



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

November 14, 2024

Edward Hearn
Regulatory Expert, Label Specialist
Syntech Regulatory
7217 Lancaster Pike, Suite A
Hockessin, DE 19707

Subject: Label Amendment - Registration Review Mitigation for Bifenazate
Product Name: Willowood Bifenazate 50WDG
EPA Registration Number: 87290-66
Application Date: September 27, 2023
Decision Number: 594671
Case Number: 605613

Dear Edward Hearn:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the bifenazate Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Concepción Rodríguez by phone at 202-566-0820, or via email at rodriguez.concepcion@epa.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Linda Arrington', with a stylized flourish at the end.

Linda Arrington, Branch Chief
Risk Management and Implementation Branch 4
Pesticide Re-Evaluation Division
Office of Pesticide Programs

ENCLOSURE: Stamped label

[MASTER LABEL]

BIFENAZATE	GROUP	20D	ACARICIDE
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{BOOKLET FRONT PANEL LANGUAGE}

Willowood Bifenazate 50WDG

For Agricultural Use Only

ACTIVE INGREDIENT:	(% by weight)
Bifenazate: hydrazine carboxylic acid, 2-(4-methoxy-[1,1'-biphenyl]-3-yl)-, 1-methylethyl ester	50%
OTHER INGREDIENTS	50%
TOTAL	100%

Contains 0.50 pounds active ingredient bifenazate per pound of product.

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
If in eyes:	<ul style="list-style-type: none">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.Call a poison control center or doctor for treatment advice.
If on skin:	<ul style="list-style-type: none">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.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For general information on product use, etc., call the National Pesticides Information Center (NPIC) at 1-800-858-7378 Mon. - Fri. 8:00 am to 12:00 pm Pacific Time. For emergencies, call the poison control center at 1-800-222-1222 .	

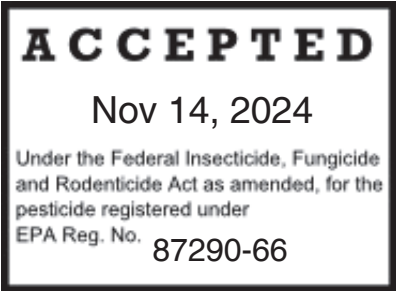
[See label booklet for [additional] [complete] [First Aid,] [Precautionary Statements,] Directions for Use[,] [and] [Storage and Disposal] [,] [and] [Conditions of Sales and Warranty].]

EPA Reg. No.: 87290-66

EPA Est. No.:

Manufactured for:
Generic Crop Science, LLC
1887 Whitney Mesa Drive #9740
Henderson, NV 89014

Net Weight:



{LANGUAGE INSIDE BOOKLET}

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Causes moderate eye irritation. Harmful if absorbed through the skin. Avoid contact with skin, eyes, or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Protective eyewear
- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves made of barrier laminate, polyethylene, butyl rubber (≥ 14 mils), nitrile rubber (≥ 14 mils), neoprene rubber (≥ 14 mils), natural rubber (≥ 14 mils), polyvinyl chloride (≥ 14 mils), or viton (≥ 14 mils).

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, 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/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing them. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds, estuarine/marine invertebrates and fish. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate. This product is moderately toxic to bees and other pollinating insects exposed to direct treatment or to residues in/on blooming crops or weeds. Protect pollinating insects by following label directions intended to minimize drift and to reduce pesticide risk to these organisms. Do not apply this product while bees are foraging the treatment area.

PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow to come into contact with oxidizing agents. Hazardous chemical reaction may occur.

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 (WPS), 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), notification to workers, and Restricted-Entry Interval (REI). 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.

Exceptions are listed under the USE INSTRUCTIONS associated with each crop. Notify workers of the exception (including when

entry is permitted for each of the tasks named in the exception).

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:

- Coveralls
- Shoes plus socks
- Chemical-resistant gloves made of barrier laminate, polyethylene, butyl rubber (≥ 14 mils), nitrile rubber (≥ 14 mils), neoprene rubber (≥ 14 mils), natural rubber (≥ 14 mils), polyvinyl chloride (≥ 14 mils), or viton (≥ 14 mils).

PRODUCT USE INFORMATION

Willowood Bifenazate 50WDG is a selective miticide which controls a variety of mites in the crops specified on this label. It provides knockdown through contact activity, and long residual control when used as directed and applied to foliage.

Willowood Bifenazate 50WDG is relatively inactive against beneficial, predaceous mites and insects because of its selectivity, carbazate chemistry, and mode of action. It is compatible with IPM and resistance management programs.

Because Willowood Bifenazate 50WDG is not systemic in action, thorough coverage of both the upper and lower leaf surfaces and fruit is required for effective control.

MANDATORY SPRAY DRIFT MANAGEMENT

Aerial Applications:

- Do not release spray at a height greater than 10 feet above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to use fine or coarser droplet size (ANSI/ASABE S641).
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use 1/2 swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

Ground Boom Applications:

- Apply with the nozzle height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to use Fine or coarser droplet size (ANSI/ASABE S572.3).
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.

BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size - Ground Boom

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size - Aircraft

- Adjust Nozzles - Follow nozzle manufacturers recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

BOOM HEIGHT - Ground Boom

Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT - Aircraft

Higher release heights increase the potential for spray drift. When applying aerially to crops, do not release spray at a height greater than 10 ft above the crop canopy, unless a greater application height is necessary for pilot safety.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

MIXING INSTRUCTIONS

Fill spray tank with ½ the desired amount of water. With agitation running, add the required amount of Willowood Bifenazate 50WDG until product is fully dispersed. Follow with wettable powders, dry flowables, liquid flowables, liquids and emulsifiable concentrates, and then surfactants. Then fill the tank with the remaining amount of required water.

As with other pesticide products, Willowood Bifenazate 50WDG stability can be affected by high pH and high temperature. Spray mixtures containing Willowood Bifenazate 50WDG should be maintained within a range of pH 5.5 to 6.5.

Tank mixtures are only permitted in States where all of pesticide products used as tank-mix partners are registered. It is the pesticide user's responsibility to ensure that all pesticide products used in the tank mix are registered for the intended use. When tank-mixing, follow the most restrictive of all of the labeled use directions, use restrictions, and use limitations for the tank-mix partners.

Compatibility: Willowood Bifenazate 50WDG can be tank-mixed with other insecticide products to achieve broad-spectrum insect control. Users must conduct small-scale trials under local conditions to ensure compatibility prior to any large-scale use because of differences in water quality (i.e., hardness and pH).

PRODUCT USE RATES AND DIRECTIONS

Refer to the USE INSTRUCTIONS BEARING CROPS table for application rates, application number, and pre-harvest interval (PHI) for labeled crops.

For ground application:

Refer to the USE INSTRUCTIONS tables for minimum numbers of gallons of spray solution to apply per acre using the following types of equipment: compressed air, hydraulic ground boom or air-blast sprayers.

For aerial application:

Refer to the USE INSTRUCTIONS table for minimum numbers of gallons of spray solution to apply per acre (or the minimum gallons/acre allowed by your State, which may not be less than the minimum gallons/acre shown on this label) using either a fixed-wing aircraft or helicopter. Always use an adequate spray volume to ensure complete coverage of the crop canopy.

For chemigation application:

Refer to the instructions for CHEMIGATION USE PRECAUTIONS AND INSTRUCTIONS FOR CRANBERRY AND MINT. Refer to the USE INSTRUCTIONS BEARING CROPS table for the ranges in application rates permitted for these crops. Only one application may be made per year. Sprinkler systems must be operated at 80 to 100% during treatment application to apply the minimum amount of water possible.

Application must be made as soon as mites appear for maximum residual control. When mite infestations are light, use the lowest rate specified. For heavier mite infestations or for extended residual control, the highest specified rate may be required.

Willowood Bifenazate 50WDG is effective control for a variety of mite species, especially spider mites, red mites and grass mites when used as directed. It is NOT effective against rust mites, broad mites and flat mites. Willowood Bifenazate 50WDG is primarily active on the motile stage of mites, but also has ovicidal activity against spider mites (*Tetranychus* species).

Restrictions:

- Do not tank-mix oil with Willowood Bifenazate 50WDG when applying to Golden Delicious apples.
- Rotational Crops: Willowood Bifenazate 50WDG has a plantback restriction of 30 days. Do not plant another crop within 30 days after last application of Willowood Bifenazate 50WDG due to chances of bifenazate residues showing up in rotational crops.
- Do not exceed the maximum amount of bifenazate allowed per crop per year, regardless of the bifenazate-containing product(s) used.
- Human flagging is prohibited. Flagging to support aerial application is limited to use of the Global Positioning System (GPS) or mechanical flaggers.

MITES CONTROLLED

Avocado red spider	Pecan leaf scorch
Banks grass	Persea
Brown almond	Six-spotted
Citrus red	Southern red mite
Clover	Spruce spider mite
European red (use maximum rate specified for the crop or crop group)	Strawberry spider
McDaniel	Two-spotted spider
Pacific spider	Willamette

USE INSTRUCTIONS

BEARING CROPS

CROP	AMOUNT OF PRODUCT PER ACRE*	MINIMUM GALLONS PER ACRE		CHEMIGATION ACRE INCHES OF WATER	TOTAL NUMBER OF SPRAYS PER YEAR	MINIMUM DAYS BETWEEN APPLICATIONS ***	HARVEST DAYS AFTER APPLICATION (PHI Days)
		Ground	Air**				
AVOCADO	0.75 – 1.0 lb. (0.375-0.50 lb. ai/A)	50	--	--	2 (maximum) 1.0 lb. ai/A)	21	7
CANEBERRY (within Crop Sub-Group 13- 07A) Blackberry Loganberry Raspberry (red, black, wild) And cultivars and/or hybrids of these	0.75 – 1.0 lb. (0.375- .050 lb. ai/A)	50	--	--	2 (maximum 1.0 lb. ai/A)	30	1

CUCURBIT (within Crop Group 9) Chayote (fruit) Chinese waxgourd Citrus melon Cucumber Gherkin Gourd (edible) Balsam apple Balsam pear Bitter melon Chinese cucumber Muskmelon (<i>Mormordica</i> spp.) (hybrids and/or cultivars of <i>Cucumis melo</i> including cantaloupe, true cantaloupe, casaba, crenshaw, golden pershaw, honeydew, honey ball melon, mango, Persian, pineapple, Santa Claus melon, snake melon) Pumpkin Squash (summer and winter, includes crookneck, scallop, straight neck, vegetable marrow, zucchini, butternut, Calabaza, hubbard squash, acorn squash, and spaghetti squash) Watermelon	0.75 – 1.0 lb. (0.375-0.50 lb. ai/A)	50	10	--	1 (maximum 0.50 lb. ai/A)	--	3
FRUITING VEGETABLES (within Crop Group 8-10) Eggplant (including African, pea, scarlet) Cocona Garden huckleberry Goji berry Groundcherry Martynia Naranjilla Okra Pepino Pepper (bell, non-bell, chili, cooking, hot, pimento, sweet) Roselle Sunberry Tomato (including bush, currant, tree) Tomatillo And cultivars, varieties and/or hybrids of these	0.75 – 1.0 lb. (0.375-0.50 lb. ai/A)	50	10	--	1 (maximum 0.50 lb. ai/A)	--	3
GRAPES AND OTHER CLIMBING VINE SMALL FRUIT (EXCEPT FUZZY KIWIFRUIT)**** (within Crop Sub-Group 13-07F) Amur river grape Gooseberry Kiwifruit (hardy) Maypop Schisandra berry And cultivars, varieties and/or hybrids of these	0.75 – 1.0 lb. (0.375-0.50 lb. ai/A)	50	--	--	1 (maximum 0.50 lb. ai/A)	--	14
HOPS	0.75 – 1.5 lb. (0.375-0.75 lb. ai/A)	50	--	--	1 (maximum 0.75 lb. ai/A)	--	14

EDIBLE PODDED LEGUME VEGETABLES (within Crop Sub-Group 6A) and SUCCULENT shelled PEAS and BEANS (within Crop Sub- Group 6B) Bean (<i>Lupinus</i> spp.) (includes grain lupin, sweet lupin, white lupin, white sweet lupin) Bean (<i>Phaseolus</i> spp.) (includes field, kidney, navy, pinto, runner, snap, tepary, wax, lima (green)) Bean (<i>Vigna</i> spp.) (includes adzuki, asparagus bean, broadbean (fava), catjang, chickpea (garbanzo), Chinese longbean, cowpea, guar, jack, lablab, lentil, moth, mung, rice, yardlong, blackeyed pea, Southern pea) Jackbean Broadbean (succulent) Pea (<i>Pisum</i> spp.) (including dwarf, edible-pod, snowpea, sugar snap, field, English, garden, green) Soybean (immature seed) Sword Bean Pigeon Pea	1.0 – 1.5 lbs. (0.50 – 0.75 lb. ai/A)	20	10	--	2 (maximum 1.50 lbs. ai/A)	14	3
MINT	0.75 – 1.5 lbs. (0.375-0.75 lb. ai/A)	50	10	0.1-0.2 See separate Chemigation Use Precautions and Instructions	1 (0.75 lb. ai/A)	--	7
POME FRUITS: (within Crop Group 11-10) Apple Azarole Crabapple Medlar Pear (including Asian, Oriental) Quince (including Chinese, Japanese) Tejocote And cultivars, varieties and/or hybrids of these	0.75 – 1.0 lb. (0.375-0.50 lb. ai/A)	50	--	--	1 (0.50 lb. ai/A)	--	7
STRAWBERRY AND OTHER LOW GROWING BERRIES (within Crop Sub-Group 13- 07G): Bearberry Billberry Lowbush blueberry Cloudberry Cranberry Lingonberry Muntries Partridgeberry And Cultivars, varieties and/or hybrids of these	0.75 – 1.0 lb. (0.375 – 0.50 lb. ai/A)	100	--	0.1 – 0.2 See separate Chemigation Use Precautions and Instructions	2 (For strawberry only, see footnote 1)	21	1
STONE FRUIT: Apricot Cherry (sweet, tart) Nectarine Peach Plum (Chickasaw, damson, Japanese) Plumcot Prune (fresh)	0.75 – 1.0 lb. (0.375 – 0.50 lb. ai/A)	50	--	--	1 (maximum 0.50 lb. ai/A)	--	3
TREE NUTS: (within Crop Group 14) (including Pistachio) Almond Beech nut Brazil nut Butternut Cashew	0.75 – 1.5 lbs. (0.375 – 0.75 lb. ai/A)	50	--	--	1 (maximum 0.75 lb. ai/A)	--	7

Chestnut							14
Chinquapin							
Hickory nut							
Macadamia (bush nut)							
Filbert (hazelnut)							
Pecans							
Pistachios							14
Walnut (black and English (Persian))							
TROPICAL FRUIT:	0.75 – 1.0 lb. (0.375 – 0.50 lb. ai/A)	50	--	--	2 (maximum 1.0 lb. ai/A)	21	1
Papaya							
Star Apple							
Black Sapote							
Mango							
Sapodilla							
Canistel							
Mamey Sapote							
Lychee							
Longan							
Spanish Lime							
Rambutan							
Pulasan							
Guava							
Feijoa							
Jaboticaba							
Wax Jambu							
Starfruit (Carambola)							
Passionfruit							
Acerola,							
Sugar Apple							
Cherimoya							
Atemoya							
Custard							
Apple							
Ilama							
Soursop							
Biriba							

*Use the highest specified rate under heavier mite pressure.

**Minimum gallonage per acre permitted by state, but not less than lowest range shown.

***Use a miticide with a different mode of action between any two (2) applications of Willowood Bifenazate 50WDG.

****The REI is 5 days for cane turning, tying and girdling of table grapes.

¹For strawberry, 2 sprays per crop cycle with up to two cycles per year are permitted. For other crops in this subgroup, no more than 2 applications per year are permitted.

CROP	AMOUNT OF WILLOWOOD BIFENAZATE 50WDG PER ACRE	TOTAL GALLONS PER ACRE		TOTAL NUMBER OF SPRAYS PER YEAR	HARVEST DAYS AFTER APPLICATION (PHI Days)
		GROUND	AIR		
HERBS (within Crop Sub-Group 19A (except chives, chervil) angelica, balm, basil (fresh, dried), borage, burnet, chamomile, catnip, clary, coriander (leaf), costmary, cilantro (leaf), curry (leaf), dillweed, horehound, hyssop, lavender, lemongrass, lovage (leaf), marigold, majoram, nasturtium, parsley (dried), pennyroyal, rosemary, rue, sage, savory (summer and winter), sweet bay, tansy, tarragon, thyme, wintergreen, woodruff, and wormwood	0.75 – 1.0 lb. (0.375-0.50 lb. ai/A)	50	--	1 (maximum) 0.50 lb. ai/A)	3

NON-BEARING CROPS DOSAGE INSTRUCTIONS

Willowood Bifenazate 50WDG use on non-bearing crops (i.e., those crops which will not bear fruit within one year of application) includes all the crops listed in the bearing crops dosage instructions plus crops listed in the table below.

Fruit trees and berries in both commercial plantings and nurseries, which includes transplant uses but excludes residential areas.

All listed non-bearing crops have a 12-hour restricted entry interval (REI). Application is by ground equipment only.

Additional non-bearing crops that may be treated are:

CROP	MITES CONTROLLED	AMOUNT OF WILLOWOOD BIFENAZATE 50WDG PER ACRE	MINIMUM GALLONS SPRAY SOLUTION PER ACRE	TOTAL NUMBER OF SPRAYS PER YEAR
Berries (blueberry, highbush; elderberry; huckleberry) Citrus (grapefruit, lemons, limes, oranges, tangerines, etc.) Currants Dates Figs Persimmons	Banks grass Brown almond Citrus red Clover European red (use 0.50 lb. ai/A) McDaniel Pacific spider Pecan leaf scorch Strawberry spider Southern red mite Spruce spider mite Two-spotted spider Willamette	0.75 – 1.0 lb. (0.375-0.50 lb. ai/A)	50	1 (maximum 0.50 lb. ai/A)

CHEMIGATION USE PRECAUTIONS AND INSTRUCTIONS FOR CRANBERRY AND MINT

Apply this product only through sprinkler systems, including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make the necessary adjustments should the need arise.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water

pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Constant agitation must be maintained in the chemical supply tank during the entire period of miticide application.

Inject the product with a positive displacement pump into the main line ahead of a right angle turn, to ensure adequate mixing.

Application of more than label recommended quantities of irrigation water per acre may result in decreased product performance by removing the chemical from the zone of effectiveness.

Do not apply when system connections or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product must be dismantled and drained.

Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of more dilute mixture per hour. Pesticide should be applied continuously for the duration of the water addition.

Where sprinkler irrigation patterns do not overlap sufficiently, unacceptable mite control may result.

Where sprinkler distribution patterns overlap excessively crop injury may result.

Check with state lead agencies for state specific chemigation requirements.

RESISTANCE MANAGEMENT

For resistance management, Willowood Bifenazate 50WDG contains a Group 20D acaricide. Any insect/mite population may contain individuals naturally resistant to Willowood Bifenazate 50WDG and other Group 20D acaricides. The resistant individuals may dominate the insect/mite population if this group of acaricides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide/acaricide resistance, take the following steps:

- Rotate the use of Willowood Bifenazate 50WDG or other Group 20D acaricides within a growing season, or among growing seasons, with different groups that control the same pests. Avoid application of more than 1.5 lbs and consecutive sprays of Willowood Bifenazate 50WDG or other insecticides in the same group in a season.
- Use tank mixtures with insecticides/acaricides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
 - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
 - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
 - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
 - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
 - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide/acaricides use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.

- Because of its selectivity, Willowood Bifenazate 50WDG can be used in conjunction with most biological control organisms available for mite control. Willowood Bifenazate 50WDG, when used as directed, does not adversely affect populations of beneficial/predaceous mites and insects including:

Common Name	Scientific Name
Predatory mite	<i>Amblyseius fallacis</i>
Predatory mite	<i>Phytoseiulus persimilis</i>
Western predatory mite	<i>Typhlodromus occidentalis</i>
Predatory mite	<i>Typhlodromus pyri</i>
Predatory mite	<i>Zetzellia mali</i>
Sevenspotted lady beetle	<i>Coccinella septempunctata</i>
Spider mite destroyer	<i>Stethorus punctum</i>
Common lacewing	<i>Chrysopa carnea</i>
Insidious flower bug	<i>Orius insidiosus</i>
Sixspotted thrips	<i>Scolothrips sexmaculatus</i>
Western flower thrips	<i>Frankliniella occidentalis</i>

The use of these organisms in conjunction with Willowood Bifenazate 50WDG is encouraged as a means of reducing the number of chemical applications.

- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact your Generic Crop Science, LLC representative.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in a dry location.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment, then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration.

CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Generic Crop Science, LLC or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Generic Crop Science, LLC and Seller harmless for any claims relating to such factors.

Generic Crop Science, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Generic Crop Science, LLC, and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, GENERIC CROP SCIENCE, LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, neither Generic Crop Science, LLC nor Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF GENERIC CROP SCIENCE, LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF GENERIC CROP SCIENCE, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

Generic Crop Science, LLC and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Generic Crop Science, LLC.

EPA APPROVAL DATE

{LANGUAGE ON LABEL AFFIXED TO CONTAINER}

BIFENAZATE	GROUP	20D	ACARICIDE
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Willowood Bifenazate 50WDG

For Agricultural Use Only

ACTIVE INGREDIENT: (% by weight)

Bifenazate: hydrazine carboxylic acid,
2-(4-methoxy-[1,1'-biphenyl]-3-yl)-,
1-methylethyl
ester 5
0%

OTHER**INGREDIENTS** 5

0%

TOTAL 10

0%

Contains 0.50 pounds active ingredient bifenazate per
pound of product.

KEEP OUT OF REACH OF CHILDREN**CAUTION**

FIRST AID	
If in eyes:	<ul style="list-style-type: none"> • 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. • Call a poison control center or doctor for treatment advice.
If on skin:	<ul style="list-style-type: none"> • 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.
HOT LINE NUMBER	
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. For general information on product use, etc., call the National Pesticides Information Center (NPIC) at 1-800-858-7378 Mon. - Fri. 8:00 am to 12:00 pm Pacific Time. For emergencies, call the poison control center at 1-800-222-1222.</p>	

PRECAUTIONARY STATEMENTS**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Causes moderate eye irritation. Harmful if absorbed through the skin. Avoid contact with skin, eyes, or clothing.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or

disposal.

PESTICIDE STORAGE: Store in a dry location.**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment, then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration.**See label booklet for additional Precautionary Statements and Directions for Use.****EPA Reg. No.:** 87290-66**EPA Est. No.:**

Manufactured for:

Generic Crop Science, LLC
1887 Whitney Mesa Drive #9740
Henderson, NV 89014

Net Weight:**Batch No.:**