

PM 03

10163-240

10/7/98

Pg 1/7

OCT 20 1998

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

Subject: **Hexygon Ovicide/Miticide (EPA Reg. No. 10163-240)**  
**Savey Ovicide/Miticide 50-DP (EPA Reg. No. 10163-208)**  
Update of Agency letters dated October 19, 1998

Dear Ms. Collins:

This letter is a follow up to our letters to you dated October 19, 1998 regarding label comments for the products referred to above. In addition to deleting the sentence "This product may be used in the greenhouse." from both product labels, please also add the following restriction to both product labels for clarification purposes: "This product may not be used in greenhouses." Thank you very much for your assistance in this matter.

Sincerely yours,



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

OCT 19 1998

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

Subject: Hexygon® Ovicide/Miticide  
EPA Registration No. 10163-240  
Correction of Registration Notice dated October 7, 1998

Dear Ms. Collins:

Thank you for your phone call today regarding an error in our letter to you dated October 7, 1998. In addition to the label comments outlined in the October 7, 1998 Registration Notice for the product referred to above, please also make the following change:

1. Delete the sentence "This product may be used in the greenhouse." from the directions for use on ornamentals, etc... on page 2 of the label.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

I apologize for any inconvenience this error may have caused you and your company.

Sincerely yours,



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

CONCURRENCES

SYMBOL	Enclosure							
SURNAME								
DATE								



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
475 M St. S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
10163-240

Date of Issuance:  
October 7,  
1998

NOTICE OF PESTICIDE:  
X Registration  
     Reregistration

Term of Issuance: Conditional

Name of Pesticide Product:  
Hexygon® Ovicide/Miticide

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Carolyn A. Collins  
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 conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label changes:
  - a. Revise the EPA Registration Number to read, "EPA Reg. No. 10163-240".

Signature of Approving Official:

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

Date:

OCT 7 1998

b. Delete the directions for use on orchids grown in greenhouses. The proposed use of this product on orchids grown in greenhouses would be considered the first indoor use for the active ingredient hexythiazox. The use in greenhouses is a new use which would require HED review because of the potential for a different exposure scenario and would need a risk assessment. In order for this to be further reviewed by the Agency, Gowan will need to identify this action as a priority.

c. After the product name, change the sentence "Recommended For Commercial Use" to "For Commercial Use Only."

3. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,



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

Enclosure



# Ovicide / Miticide Hexygon®

567

—RECOMMENDED FOR COMMERCIAL USE ONLY

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

## 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.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

OCT 7 1998



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

EPA Reg. No. 10163-~~4~~ EUN  
EPA Est. No. 06532-AR-002



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

10163-240

**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 acaricide. 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 acaricide.

**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. Fill tank 1/2 full with diluent, and with agitator running add proper amount of Hexygon Ovicide/Miticide. Finish by adding the required volume of diluent. Continuous agitation is required to keep the product in suspension.

**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

through, 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.

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. This product may be used in the greenhouse.
	Spider Mite, European	per 100 gals.	
Nonbearing Trees & Vines Growing in Nurseries	Red Mite	applied dilute	When using high-volume dilute sprays, do not exceed the maximum per acre rate. For concentrate equipment, use the recommended rate per acre. This product may be used in the greenhouse.
	Honeylocust Spider Mite	OR 3-6 oz. per acre	
Established Ornamental Landscape Plantings	Pacific Spider Mite	applied concentrate	When using high-volume dilute sprays, do not exceed the maximum per acre rate. For concentrate equipment, use the recommended rate per acre. This product may be used in the greenhouse.
	Southern Red Mite	OR	
	Spruce Spider Mite	0.07-0.14 oz. per 1000 square feet	
	Strawberry Spider Mite	1000	
	Twospotted Spider Mite, Willamette Mite		

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

**Restrictions:**

- Do not use FlyAce 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) 783-8344 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) 783-8344.

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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		
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. <u>This product may be used in the greenhouse.</u> <u>Note: If used on orchids, apply prior to bloom formation.</u>	
	Spider Mite.	per 100 gals.		
	European Red Mite.	applied dilute		
	Honeylocust	OR		
	t Spider Mite.	3 - 6 oz. per acre		
	Pacific Spider Mite.	applied concent		
	Southern Red Mite.	rate		
	Spruce Spider Mite.	OR		
	Strawberry Spider Mite.	0.07-0.14 oz. per		
	Twospotted Spider Mite.	1000 square feet		
	Willamette Mite			
	Restrictions:			
	<ul style="list-style-type: none"> <li>Do not use Plyac® or household detergents in tank-mix combinations with Hexygon.</li> <li>Do not graze or feed livestock on cover crops growing in treated areas</li> <li>Do not use on crops used for feed or forage.</li> <li>Do not use water from treated areas for irrigating other crops.</li> </ul>			

Greenhouses?

