

PM 03

10/03-208

C 10/17/98

1/2

OCT 19 1998

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

Subject: Savey® Ovicide/Miticide 50-DP
EPA Registration No. 10163-208
Amendment dated July 12, 1998
Correction of Agency letter 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. Because the last three pages of this label which contain the commercial uses were not included in our label review of the product referred to above, our letter to you dated October 7, 1998 is incomplete. This letter replaces the letter dated October 7, 1998. I sincerely apologize for any inconvenience this error has caused you and your company.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable provided that you:

1. Make the following changes to your label:

- a. After the product name "Savey", change "Recommended For Agricultural Use" to "For Agricultural Use Only."
- b. After the product name "Hexygon", change the sentence "Recommended For Commercial Use" to "For Commercial Use Only."
- c. Delete the following sentence "This product may be used in the greenhouse." from the directions for use on ornamentals, etc., and from the supplemental labeling on orchids. The proposed use of this product 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.

2/8

2

2. Submit two copies of your final printed labeling before you release the product for shipment.

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.

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

Sincerely yours,



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

Enclosure

Savey[®] Ovicide/Miticide

50-WP

-RECOMMENDED FOR AGRICULTURAL USE ONLY

ACTIVE INGREDIENT: Hexythiazox

trans-5-(4-Chlorophenyl)-N-cyclohexyl-4-methyl-2-oxothiazolidine-3-carboxamide

OTHER INGREDIENTS

% By Wt.

50%

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 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

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

Savey 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, Savey controls newly deposited mite eggs and eggs which are laid after application. Savey is also highly effective in controlling immature mite 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. Savey 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 17 1998

EPA Reg. No. 10163-208
EPA Est. No. 065387-AR-002

Gowan

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 10182-208

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

DIRECTIONS

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 Savey only once per year. To reduce the potential for developing mite resistance, do not apply a miticide with a similar mode of action more than once per year (Savey and Apollo® should not be applied to the same crop in any one year). If additional miticide applications are needed, use a product with a different mode of action, such as a contact adulticide. Read and follow product label before applying any miticide.

Proper Mixing: Fill tank 1/2 full with water and with agitator running add proper amount of Savey. Finish by adding the required volume of water. Continuous agitation is required to keep the product in suspension.

Compatibility: Savey is compatible with most agricultural chemicals. However, all possible combinations have not been evaluated. Before full-scale mixing of Savey with other products, test mix small proportionate quantities of each to ensure compatibility.

Spray Volume: Ground Application: Use sufficient water to obtain thorough, uniform coverage. Apply using ground equipment only unless otherwise specified under the crop comments.

Important: Savey is a 50% wettable powder to be diluted with water for application in commercial plantings only. Do not use in home plantings.

Apply Savey prior to adult mite build up. Savey will not control adult spider mites. Use higher rates on moderate to high mite infestations or for larger trees. If adult mites are present in medium to high populations, better results may be obtained using Savey in combination with a registered contact adulticide. The use of less than label rates is not recommended with Savey.

Do not make more than one application of Savey per year.

PREHARVEST INTERVAL

The required days between the last application and harvest are given in () after each crop name.

APPLICATION DIRECTIONS

CROP	PEST	RATE OZS./ ACRE	COMMENTS
APPLES	European Red Mite	3 OK ✓	Savey may be applied anytime after harvest up to pink stage of flower bud development the following season. Best results will be obtained by delaying application until the pink bud stage. (For air applications, use recommended per acre rate, and apply a minimum of 2 gallons finished spray per acre.) • Do not apply more than 3 ozs. of formulated product per acre in one growing season. • Do not make more than one application per year.
PEARS (28)	European Red Mite, Twospotted Spider Mite, McDaniel Spider Mite	3-6	For best results, apply at first sign of mites before adult forms have colonized foliage. Use higher range of labeled rates (4-6 oz./acre) for moderate to heavy mite pressure, for D'Anjou or Bosc varieties, for large trees with dense leaf canopies, or when extended residual activity is desired. If adult mites are present and building, consider combinations of Savey with a registered contact adulticide. The lowest rate of Savey may be used in conjunction with other IPM strategies, or for shorter residual control later in the season. (For air applications, use recommended per acre rate, and apply a minimum of 2 gallons finished spray per acre.) • Do not apply more than a total of 6 ozs. formulated product per acre in one growing season. • Do not make more than one application per year.
CHRISTMAS TREES, CHRISTMAS TREE PLANTA- TIONS	Pacific Spider Mite, Spruce Spider Mite, Twospotted Spider Mite	3 - 6 : : : : : : : : : : : :	Time applications for periods of peak egg laying or immature mite activity. (For air applications, use recommended per acre rate, and apply a minimum of 2 gallons finished spray per acre.) • Do not make more than one application per year.

CROP	PEST	RATE OZSJ ACRE	COMMENTS
NON-BEARING TREE FRUITS and NUTS, CITRUS, and VINES (FIELD GROWN AND NURSERY)	Citrus Red Mite, European Red Mite, Twospotted Spider Mite, McDaniel Spider Mite, Pacific Spider Mite, Sixspotted Mite, Texas Citrus Mite	3-6	Apply Savey at first sign of egg deposition prior to adult mite build up. If adult mites are present and building, consider combinations of Savey with a registered contact adulticide. Savey may be tank mixed with horticultural grade oil. Refer to all precautions regarding phytotoxicity on the oil label. Apply on non-bearing crops only. (For air applications, use recommended per acre rate, and apply a minimum of 2 gallons finished spray per acre.)
<ul style="list-style-type: none"> Do not make more than one application per year. Do not apply more than 6 oz. per year. 			

RESTRICTIONS ON ALL CROPS

- Do not graze or feed livestock on cover crops growing in treated areas.
- Do not use water from treated orchards for irrigating other crops.

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 use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials.

Savey is a registered trademark of Nippon Soda Company, Ltd.

Apollo is a registered trademark of AgrEvo USA Company.



Ovicide / Miticide
Hexygon

Alt. brand name

RECOMMENDED FOR COMMERCIAL USE ONLY

ACTIVE INGREDIENT: Hexythiazox

trans-5-(4-Chlorophenyl)-N-cyclohexyl-4-methyl-2-oxothiazolidine-3-carboxamide

OTHER INGREDIENTS

% By Wt.

50%

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 1-800-228-6635 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. 10163-208
EPA Est. No. 065387-AR-002

Gowan

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.

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 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. 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

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.

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	OR	
Established Ornamental Landscape Plantings	Spider Mite, Pacific	3-6 oz. per acre	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, Southern	applied concentrate	
	Red Mite,	OR	
	Spruce	0.07-0.14	
	Spider Mite, Strawberry	oz per 1000	
	Spider Mite, Twospotted	square feet	
	Spider Mite, Willamette		
	Mite		

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

Restrictions:

- Do not use Phycos® 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.

Hexygon Ovicide/Miticide is a trademark of Gowan Company.

8/8

**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. This product may be used in the greenhouse. NOTE: If used on orchids, apply prior to bloom formation.
	Spider Mite,	per 100	
	European	gals.	
	Red	applied	
	Mite,	dilute	
	Moneylocust	OR	
	Spider Mite,	3-6 oz	
	Pacific	per acre	
	Spider Mite,	applied	
	Southern	concent	
	Red Mite,	rate	
	Spruce	OR	
	Spider Mite,	0.07-	
	Strawberry	0.14 oz	
	Spider Mite,	per	
	Twospotted	1000	
	Spider Mite,	square	
	Willamette	feet	
	Mite		
Restrictions:			
<ul style="list-style-type: none"> Do not use Pylac® 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. 			

delete