

# Willowood BIFENAZATE 4SC

GROUP

20D

ACARICIDE

Agricultural Miticide  
For Agricultural Use Only

**ACTIVE INGREDIENT:**

Bifenazate: hydrazine carboxylic acid, 2-(4-methoxy-[1,1'-biphenyl]-3-yl)-1-methylethyl ester ..... 43.2%

**OTHER INGREDIENTS:** ..... 56.8%

**TOTAL:** ..... 100.0%

Contains 4 lbs. active ingredient bifenazate per gallon.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

## FIRST AID

**If in eyes:**

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

**If on skin:**

- 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 Precautionary Statements and Directions For Use.**

EPA Reg. No. 87290-71

EPA Est. No. 39578-TX-001

**Manufactured For:**

Willowood, LLC

1887 Whitney Mesa Drive #9740

Henderson, NV 89014

20180806

**NET CONTENTS: 2.5 gallons**

# **PRECAUTIONARY STATEMENTS**

## **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

### **CAUTION**

Causes moderate eye irritation. Avoid contact with eyes, skin or clothing.

#### **PERSONAL PROTECTIVE EQUIPMENT (PPE):**

##### **Applicators and Other Handlers Must Wear:**

- Long-sleeved shirt and long pants;
- Shoes plus socks, and
- For mixing and loading activities when not using a closed system, wear an apron and chemical-resistant gloves made of barrier laminate, polyethylene, butyl rubber ( $\geq 14$  mils), nitrile rubber ( $\geq 14$  mils), neoprene rubber ( $\geq 14$  mils), natural rubber ( $\geq 14$  mils), polyvinyl chloride ( $\geq 14$  mils), or Viton ( $\geq 14$  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 insides. 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 clothing.

#### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to birds, aquatic 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 residues on blooming crops or weeds. Do not apply this product if bees or other pollinating insects are visiting the treatment area.

#### **PHYSICAL OR CHEMICAL HAZARDS**

Do not store with, use near, mix, or allow to come in contact with oxidizing agents. Hazardous chemical reactions 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, 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. 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 for each crop.]

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 ( $\geq 14$  mils), nitrile rubber ( $\geq 14$  mils), neoprene rubber ( $\geq 14$  mils), natural rubber ( $\geq 14$  mils), polyvinyl chloride ( $\geq 14$  mils), or Viton ( $\geq 14$  mils)

## USE INFORMATION

Willowood Bifenazate 4SC is a suspension concentrate (flowable). It is a selective miticide for the control of a variety of mite pests on the crops listed on this label. When used as directed and applied to the foliage, it provides knockdown through contact activity, and long residual control. Due to its carbazate chemistry, mode of action and selective nature, Willowood Bifenazate 4SC is nearly inactive against beneficial/predaceous mites and insects and therefore is compatible with IPM and resistance management programs.

Willowood Bifenazate 4SC is not systemic in action; therefore complete coverage of both upper and lower leaf surfaces is necessary for effective control.

## SHAKE WELL BEFORE USING

## MIXING INSTRUCTIONS

Fill spray tank with  $\frac{1}{2}$  the desired amount of water. Then add the required amount of Willowood Bifenazate 4SC with agitation running to fully disperse the product. Then fill the tank with the remaining amount of required water.

Like many pesticides, Willowood Bifenazate 4SC stability can be impacted by high pH and high temperature. For optimum performance, maintain spray mixtures containing Willowood Bifenazate 4SC within a range of pH 5.5 to 6.5.

**Restrictions:** Tank mixtures are permitted only in those states where the tank mix portion is 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. Read and follow the applicable restrictions, limitations, and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive Directions for Use and precautionary statements of each product in the tank mixture.

**Compatibility:** To obtain broad spectrum insect control, Willowood Bifenazate 4SC can be tank-mixed with other insecticide products. However, due to variations in water quality, e.g., hardness and pH, it is required that users conduct small scale trials under local conditions to ensure compatibility prior to any large scale use.

## USE RATES AND INSTRUCTIONS

Refer to **USE INSTRUCTIONS** table for application rates, application number, and PHI for labeled crops.

**For ground application**, also refer to **USE INSTRUCTIONS** table for minimum gallons of spray solution per acre using equipment such as, but not limited to, compressed air, hydraulic ground boom or air-blast sprayers.

**For aerial application**, also refer to **USE INSTRUCTIONS** table for minimum gallons of spray solution per acre (or the minimum permitted by your state, but not less than shown) using either a fixed-wing aircraft or helicopter. Always use a spray volume adequate to assure complete coverage of the crop canopy.

**For chemigation application**, refer to **CHEMIGATION USE PRECAUTIONS FOR MINT AND POTATOES** section; **USE INSTRUCTIONS** table exhibits application rate range. Only one application may be made per calendar year. Sprinkler systems must be operated at 80 to 100% during treatment application to apply the minimum amount of water possible.

To provide maximum residual control, make application as soon as mites appear. Use the lower rate where mite infestations are light. The higher rate may be required for heavy infestations or for extended residual control.

When used as directed, Willowood Bifenazate 4SC is effective for the control of a variety of mites species, especially spider mites, red mites and grass mites. **IMPORTANT:** It is not effective against rust mites, broad mites and flat mites. Willowood Bifenazate 4SC is primarily active on the motile stage of mites, but also has ovicidal activity against spider mites (*Tetranychus* species).

### Restrictions:

- Rotational Crops – This product has a plantback restriction of 30 days. Do not plant another crop within 30 days after last Willowood Bifenazate 4SC application due to chances of bifenazate residues showing up in rotational crops.
- Do not exceed the maximum amount of bifenazate allowed per crop per calendar year, regardless of the bifenazate-containing product(s) used.
- Do not tank mix oil with Willowood Bifenazate 4SC when applying to Golden Delicious apples.

**MITES CONTROLLED**

Avocado Red Spider	Clover	Pecan leaf scorch	Spruce spider mite
Banks grass	European red (use maximum rate)	Persea	Strawberry spider
Brown almond	McDaniel	Sixspotted	Two-spotted spider
Citrus red	Pacific Spider	Southern red mite	Willamette

**BEARING CROPS  
USE INSTRUCTIONS**

CROP	AMOUNT WILLOWOOD BIFENAZATE 4SC PER ACRE* FL. OZ.	MINIMUM GALLONS PER ACRE		CHEMIGA- TION ACRE INCHES OF WATER	TOTAL NUMBER OF SPRAYS PER CALENDAR- YEAR	MINIMUM DAYS BETWEEN APPLICA- TIONS***	HARVEST DAYS AFTER APPLICA- TION (PHI DAYS)
		Ground	Air**				
<b>AVOCADO</b>	12 -16 (0.375- 0.50 lb ai/A)	50	--	--	2 (maximum 1.0 lb ai/A)	21	7
<b>CANEBERRY</b> (within Crop Subgroup 13-07A) Blackberry Loganberry Raspberry (red, black, wild) And cultivars and/or hybrids of these	12 -16 (0.375- 0.50 lb ai/A)	50	--	--	2 (maximum 1.0 lb ai/A)	30	1
<b>CHRISTMAS TREES/CON- FIER PLANTATIONS AND NURS- ERIES</b>	12 -16 (0.375- 0.50 lb ai/A)	100	10	--	1 (maximum 0.50 lb ai/A)	--	--
<b>COTTON</b>	16 – 24 (0.50-0.75 lb ai/A)	20	5	--	1 (maximum 0.75 lb ai/A)	--	60

(continued)

\*Use the highest specified rate under heavier mite pressure.

\*\*Minimum gallonage per acre permitted by state, but less than shown.

\*\*\*Use a miticide with a different mode-of-action between any two (2) applications of this product.

CROP	AMOUNT WILLOWOOD BIFENAZATE 4SC PER ACRE* FL. OZ.	MINIMUM GALLONS PER ACRE		CHEMIGA- TION ACRE INCHES OF WATER	TOTAL NUMBER OF SPRAYS PER CALENDAR- YEAR	MINIMUM DAYS BETWEEN APPLICA- TIONS***	HARVEST DAYS AFTER APPLICA- TION (PHI DAYS)
		Ground	Air**				
<b>CUCURBIT</b> (within Crop Group 9) Chayote (fruit), Chinese waxgourd, Citron melon, Cucumber, Gherkin, Gourd (edible), Balsam apple, Balsam pear, Bitter melon, Chinese cucumber, Muskmelon ( <i>Mor-mordica</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 Clause, snake), Pumpkin, Squash (summer and winter, includes crookneck, scallop, straight neck, vegetable marrow, zucchini, butternut, cala-baza, hubbard squash, acorn squash, and spaghetti squash), Watermelon	12 – 16 (0.375- 0.50 lb ai/A)	50	10	--	1  (maximum 0.50 lb ai/A)	--	3

(continued)

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CROP	AMOUNT WILLOWOOD BIFENAZATE 4SC PER ACRE* FL. OZ.	MINIMUM GALLONS PER ACRE		CHEMIGA- TION ACRE INCHES OF WATER	TOTAL NUMBER OF SPRAYS PER CALENDAR- YEAR	MINIMUM DAYS BETWEEN APPLICA- TIONS***	HARVEST DAYS AFTER APPLICA- TION (PHI DAYS)
		Ground	Air**				
<b>FRUITING VEGETABLES</b> (within Crop Group 8-10) Eggplant (including African, pea, scarlet), Cocona, Gar- den huckleberry, Goji berry, Groundcherry, Martynia, Nara- njilla, Okra, Pepino, Pepper (bell, non-bell, chili, cooking, hot, pimento, sweet), Roselle, Sunberry, Tomato (including bush, currant, tree), Tomatillo, & Cultivars, varieties and/or hybrids of these	12 – 16 (0.375- 0.50 lb ai/A)	50	10	--	1 (maximum 0.50 lb ai/A)	--	3
<b>GRAPES<sup>1</sup> AND OTHER CLIMBING VINE SMALL FRUIT (EXCEPT FUZZY KIWIFRUIT)</b> (within Crop Sub-Group 13-07F) Amur river grape, Gooseberry, Kiwifruit (hardy), Maypop, Schisandra berry, & Cultivars, varieties and/or hybrids of these	12 – 16 (0.375- 0.50 lb ai/A)	50	--	--	1 (maximum 0.50 lb ai/A)	--	14
<b>HOPS</b>	12 – 24 (0.375- 0.75 lb ai/A)	50	--	--	1 (maximum 0.75 lb ai/A)	--	14

(continued)

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<sup>1</sup>The REI is 5 days for cane turning, tying and girdling of table grapes. Exception: In addition to the early entry exceptions allowed by WPS, you may enter or allow workers to enter treated areas to perform tasks other than tying, turning and girdling after 12 hours following applications, as long as at least long pants, long-sleeved shirts, shoes and socks are worn. Notify workers of the exception (including when entry is permitted for each of the tasks named in the exception).



CROP	AMOUNT WILLOWOOD BIFENAZATE 4SC PER ACRE* FL. OZ.	MINIMUM GALLONS PER ACRE		CHEMIGA- TION ACRE INCHES OF WATER	TOTAL NUMBER OF SPRAYS PER CALENDAR- YEAR	MINIMUM DAYS BETWEEN APPLICA- TIONS***	HARVEST DAYS AFTER APPLICA- TION (PHI DAYS)
		Ground	Air**				
<b>LEGUME VEGETABLES with- in Crop Sub-Group 6A (suc- culent); SUCCULENT PEAS and BEANS within Crop Sub-Group 6B; SUCCULENT SHELLED SOYBEAN</b> Bean ( <i>Lupinus</i> spp.) (includes grain lupin, sweet lupin, white lupin, and white sweet lupin); Bean ( <i>Phaseolus</i> spp.) (includes field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, tepary bean, wax bean; Bean ( <i>Vigna</i> spp) (includes adzuki bean, as- paragus bean, blackeyed pea, catjang, Chinese longbean, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean, yard- long bean); broadbean (fava); jackbean; pea ( <i>Pisum</i> spp.) (in- cluding dwarf pea, edible-pod pea, English pea, field pea, garden pea, green pea, snow pea, sugar snap pea); pigeon pea; soybean (immature seed); sword bean	16 -24 (0.50-0.75 lb ai/A)	20	10	--	2  (maximum 1.50 lbs ai/A)	14	3

(continued)

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CROP	AMOUNT WILLOWOOD BIFENAZATE 4SC PER ACRE* FL. OZ.	MINIMUM GALLONS PER ACRE		CHEMIGA- TION ACRE INCHES OF WATER	TOTAL NUMBER OF SPRAYS PER CALENDAR- YEAR	MINIMUM DAYS BETWEEN APPLICA- TIONS***	HARVEST DAYS AFTER APPLICA- TION (PHI DAYS)
		Ground	Air**				
<b>MINT</b>	12 – 24 (0.375- 0.75 lb ai/A)	50	10	0.1 – 0.2 See separate Chemiga- tion Use Instruc- tions	1 (maximum 0.75 lb ai/A)	--	7
<b>POME FRUITS</b> (within Crop Group 11-10) Apple, Azarole, Crabapple, Medlar, Pear (in- cluding Asian, Oriental), Quince (including Chinese, Japanese), Tejocote, & Cultivars, varieties and/or hybrids of these	12 – 16 (0.375- 0.50 lb ai/A)	50	--	--	1 (maximum 0.50 lb ai/A)	--	7
<b>POTATOES TUBEROUS AND CORM VEGETABLES</b> Arracacha; arrowroot; arti- choke, Chinese; artichoke, Jerusalem; canna, edible; cas- sava, bitter and sweet; chayote (root); chufa; dasheen (taro); ginger; leren; potato; sweet potato; tanier; turmeric; yam bean, yam, true	16 – 24 (0.50-0.75 lb ai/A)	20	10	0.1 – 0.2 See separate Chemiga- tion Use Instruc- tions	2 (maximum 1.5 lbs ai/A)	14	14

(continued)

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CROP	AMOUNT WILLOWOOD BIFENAZATE 4SC PER ACRE* FL. OZ.	MINIMUM GALLONS PER ACRE		CHEMIGA- TION ACRE INCHES OF WATER	TOTAL NUMBER OF SPRAYS PER CALENDAR- YEAR	MINIMUM DAYS BETWEEN APPLICA- TIONS***	HARVEST DAYS AFTER APPLICA- TION (PHI DAYS)
		Ground	Air**				
<b>STRAWBERRY</b> Bearberry, Bilberry, Lowbush blueberry, Cloudberry, Cranberry, Lingonberry, Muntries, Partridgeberry, & Cultivars, varieties and/or hybrids of these	12 – 16 (0.375-0.50 lb ai/A)	100	--	0.1 – 0.2 See separate Chemiga-tion Use Instruc-tions for Cranber-ries	2 (See foot-note 2)  (maximum 1.0 lb ai/A)	21	1
<b>STONE FRUIT</b> Apricot, Cherry (sweet, tart), Nectarine, Peach, Plum (Chickasaw, damson, Japa-nese), Prune (fresh)	12 – 16 (0.375-0.50 lb ai/A)	50	--	--	1 (maximum 0.50 lb ai/A)	--	3
<b>TIMOTHY</b> forage and hay to be fed only to horses. Application can only be made in Eureka and Humboldt coun-ties in Nevada.	16 – 24 (0.50-0.75 lb ai/A)	20	10	0.1 – 0.2 See separate Chemiga-tion Use Instruc-tions	1 (maximum 0.75 lb ai/A)	--	Forage 0
							Hay 7
<b>TREE NUTS</b> Almond, Beech nut, Brazil nut, Butternut, Cashew, Chest-nut, Chinquapin, Hickory nut, Macadamia (bush nut)	12 – 24 (0.375-0.75 lb ai/A)	50	--	--	1 (maximum 0.75 lb ai/A)	--	7
Filbert (hazelnut), Pecans, Pistachios, Walnut (black and English (Persian))							14

(continued)

\*Use the highest specified rate under heavier mite pressure.

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\*\*\*Use a miticide with a different mode-of-action between any two (2) applications of this product.

<sup>2</sup>Strawberry (only): 2 Applications may be made per crop cycle, with up to 2 crop cycles per calendar year.

CROP	AMOUNT WILLOWOOD BIFENAZATE 4SC PER ACRE* FL. OZ.	MINIMUM GALLONS PER ACRE		CHEMIGA- TION ACRE INCHES OF WATER	TOTAL NUMBER OF SPRAYS PER CALENDAR- YEAR	MINIMUM DAYS BETWEEN APPLICA- TIONS***	HARVEST DAYS AFTER APPLICA- TION (PHI DAYS)
		Ground	Air**				
<b>TROPICAL FRUIT</b> 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, Ilima, Soursap, Birida	12 – 16 (0.375- 0.50 lb ai/A)	50	--	--	2  (maximum 1.0 lb ai/A)	21	1

\*Use the highest specified rate under heavier mite pressure.

\*\*Minimum gallonage per acre permitted by state, but less than shown.

\*\*\*Use a miticide with a different mode-of-action between any two (2) applications of this product.

## NON-BEARING CROPS USE INSTRUCTIONS

Willowood Bifenazate 4SC use on non-bearing crops, i.e. those crops which will not bear fruit within one calendar year of application, **includes all the crops listed in the bearing crops use instructions plus crops listed below.** These include fruit trees and berries in both commercial plantings and nurseries, including transplant uses but excluding residential areas. **The listed non-bearing crops all have a 12-hour restricted entry interval (REI).** Application is by ground equipment only. Additional non-bearing crops that may be so treated are:

CROPS	MITES CONTROLLED	AMOUNT WILLOWOOD BIENAZATE 4SC PER ACRE	MINIMUM GALLONS SPRAY SOLUTION PER ACRE	TOTAL NUMBER OF SPRAYS PER CALENDAR YEAR
<b>Berries</b> (blueberry, highbush; elderberry; huckleberry) <b>Citrus</b> (grapefruit, lemons, limes, oranges, tangerines, etc.) <b>Currants; Dates, Figs</b> <b>Persimmons</b>	Banks grass Brown almond Citrus red Clover European red (use maximum rate) McDaniel Pacific Spider Pecan leaf scorch Strawberry spider Southern red mite Spruce spider mite Two-spotted spider Willamette	12 – 16 fl. oz. (0.375-0.50 lb ai/A)	50	1 (maximum 0.50 lb ai/A)

## **CHEMIGATION USE PRECAUTIONS AND INSTRUCTIONS FOR CRANBERRY, MINT, POTATOES AND TIMOTHY FOR FORAGE/HAY**

- A. 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.
- B. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
- C. If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers or other experts.
- D. 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.
- E. 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.
- F. 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.
- G. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- H. 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.
- I. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- J. 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.
- K. 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.
- L. Do not apply when wind speed favors drift beyond the area intended for treatment.
- M. Constant agitation must be maintained in the chemical supply tank during the entire period of pesticide application.
- N. Inject the product with a positive displacement pump into the main line ahead of a right angle turn to ensure adequate mixing.
- O. 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.
- P. 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.
- Q. Greater accuracy in calibration and distribution will be achieved by injecting a larger volume or more dilute mixture per hour. Apply pesticide continuously for the duration of the water addition.
- R. Where sprinkler irrigation patterns do not overlap sufficiently unacceptable mite control may result. Where sprinkler distribution patterns overlap excessively crop injury may result.
- S. Check with state lead agencies for state specific chemigation requirements.

## STRATEGIES FOR RESISTANCE MANAGEMENT

When used as directed, Willowood Bifenazate 4SC combines activity on mites with safety to beneficial/predaceous mites and insects. In addition, the carbamate chemistry of Willowood Bifenazate 4SC provides a means of controlling mites which have developed resistance to commonly used products. These properties can result in fewer miticides/insecticide applications as well as general reduction in the problems caused by resistance.

Willowood Bifenazate 4SC contains an active ingredient classified as a Group 20D acaricide. Willowood Bifenazate 4SC is suitable to be used as a rotational partner with other miticides.

Follow the mite control strategies below:

- Incorporate IPM techniques into your insect control program.
- Ensure thorough spray coverage to all foliage.
- Scout regularly and apply Willowood Bifenazate 4SC as soon as infestations are observed. Do not wait until large populations have established.
- Always apply Willowood Bifenazate 4SC at the required rates and according to label information.
- Unless labeled otherwise, use only one application of Willowood Bifenazate 4SC per calendar year, and rotate to a product with a different mode of action grouping.
- Because of its selectivity, Willowood Bifenazate 4SC can be used in conjunction with most biological control organisms available for mite control. Willowood Bifenazate 4SC, 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>
Seven-spotted 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>
Six-spotted thrip	<i>Scolothrips sexmaculatus</i>
Western flower thrip	<i>Frankliniella occidentalis</i>

The use of these organisms in conjunction with Willowood Bifenazate 4SC is encouraged as a means of reducing the number of chemical applications.

## **STORAGE AND DISPOSAL**

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

### **PESTICIDE STORAGE:**

Store in a dry location.

### **PESTICIDE DISPOSAL:**

Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

### **CONTAINER HANDLING:**

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer container for recycling if available or reconditioning if appropriate or puncture and dispose of container 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 Willowood, 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 Willowood, LLC and Seller harmless for any claims relating to such factors.

Willowood, 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 Willowood, LLC, and Buyer and User assume the risk of any such use. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, WILLOWOOD, 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 Willowood, 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 WILLOWOOD, 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 WILLOWOOD, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

Willowood, 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 Willowood, LLC.

EPA 20170622

# Willowood BIFENAZATE 4SC

## ACTIVE INGREDIENT: (% by weight)

Bifenazate: hydrazine carboxylic

acid, 2-(4-methoxy-[1,1'-biphenyl]-3-yl)

1-methylethyl ester..... 43.2%

**OTHER INGREDIENTS:** ..... 56.8%

**TOTAL:** ..... 100.0%

Contains 4 lbs. active ingredient bifenazate per gallon.

**KEEP OUT OF REACH OF  
CHILDREN  
CAUTION**

## FIRST AID

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

**If on skin:** 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.

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Causes moderate eye irritation. Avoid contact with eyes, skin or clothing.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a dry location.

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

## CONTAINER HANDLING:

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer container for recycling if available or reconditioning if appropriate or puncture and dispose of container in a sanitary landfill or by incineration.

**See label booklet for additional Precautionary Statements and Directions for Use.**

**EPA Reg. No. 87290-71**

**EPA Est. No. 39578-TX-001**

**Manufactured For:**

Willowood, LLC

385 Interlocken Crescent, Suite #240

Broomfield, CO 80021

20180806

**NET CONTENTS: 2.5 GALLONS**