



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number: Date of Issuance:

10163-
251

AUG 31 2000

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance: **Unconditional**

Name of Pesticide Product:

Hexygon WDG

Name and Address of Registrant (include ZIP Code):

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

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA sec. 3(c)(5), provided that you:

1. Make the following labeling changes listed below before you release the product for shipment:
 - a. EPA has issued PR Notice 2000-3 revising first aid statements. The following are revised statements that are required for products placed in toxicity category III and above. Revise your first aid statements accordingly.

“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.”

IF SWALLOWED: Call a poison control center 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 center or a doctor.

Signature of Approving Official:

George T. LaRocca

Date:

AUG 31 2000

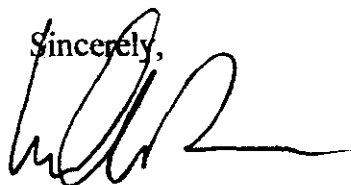
IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center for treatment advice.

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 a poison control center or doctor for further treatment advice”.

- b. Please change the heading “Statement of Practical Treatment” to “First Aid.”
 - c. Under your “ENVIRONMENTAL HAZARDS” section, please change the statement “Do not contaminate water...” to read “Do not contaminate water when cleaning equipment or when disposing of equipment washwaters.”
 - d. Under the “Precautionary Statements” section of your label, please add the following statements: “Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.”
 - e. Add the following statement to the front of the label “For Agricultural/Commercial Use Only”.
2. Your request to waive the Enforcement Analytical Method (40 CFR 158.190), based on the fact that the end-use product is not produced by an integrated system, is denied. Each active ingredient in a product must have an analytical method suitable for enforcement purposes.
 3. Please submit two (2) copies of your final printed label before you release the product for shipment. Please refer to the A-79 enclosure for a further description of final printed labeling. Your release for shipment of the product bearing amended labeling constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

If you have any questions regarding this action, please contact Dr. William Sproat of my team at (703) 308-8587.

Sincerely,



George T. LaRocca
Product Manager (13)
Insecticide Branch
Registration Division (7505C)

Enclosure



Ovicide/Miticide Hexygon WDG

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% active ingredient water dispersible granular 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.

AUG 31 2000



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

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

10163-251

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	
Nonbearing Trees & Vines Growing in Nurseries	Red Mite, Honeylocust	dilute OR	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, Pacific	3-6 oz. per acre	
Established Ornamental Landscape Plantings	Spider Mite, Southern	applied concentrate	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.
	Red Mite, Spruce	OR	
	Spider Mite, Strawberry	0.07-0.14 oz. per 1000 square feet	
	Spider Mite, Twospotted		
	Spider Mite, Willamette Mite		

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

Restrictions:

- 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.

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.

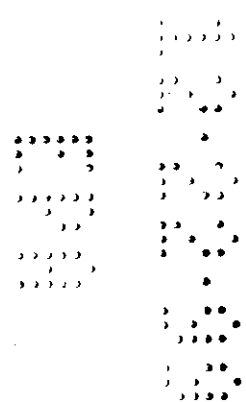
**FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK OR FIRE),
CALL CHEMTRE® (800) 424-9300.**

**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 WDG**

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 concentrate	
	Red Mite,	e	
	Spruce	OR	
	Spider Mite,	0.07-0.14	
	Strawberry	oz. Per	
	Spider Mite,	1000	
Twospotted	square		
Spider Mite,	feet		
Willamette			
Mite			
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 WDG

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