

10163-251

ACCEPTED

04/09/2002

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Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 10163-251

HEXYGON DF

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

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call poison control center or doctor for further treatment advice.

IF SWALLOWED: 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 a poison control center or doctor.

IF ON SKIN OR CLOTHING: 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.

Have the product container or label with you when calling a poison control center or doctor or going for treatment
For Medical Emergencies Involving This Product, Call Toll Free: 1-888-478-0798

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% dry-flowable 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. 10163-251
EPA Est. No. 67545-AZ-1



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

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Follow all directions on packaging and any EPA-approved supplemental 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

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 for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants in farms, forests, nurseries, or greenhouses.

REENTRY: Keep children, pets and unprotected persons out of treated areas until sprays have dried.

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.
- 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 and Nonbearing Trees & Vines Growing in Nurseries, Greenhouses, Shadehouses and Christmas Tree Plantations	Arborvitae Spider Mite, European Red Mite, Honeylocust Spider Mite,	1 -2 oz. per 100 gals. applied dilute OR	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.
Established Ornamental Landscape Plantings, including those in: Interiorscapes, Residences, Public Areas, Commercial Areas, Institutional Areas, Industrial Areas, Rights of way and other easements, and Recreational sites such as campgrounds, golfcourses, parks and athletic fields	Pacific Spider Mite, Southern Red Mite, Spruce Spider Mite, Strawberry Spider Mite, Twospotted Spider Mite, Willamette Mite	3 - 6 oz. per acre applied concentrate OR 0.07-0.14 oz. per 1000 square feet	
<p>Note: For use on ORCHIDS, follow supplemental labeling supplied by Gowan Company.</p> <p>Restrictions:</p> <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. 			

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.

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 DF**

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 Spider Mite, European Red Mite, Honeylocust Spider Mite, Pacific Spider Mite, Southern Red Mite, Spruce Spider Mite, Strawberry Spider Mite, Twospotted Spider Mite, Willamette Mite	1 -2 oz. per 100 gals. applied dilute OR 3 - 6 oz. per acre applied concentrate OR 0.07-0.14 oz. Per 1000 square feet	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.
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. 			

EPA Text Pending: Hexygon DF First Aid (to EPA 11-26-01)