square feet	
Restrictions:			
<ul style="list-style-type: none"> Do not use Plyac® or household detergents in tank-mix combinations with Hexygon. Do not graze or feed livestock on cover crops growing in treated areas. Do not use on crops used for feed or forage. Do not use water from treated areas for irrigating other crops. Do not use this product on crops growing in greenhouses. 			

EPA Text Pending: Hexygon 10163-240 (to EPA 2-4-99)



Attachment to labels for applications submitted 2-4-99 for:

1. **Savey Ovicide/Miticide 50WP & Hexygon Ovicide/Miticide, EPA Reg. No. 10163-208**
(Hexygon is an alternate brand name under 10163-208), OPP Identifier No. 258435
2. **Hexygon Ovicide/Miticide, EPA Reg. No. 10163-240, OPP Identifier No. 258434**

PRINTING ON WATER SOLUBLE BAG

Savey Ovicide Miticide 50-WP
EPA Reg. No. 10163-208
Contains 50% hexythiazox
CAUTION
KEEP OUT OF REACH OF CHILDREN
Refer to outer bag for instructions

OR

Hexygon Ovicide/Miticide
EPA Reg. No. 10163-208
Contains 50% hexythiazox
CAUTION
KEEP OUT OF REACH OF CHILDREN
Refer to outer bag for instructions

OR

Hexygon Ovicide/Miticide
EPA Reg. No. 10163-240
Contains 50% hexythiazox
CAUTION
KEEP OUT OF REACH OF CHILDREN
Refer to outer bag for instructions

