66222-101 2/6/2012 1/16

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

February 6, 2012

Jennifer Yentel
Makhteshim Agan of North America, Inc.
4515 Falls of Neuse Rd, Suite 300
Raleigh, NC 27609

Subject: Amendment – Adding Bifenthrin Task Force Restrictions and updating Container Handling statements per PRN 2007-4
Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide
EPA Reg. No. 66222-101
Your submission dated October 31, 2011

Dear Ms. Yentel:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable subject to the comments listed below. Two (2) copies of the finished labeling must be submitted prior to releasing the product for shipment. A stamped copy of the label is enclosed for your records.

1. As required in the Notice of Registration, delete all public health pests from the label, there was no data submitted or cited to support your claims.

2. Delete the statements for **Nonrefillable Container (five gallons or less)** in the *Container Handling* section. As agreed in letter dated 02/25/2005 and noted on the front panel, that this product is "**Not permitted to sell in containers less than 5 gallons due to missing CRP certification**". If you intend to package this product in container sizes less than 5 gallons, CRP will be required.

3. On front panel replace "To control pests indoors and outdoors around residential … etc" with "To control listed pests indoors and outdoors around residential … etc".

4. Replace "Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco" with "Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet" in the *Precautionary Statement* section.

5. On page 3 make the following revisions:

a. Replace "*Application Recom*mendations" with either "*Application*" or "*Application Instructions*".
b. Replace "For low volume applications, less than 2 gallons/1000 square feet immediate irrigation of treated area with at least 0.25 inches of water following application is recommended to ensure efficacy of sub-surface pests such as, but not limited to, Mole Crickets" with "For low volume applications, less than 2 gallons/1000 square feet immediate irrigation of treated area with at least 0.25 inches of water following application to ensure efficacy of listed sub-surface pests including, Mole Crickets".
c. Under *Lawn Application Rates* replace "The higher application rates should be used when maximum residual control is desired" with "Use the higher application rates when maximum residual control is desired".

6. On page 5 under *Ornamentals and Trees* replace "For ornamental applications (including but not limited to trees, shrubs … etc" with "For ornamental applications (including trees, shrubs … etc".

7. On page 6 under *Ornamental Application Rates* replace "The higher application rates should be used when maximum residual control is desired" with "Use the higher application rates when maximum residual control is desired".

8. On page 7 replace "… residual spray to outside surfaces of building including, but not limited to, exterior siding … etc" with "… residual spray to outside surfaces of building including exterior siding … etc" under *Pest Control On Outside Surfaces And Around Buildings* section.

9. On pages 8 and 9, replace "Repeat application should be limited to no more than once per seven days" with "Repeat application must be limited to no more than once per seven days". Also on page 9 replace "Permitted use sites include, but are not limited to, Aircraft … etc" with "Permitted use sites include, Aircraft … etc".

10. On page 10 make the following revisions in the *Ant Control* section:

    a. Replace "These areas include, but are not limited to, baseboards, in and behind cabinets … etc" with "These areas include, baseboards, in and behind cabinets … etc".
    b. Replace "etc… entry into the home or premises such as around doors and windows" with "etc… entry into the home or premises including around doors and windows".

As required in the Notice of Registration an one year storage stability and corrosion characteristics study should have been submitted to the Agency. This requirement hasn't been fore filled. Within one year from the date of this letter submit the results of the storage stability and corrosion characteristics studies with observations made at 0, 3, 6, 9, and 12 months intervals.

If these conditions are not complied with, the registration will be subject to cancellation in

accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

If you have any questions regarding this action, please contact BeWanda Alexander at Alexander.bewanda@epa.gov or (703) 305-7460.

Sincerely,

BeWanda Alexander for

Richard Gebken
Product Manager Team 10
Insecticide Branch
Registration Division (7505P)

Enclosure

4/16

Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide

Only for Use and Storage by Commercial Applicators

To control insect pests and mites indoors, in interiorscapes, and outdoors on ornamentals and lawns in landscaped areas around residential, institutional, public, commercial, and industrial buildings, parks, recreational areas, and athletic fields.

ACTIVE INGREDIENT:	**% BY WT.**
Bifenthrin*: (2 methyl[1,1'-biphenyl]-3-yl)methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl-cyclopropanecarboxylate*	7.9%
INERT INGREDIENTS:*	92.1%
	Total 100.0%

*Cis isomers 97% minimum, trans isomers 3% maximum.
This product contains ⅔ pound active ingredient per gallon.

ACCEPTED
with COMMENTS
In EPA Letter Dated
FEB 6 2012
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 66222-101

KEEP OUT OF REACH OF CHILDREN

CAUTION

Manufactured for:
Makhteshim Agan of North America, Inc.
4515 Falls of Neuse Rd., Suite 300
Raleigh, NC 27609

EPA Reg. No. 66222-101

EPA Est. No. [redacted]

NET CONTENTS: 5 GALLON(S)
Note to label editor: Not permitted to sell in containers less than 5 gallons due to missing CRP certification.

FIRST AID

IF SWALLOWED:
- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

IF INHALED:
- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible.
- Call a poison control center or doctor for further treatment advice.

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 eye.
- Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING:
- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-250-9291 for emergency medical treatment information.
NOTE TO PHYSICIAN: This product is a pyrethroid. If large amounts have been ingested, the stomach and intestines should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and should be avoided.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Harmful if swallowed, inhaled, or absorbed through skin. Causes moderate eye irritation. Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Causes moderate eye irritation. Remove contaminated clothing and wash before reuse.

All pesticide handlers (mixers, loaders, and applicators) must wear long sleeved shirt and long pants, socks, shoes, chemical resistant gloves. After the product is diluted in accordance with label directions for use, shirt, pants, socks, shoes, and waterproof gloves are sufficient.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, 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. Care should be used when spraying to avoid fish and reptile pets in/around ornamental ponds.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

PHYSICAL AND CHEMICAL HAZARDS

Do not apply water-based dilutions of this product to electrical conduits, motor housings, junction boxes, switch boxes, or other electrical equipment because of possible shock hazard.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
Do not apply a broadcast application to interior surfaces of homes.
Do not apply this product through any type of irrigation system.
Do not apply by air.
Do not apply in greenhouses and nurseries.
Not for use on sod farm turf, golf course turf, or grass grown for seed. **Not for use in New York state without the product bulletin for this product.**

Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

Additional Application Restrictions for Residential Outdoor Surface and Space Sprays:
All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

1. Treatment to soil or vegetation around structures;
2. Applications to lawns, turf, and other vegetation;
3. Applications to building foundations, up to a maximum height of 3 feet.

Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors, and eaves) are limited to spot and crack-and-crevice applications, only.

The formula for determining the active ingredient content of the finished spray mixture: The following formula may be used to determine the percent active ingredient that is in the spray tank after mixing Bifenthrin SC Lawn and Tree Flowable:

$$\frac{(7.9)(\text{fluid ounces of Bifenthrin SC Lawn \& Tree Flowable added to tank})}{(\text{gallons of finished spray mix})(128)} = \text{Percent active ingredient of spray mix.}$$

IMPREGNATION AND APPLICATION OF BIFENTHRIN SC LAWN AND TREE FLOWABLE INSECTICIDE/MITICIDE ON DRY BULK TURF FERTILIZERS

Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide may be impregnated on dry bulk fertilizers. When applied as directed, Bifenthrin/dry bulk fertilizer mixtures provide insect control equal to that provided by the same rates of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide applied in water.

Impregnation: Apply using a minimum of 2.3 pounds of dry bulk fertilizer per 1000 square feet with the recommended amount of Bifenthrin SC Lawn and Tree Flowable per 1000 square feet. Use a closed rotary-drum mixer or similar type of closed blender equipped with suitable spray equipment. The spray nozzle(s) should be positioned to provide a uniform, fine spray pattern over the tumbling fertilizer for thorough coverage. The physical properties of fertilizers vary, particularly in liquid absorptive capacity. When absorptivity is sufficient, simple spray impregnation of the fertilizer with Bifenthrin SC Lawn and Tree Flowable provides a satisfactory, dry mixture. If the absorptive capacity is inadequate, use of a highly absorptive powder is required to provide a dry, flowable mixture. Microcel E (Johns-Manville Products Corporation) is a recommended absorbent powder. Generally less than 2% by weight of Microcel E is required. Do not impregnate Bifenthrin SC Lawn and Tree Flowable onto straight coated ammonium nitrate or straight limestone because these materials will not absorb the insecticide.

Dry fertilizer blends containing mixtures of ammonium nitrate or limestone may be impregnated with Bifenthrin SC Lawn and Tree Flowable.

The amount of Bifenthrin SC Lawn and Tree Flowable actually required in the preparation of individual fertilizer mixtures should be determined carefully for each production operation. This is necessary to ensure that the amount of pesticide actually contained in the mixture applied to the soil represents the correct rate of use. Bulk fertilizer impregnated with Bifenthrin SC Lawn and Tree Flowable should be applied immediately, not stored.

All individual Federal and State regulations relating to bulk dry fertilizer blending, registration, labeling, and application of the mixtures are the responsibility of the individual and/or company selling the fertilizer and Bifenthrin SC Lawn and Tree Flowable mixture.

Fertilizer for this use should be grass/lawn fertilizers recommended for specific regions.

GENERAL APPLICATION INSTRUCTIONS

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended only for aesthetic purposes or climatic modifications and being grown in interior plantscapes, ornamental gardens or parks, or lawns and grounds.

Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide formulation mixes readily with water and other aqueous carriers, and controls a wide spectrum of insects and mites on ornamentals, trees, shrubs, foliage plants, non-bearing fruit and nut trees, and flowers in interiorscapes including hotels, shopping malls, office buildings, etc., and outdoor plantscapes, such as around residential dwellings, parks, institutional buildings, recreational areas, athletic fields, and home lawns. Non-bearing crops are perennial crops that will not produce a harvestable raw agricultural commodity during the season of application.

Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide may be tank-mixed with other products, including insect growth regulators. When tank mixing Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide with other products, observe all precautions and limitations on each separate product label. The physical compatibility of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide may vary with different sources of pesticide products, and local cultural practices. Any tank mixture which has not been previously tested should be prepared on a small scale (pint or quart jar) using the proper proportions of chemicals and water to ensure the physical compatibility of the mixture.

The following procedure is recommended for preparation of a new tank mix, unless specified otherwise in label directions. (1) Add wettable powders to tank water, (2) Agitate, (3) Add liquids and flowables, (4) Agitate, (5) Add emulsifiable concentrates, and (6) Agitate. If a mixture is found to be incompatible following this order of addition, try reversing the order of addition, or increase the volume of water. Note: If the tank mixture is found to be compatible after increasing the amount of water, then the sprayer will need to be recalibrated for a higher volume application. Do not allow tank mix to stand overnight.

Resistance: Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state pest management authorities for details.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and suspect that resistance is reasonable cause, immediately consult your local company representative or pest management advisor for the best alternative method of control for your area.

APPLICATION RECOMMENDATIONS

LAWNS: Apply Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide as a surface or sub-surface treatment. Use application volumes of up to 10 gallons per 1000 square feet to get uniform coverage when treating dense and or long grass foliage.

For low volume applications, less than 2 gallons/1000 square feet immediate irrigation of treated area with at least 0.25 inches of water following application is recommended to ensure efficacy of sub-surface pests such as, but not limited to, Mole Crickets.

LAWN APPLICATION RATES

The application rates listed in the following table will provide excellent control of the respective pests under typical conditions. However, at the discretion of the applicator, Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide, may be applied at up to 1 fluid oz. per 1000 square feet for lawns to control each of the pests listed in this table. The higher application rates should be used when maximum residual control is desired.

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Pest	Application Rate Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide
Armyworms[1], Cutworms[1],Sod Webworm[1]	0.18-0.25 fl. oz. per 1000 sq. ft.
Annual Bluegrass Weevil (Hyperodes)(Adult)[2], Banks Grass Mite[6], Billbug (Adult)[3], Black turfgrass Ataenius (Adult)[4], Centipedes, Chinch Bugs[5], Crickets, Earwigs, Grasshoppers, Leafhoppers, Mealybugs, Millipedes, Mites[6], Pillbugs, Sowbugs	0.25-0.5 fl. oz. per 1,000 sq. ft.
Ants (except Pharaoh, Southern Fire, California Fire, Red and Black Imported Fire Ants), Japanese Beetle (Adult), Mole Cricket (Adult)[7] Mole Cricket (Nymph)[8]	0.5-1.0 fl. oz. per 1000 sq. ft.

Comments:

[1]**Armyworms, Cutworms, and Sod Webworms:** To ensure optimum control, delay watering (irrigation) or mowing for 24 hours after application. If the grass area is being maintained at a mowing height of greater than 1 inch, then higher application rates (up to 1 fluid oz. per 1000 sq. feet) may be required during periods of high pest pressure.

[2]**Annual Bluegrass Weevil (*Hyperodes*) Adults:** Applications should be timed to control adult weevils as they leave their overwintering sites and move into grass areas. This movement generally begins when Forsythia is in full bloom and concludes when flowering dogwood (*Cornus florida)* is in full bloom. Consult your State Cooperative Extension Service for more specific information regarding application timing.

[3]**Billbug Adults:** Applications should be made when adult billbugs are first observed during April and May. Degree day models have been developed to optimize application timing. Consult your State Cooperative Extension Service for information specific to your region. In temperate regions, spring applications targeting billbug adults will also provide control of over-wintered chinch bugs.

[4]**Black Turfgrass Ataenius Adults:** Applications should be made during May and July to control the first and second generation of black turfgrass ataenius adults, respectively. The May application should be timed to coincide with the full bloom stage of Vanhoutte spiraea (*Spiraea vanhouttei*) and horse chestnut (*Aesculus hippocastanum*). The July application should be timed to coincide with the blooming of Rose of Sharon (*Hibiscus syriacus).*

[5]**Chinch Bugs:** Chinch bugs infest the base of grass plants and are often found in the thatch layer. Irrigation of the grass area before treatment will optimize the penetration of the insecticide to the area where the chinch bugs are located. Use higher volume applications if the thatch layer is excessive or if a relatively long mowing height is being maintained. Chinch Bugs can be one of the most difficult pests to control in grasses and the higher application rates (up to 1 fluid oz. per 1000 square feet) may be required to control populations that contain both nymphs and adults during the middle of the summer.

[6]**Mites:** To ensure optimal control of eriophyid mites, apply in combination with the labeled application rate of a surfactant. A second application, five to seven days after the first, may be necessary to achieve acceptable control.

[7]**Mole Cricket Adults**: Achieving acceptable control of adult mole crickets is difficult because preferred grass areas are subject to continuous invasion during the early spring by this extremely active stage. Applications should be made as late in the day as possible and should be watered in with up to 0.5 inches of water immediately after treatment. If the soil is not moist, then it is important to irrigate before application to bring the mole crickets closer to the soil surface where contact with the insecticide will be maximized. Grass areas that receive pressure from adult mole crickets should be treated at peak egg hatch to ensure optimum control of subsequent nymph populations (see below).

[8]**Mole Cricket Nymphs**: Grass areas that received intense adult mole cricket pressure in the spring should be treated immediately prior to peak egg hatch. Optimal control is achieved at this time because young nymphs are more susceptible to insecticides and they are located near the soil surface where the insecticides where the insecticide is most concentrated. Control of larger, more damaging nymphs later in the year may require both higher application rates and more frequent applications to maintain acceptable control. Applications should be made as late in the day as possible and should be watered in with up to 0.5 inches of water immediately after treatment. If the soil is not moist, then it is important to irrigate before applications to bring the mole crickets closer to the soil surface where contact with the insecticide will be maximized.

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LAWN DILUTION CHART

Application Volume: Gallons Per 1,000 sq. ft.	Application Rate: Fluid Ounces per 1,000 sq. ft.	Fluid Ounces* of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide Diluted to These Volumes of Finished Spray			
		1 Gallon	5 Gallons	10 Gallons	100 Gallons
1.0	0.18	0.18	0.90	1.8	18.0
1.0	0.25	0.25	1.25	2.5	25.0
1.0	0.5	0.5	2.5	5.0	50.0
1.0	1.0	1.0	5.0	10.0	100.0
2.0	0.18	-	0.45	0.90	9.0
2.0	0.25	0.13	0.63	1.25	12.5
2.0	0.5	0.25	1.25	2.5	25.0
2.0	1.0	0.5	2.5	5.0	50.0
3.0	0.18	-	0.30	0.60	6.0
3.0	0.25	-	0.42	0.83	8.3
3.0	0.5	0.17	0.83	1.67	16.7
3.0	1.0	0.33	1.67	3.33	33.3
4.0	0.18	-	0.23	0.45	4.5
4.0	0.25	-	0.31	0.63	6.3
4.0	0.5	0.13	0.63	1.25	12.5
4.0	1.0	0.25	1.25	2.5	25.0
5.0	0.18	-	0.18	0.36	3.6
5.0	0.25	-	0.25	0.5	5.0
5.0	0.5	0.1	0.5	1.0	10.0
5.0	1.0	0.2	1.0	2.0	20.0
10.0	0.18	-	-	0.18	1.8
10.0	0.25	-	0.13	0.25	2.5
10.0	0.5	-	0.25	0.5	5.0
10.0	1.0	0.1	0.5	1.0	10.0

*To convert to milliliters multiply by 29.57
1 fluid oz. = 29.57 ml = 2 tablespoons = 6 teaspoons
Do not use household utensils to measure Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide.

ORNAMENTALS AND TREES

For ornamental applications (including but not limited to trees, shrubs, ground covers, bedding plants, and foliage plants), apply 0.125 to 1.0 fl. oz. of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide per 1000 square feet or 5.4 to 43.5 fl. oz. per 100 gallons. Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide may be diluted and applied in various volumes of water providing that the maximum label rate (1.0 fl. oz. per 1,000 square feet or 43.5 fl. oz. per 100 gallons) is not exceeded. Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide may be applied through low volume application equipment by dilution with water or other carriers and providing that the maximum label rate (1.0 fl. oz. per 1,000 square feet or 43.5 fl. oz. per 100 gallons) is not exceeded.

Apply the specified application rate as a full coverage foliar spray. Repeat treatment as necessary to achieve control using higher application rates as pest pressure and foliage area increases. Repeat application should be limited to no more than once per seven days.

Certain cultivars may be sensitive to the final spray solution. A small number of plants should be treated and observed for one week prior to application to the entire planting.

Use of an alternative class of chemistry in a treatment program is recommended to prevent or delay pest resistance.

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Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide Ornamental Dilution Chart

Application Volume: Gallons Per		Application Rate fluid Ounces Per	Fluid Ounces* of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide Diluted to These Volumes of Finished Spray			
1,000 sq. ft.	Acre	1,000 sq. ft.	1 Gallon	5 Gallons	10 Gallons	100 Gallons
2.3	100	0.125	-	0.27	0.54	5.4
2.3	100	0.25	0.11	0.54	1.08	10.8
2.3	100	0.5	0.22	1.09	2.17	21.7
2.3	100	1.0	0.44	2.17	4.35	43.5
4.6	200	0.125	-	0.14	0.27	2.7
4.6	200	0.25	-	0.27	0.54	5.4
4.6	200	0.5	0.11	0.54	1.09	10.9
4.6	200	1.0	0.22	1.09	2.17	21.7
6.9	300	0.125	-	-	0.18	1.8
6.9	300	0.25	-	0.18	0.36	3.6
6.9	300	0.5	-	0.36	0.72	7.2
6.9	300	1.0	0.15	0.72	1.45	14.5

*To convert to milliliters, multiply by 29.57
300 gallons per acre is a typical application volume for landscape ornamental applications.
1 fl. oz. = 29.57 ml = 2 tablespoons = 6 teaspoons
Do not use household utensils to measure Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide.

Calculating Dilution Rates using the Ornamental Application Rates Table and Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide Ornamental Dilution Chart

The following steps should be taken to determine the appropriate dilution of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide that is required to control specific pests:
1) Identify the least susceptible target pest (the pest requiring the highest application rate for control).
2) Select an application rate in terms of fl. oz. of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide
3) Identify your application volume and how much spray mix you want to prepare.
4) Use the Ornamental Dilution Chart to determine the appropriate volume of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide that must be mixed in your desired volume of water.

For example, suppose you are trying to control black vine weevil adults on rhododendron. The Ornamental Application Rates table shows that 0.25 to 0.5 fl. oz. of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide should be applied per 1,000 square feet. You select an application rate of 0.5 fl. oz. per 1,000 square feet because maximum residual control is desired. Your application volume is approximately 300 gallons per acre, which is equivalent to 6.9 gallons per 1,000 square feet. Consulting the Ornamental Dilution Chart reveals that you should dilute 0.72 fl. oz. of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide in 10 gallons of water.

ORNAMENTAL APPLICATION RATES

The application rates listed in the following table will provide excellent control of the respective pests under typical conditions. However, at the discretion of the applicator, Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide may be applied at up to 1 fl. oz. per 1,000 square feet (43.5 fl. oz. per 100 gallons) to control each of the pests listed in this Table. The higher application rates should be used when maximum residual control is desired.

Pest	Application Rate Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide	
	Fluid Ounces per 1,000 square feet	Fluid Ounces Per 100 gallons
Bagworms[12], Cutworms, Elm Leaf Beetles, Fall Webworm, Gypsy Moth Caterpillar, Lace Bugs, Leaf Feeding Caterpillar, Tent Caterpillars	0.125-0.25	5.4-10.8

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Adelgids, Ants, Aphids, Bees, Beet Armyworm, Beetles[13], Black Vine Weevil (Adults), Brown Soft Scale, Broad Mites, Budworms, California Red Scale (Crawlers)[13],Centipedes,Cicadas, Citrus Thrips, Clover Mites, Crickets, Diaprepes (Adults), Earwigs, European Red Mite, Flea Beetles, Fungus Gnats (Adults), Grasshoppers, Japanese Beetle (Adult), Leafhoppers, Leafrollers, Mealybugs, Millipedes, Mites, Orchid Weevil, Pillbugs, Pine Needle Scales (Crawlers)[13],Plants Bugs (Including *Lygus spp.),* Psyllids, San Jose Scale (Crawlers)[13], Scorpions, Sowbugs, Spider Mites, Spiders (except Black Widow, Brown Recluse, and Hobo Spiders), Spittlebugs, Thrips, Tip Moth, Treehoppers, Twig Borers[13], Wasps (except paper wasps), Weevils[13], Whiteflies	0.25-0.5	10.8-21.7
Leafminers, Pecan Leaf Scorch Mite, Pine Shoot Beetle (Adults), Spider Mites[14]	0.5-1.0	21.7-43.5

[12]**Bagworms:** Apply when larvae begin to hatch and spray larvae directly. Applications when larvae are young will be most effective.

[13]**Beetles, Weevils, Scale Crawlers, and Twig Borers**: Treat trunks, stems, and twigs in addition to plant foliage.

[14]**Spider Mites:** Bifenthrin SC Lawn and Tree Flowable provides optimal two-spotted spider mite control when applied during spring to mid-summer. Higher application rates and/or more frequent treatments may be required for acceptable two-spotted spider mite control during mid- to late-summer. The addition of a surfactant or horticultural oil may increase the effectiveness of Bifenthrin SC Lawn and Tree Flowable. Combinations of Bifenthrin SC Lawn and Tree Flowable with other registered miticides have also proven effective. Alternately, Bifenthrin SC Lawn and Tree Flowable applications may be rotated with those of other products that have different modes of action in control programs that are designed to manage resistance by two-spotted spider mites. Consult your local Cooperative Extension Service for resistance management recommendations in your region.

PEST CONTROL ON OUTSIDE SURFACES AND AROUND BUILDINGS

For control of Ants, Carpenter Ants, Armyworms, Bees, Beetles, Boxelder Bugs, Centipedes, Chiggers, Chinch Bugs, Clover Mites, Crickets, Cutworms, Dichondra Flea Beetle, Earwigs, Elm Leaf Beetle, Firebrats, Grasshoppers, Japanese Beetle, Midges (except biting midges), Millipedes, Moths, Pillbugs, Scorpions, Silverfish, Sod Webworms, Sowbugs, Spider Mites, Spiders (except Black Widow, Brown Recluse, and Hobo Spiders), Springtails, and Wasps (except paper wasps).

Apply Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide using a 0.02 to 0.06% suspension as a residual spray to outside surfaces of building including, but not limited to, exterior siding, foundations, porches, window frames, eaves, patios, garages, refuse dumps, lawns such as grass areas adjacent or around private homes, duplexes, townhouses, condominiums, house trailers, apartment complexes, carports, garages, fence lines, storage sheds, barns, and other residential and non-commercial structures, soil, trunks or woody ornamentals and other areas where pests congregate or have been seen. Use a spray volume of up to 10 gallons of emulsion per 1,000 square feet. Higher application volumes may be used to obtain the desired coverage of dense vegetation or landscaping materials.

Applications to vertical exterior surfaces (e.g., foundations) are permitted to a maximum height of 3 feet from ground level. Sections of vertical exterior surfaces that abut non-porous horizontal surfaces can only be treated if either 1) these sections are protected from rainfall and spray from sprinklers or 2) they do not drain into a sewer, storm drain, or curbside gutter (e.g., not to sections that abut driveways or sidewalks that drain into streets).

Follow Additional Application Restrictions for Residential Outdoor Surface and Space Sprays under DIRECTIONS FOR USE.

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Mixing Directions: For 0.02% suspension, mix 0.33 fl. oz. of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide per gallon of water. For 0.06% emulsion, mix 1 fl. oz. Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide per gallon of water (1 fluid oz. = 2 tablespoons). Do not use household utensils to measure Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide. Use the higher rate for heavy pest infestation, quicker knockdown, or longer residual control. Retreatment may be necessary to achieve and/or maintain control during periods of high pest pressure. Repeat application is necessary only if there are signs of renewed insect activity. Repeat application should be limited to no more than once per seven days.

Perimeter Treatment: Treat a band of soil and vegetation 6 to 10 feet wide around and adjacent to the structure. Also, treat the foundation of the structure to a height of 2 to 3 feet. Apply 0.33 to 1.0 fl. oz. of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide per 1,000 square feet in sufficient water to provide adequate coverage (refer to Perimeter Application Dilution Chart).

For sections of foundation that abut non-porous horizontal surfaces, the treated areas must be protected from rainfall and spray from sprinklers or they do not drain into a sewer, storm drain, or curbside gutter (e.g., not to sections that abut driveways or sidewalks that drain into streets).

Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide
Perimeter Application Dilution Chart

Application Volume: Gallons per 1,000 sq. ft.	Application Rate: Fl. Oz. per 1,000 sq. ft.	Fluid Ounces* of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide Diluted to These Volumes of Finished Spray			
		1 Gallons	5 Gallons	10 Gallons	100 Gallons
1.0	0.33	0.33	1.67	3.33	33.3
1.0	0.5	0.5	2.5	5.0	50.0
1.0	0.67	0.67	3.33	6.67	66.7
1.0	0.75	0.75	3.75	7.5	75.0
1.0	1.0	1.0	5.0	10.0	100.0
2.0	0.33	0.17	0.83	1.65	16.5
2.0	0.5	0.25	1.25	2.5	25.0
2.0	0.67	0.33	1.67	3.35	33.5
2.0	0.75	0.38	1.88	3.75	37.5
2.0	1.0	0.5	2.5	5.0	50.0
3.0	0.33	0.11	0.55	1.10	11.0
3.0	0.5	0.17	0.83	1.67	16.7
3.0	0.67	0.22	1.11	2.23	22.3
3.0	0.75	0.25	1.25	2.5	25.0
3.0	1.0	0.33	1.67	3.33	33.3
4.0	0.33	-	0.41	0.83	8.3
4.0	0.5	0.13	0.63	1.25	12.5
4.0	0.67	0.17	0.84	1.67	16.7
4.0	0.75	0.19	0.94	1.88	18.8
4.0	1.0	0.25	1.25	2.5	25.0
5.0	0.33	-	0.33	0.67	6.7
5.0	0.5	0.1	0.5	1.0	10.0
5.0	0.67	0.13	0.67	1.33	13.3
5.0	0.75	0.15	0.75	1.5	15.0
5.0	1.0	0.2	1.0	2.0	20.0
10.0	0.33	-	0.17	0.33	3.3
10.0	0.5	-	0.25	0.5	5.0
10.0	0.67	-	0.33	0.67	6.7
10.0	0.75	-	0.38	0.75	7.5
10.0	1.0	0.1	0.5	1.0	10.0

*To convert to milliliters, multiply by 29.57
1 fl. oz. = 29.57 ml = 2 tablespoons = 6 teaspoons
Do not use household utensils to measure Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide

For Ant (except Pharaoh, Southern Fire, California Fire, Red and Black Imported Fire Ants), **Mounds, use Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide 0.06% emulsion as Drench Method:** Apply 1-2 gallons of emulsion to each mound area by sprinkling the mound until it is wet and treat a 4 foot diameter circle around the mound. Use the higher volume for mounds larger than 12". For best results, apply in cool weather, such as in early morning or late evening hours, but not in the heat of the day.

For control of ants (except Pharaoh, Southern Fire, California Fire, Red and Black Imported Fire Ants), bees (except Africanized honey bees), beetles, boxelder bugs, carpet beetles, centipedes, cloth moths, crickets, earwigs, firebrats, midges (except biting midges), millipedes, pillbugs, scorpions, silverfish, sowbugs, and spiders (except Black Widow, Brown Recluse, and Hobo Spiders), and wasps (except paper wasps), use a 0.02% to 0.06% suspension (0.33 to 1 fl. oz. per gallon of water) for residual pest control in buildings and structures and on modes of transport. Apply either as a crack and crevice, pinstream, spot, coarse, low pressure spray (25 p.s.i. or less) or with a paint brush.

Indoor Treatments: Apply as a coarse, low pressure, crack and crevice or spot spray to areas where pests hide, such as baseboards, corners, storage areas, closets, around water pipes, doors and windows, attics and eaves, behind and under refrigerators, cabinets, sinks, furnaces, stoves, the underside of shelves, drawers and similar areas. Do not use as a space spray. Pay particular attention to cracks and crevices.
Mixing Directions: See mixing directions in the PEST CONTROL ON OUTSIDE SURFACES AND AROUND BUILDINGS section.
Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide is to be diluted with water for spray or brush application. Fill sprayer with the desired volume of water and add Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide. Close and shake before use in order to insure proper mixing. Mix only the amount of solution needed for the application. Retreatment may be necessary to achieve and/or maintain control during periods of high pest pressure. Repeat application is necessary only if there are signs of renewed insect activity. Repeat application should be limited to no more than once per seven days.

Crickets, Firebrats, Scorpions, Silverfish, and Spiders (except Black Widow, Brown Recluse, and Hobo Spiders**:** Apply as a coarse, low pressure spray to areas where these pests hide such as baseboards, corners, storage areas, closets, around water pipes, doors and windows, attics and eaves, behind and under refrigerators, cabinets, sinks, furnaces, and stoves, the underside of shelves, drawers and similar areas. Pay particular attention to cracks and crevices.
Ants (except Pharaoh, Southern Fire, California Fire, Red and Black Imported Fire Ants)**:** Apply to any trails, around doors, and windows and other places where ants may be found.
Bees (except Africanized honey bees) **and Wasps** (except paper wasps)**:** Application to nests should be made late in the evening when insects are at rest. Thoroughly spray nest and entrance and surrounding areas where insects alight.
Boxelder Bugs, Centipedes, Earwigs, Beetles, Millipedes, Pillbugs, and Sowbugs: Apply around doors and windows and other places where these pests may be found or where they may enter premises. Spray baseboards, storage areas, and other locations.

FOOD/FEED HANDLING ESTABLISHMENT APPLICATIONS

Applications of this product are permitted in both food/feed and nonfood areas of food/feed handling establishments as a general surface, spot, or crack and crevice treatment.
Food/Feed Handling Establishments are defined as places other than private residences in which exposed food/feed is held, processed, prepared or served. Included also are areas for receiving, storing, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups) of food. Serving areas where food is exposed and the facility is in operation are also considered food areas.
Permitted non-food areas of use include, garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, garages, mop closets and storage (after canning or bottling).
Permitted use sites include, but are not limited to: Aircraft (Do not use in aircraft cabins), apartment buildings, bakeries, bottling facilities, breweries, buses, cafeterias, candy plants, canneries, dairy product processing plants, food manufacturing plants, food processing plants, food service establishments, granaries, grain mills, hospitals, hotels, industrial buildings, laboratories, meat/poultry/egg processing plants, mobile/motor homes, nursing homes, offices, railcars, restaurants, schools, ships, trailers, trucks, vessels, warehouses and wineries.
General Surface Application: Do not use this application method in food/feed handling establishments when the facility is in operation or foods/feeds are exposed. Do not apply directly to food products. Cover or remove all food processing and/or handling equipment during application. After application in food processing plants, bakeries, cafeterias and similar facilities, wash all equipment, benches, shelving and other surface which food will contact. Clean food handling or processing equipment and thoroughly rinse with clean, fresh water.

Spot, Crack and Crevice Application: Spot or crack and crevice applications may be made while the facility is in operation; however, food should be covered or removed from area being treated. Do not apply directly to food.
Foam Applications: Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide may be converted to foam and used to treat structural voids. Dilute 0.33 to 1.0 fl. oz. of Lawn and Tree SC Flowable Insecticide/Miticide per gallon of water and add the manufacturers recommended volume of foaming agent to produce a 0.02 to 0.06 percent foam concentration. Verify before treatment that the foaming agent is compatible with Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide.

TERMITE CONTROL (ABOVE GROUND ONLY)

The purpose of the applications described below is to kill termite workers or winged reproductives that may be present at the time of treatment. These applications are intended as supplements to, and not substitutes for, mechanical alteration, soil treatment, or foundation treatment.
To control exposed workers and winged reproductive termites in localized areas, dilute 1.0 fl. oz. of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide per gallon of water and apply as a course fan spray at the rate of one gallon per 1,000 square feet to attics, crawl spaces, unfinished basements and other void areas. Treat swarming termites as well as the areas in which they congregate.
To control above-ground termites in localized areas of infested wood, dilute 1.0 fl. oz. of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide per gallon of water and apply as a liquid or foam to voids and galleries in damaged wood as well as to spaces between wooden structural members and between the sill plate and foundation where wood is vulnerable to attack. Applications may be made to inaccessible areas by drilling and then injecting the dilution or foam, with a suitable directional injector, into damaged wood or wall voids. All treatment holes drilled in construction elements in commonly occupied areas of structures should be securely plugged after treatment.
To control termite carton nests in building voids, dilute 1.0 fl. oz. of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide per gallon of water and apply as a liquid or foam using a pointed injection tool. Multiple injection points and varying depths of injection may be necessary to achieve control. When possible, the carton nest material should be removed from the building void after treatment.

ANT CONTROL
(except Pharaoh, Southern Fire, California Fire, Red and Black Imported Fire Ants)

Nuisance Ants Indoors: For best results, locate and treat ant nests. Dilute 0.5 to 1.0 fl. oz. of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide per gallon of water and apply at the rate of one gallon of dilution per 1,000 square feet as a general surface, crack and crevice or spot treatment to areas where ants have been observed or are expected to forage. These areas include, but are not limited to, baseboards, in and behind cabinets, under and behind dishwashers, furnaces, refrigerators, sinks, and stoves, around pipes, cracks, and crevices and in corners. Particular attention should be given to treating entry points into the home or premises such as around doors and windows. When using Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide in combination with baits, apply Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide as instructed above, and use baits in other areas that have not been treated with Bifenthrin.
Nuisance Ants Outdoors: For best results, locate and treat ant nests. Apply Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide to ant trails around doors and windows and other places where ants have been observed or are expected to forage. Apply a perimeter treatment using either low or high volume applications described in the Pest Control on Outside Surface and Around Buildings section of this label. The higher dilutions and/or application volumes, as well as more frequent applications, may be necessary when treating concrete surfaces for ant control. The following procedures must be followed to help achieve maximum control of the pest:
1) Treat non-porous surfaces only in areas protected from rainfall and spray from sprinklers with low volume applications using 0.5 to 1.0 fl. oz. of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide per gallon of water and applying this dilution at the rate of one gallon per 1,000 square feet.
2) Treat porous surfaces and vegetation with high volume applications using dilutions that are calculated to deliver 0.5 to 1.0 fl. oz. of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide per 1,000 square feet (refer to the Ornamental and Perimeter Application Dilution Charts).
3) For maximum residual control, dilute 0.5 to 1.0 fl. oz. of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide per gallon of water and apply at a rate of up to 10 gallons of dilution per 1,000 square feet.
Carpenter Ants Indoors: Dilute 0.5 to 1.0 fl. oz. of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide per gallon of water and apply at the rate of one gallon of dilution per 1,000 square feet as a general surface, crack and crevice or spot treatment to areas where carpenter ants have been observed or are expected to forage. These areas include, but are not limited to, baseboards, in and behind cabinets, under and behind dishwashers, furnaces, refrigerators, sinks, and stoves, around pipes, cracks and crevices and in corners. Particular attention should be given to treating entry points into the home or premises such as around doors and windows. Spray or foam into cracks and crevices or drill holes and spray, mist or foam into voids where carpenter ants or their nests

are present. When using Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide in combination with baits, apply Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide as instructed above, and use baits in other areas that have not been treated with Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide.

Carpenter Ants Outdoors: Apply Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide to carpenter ant trails around doors and windows and other places where carpenter ants have been observed or are expected to forage. For best results, locate and treat carpenter ant nests. Apply a perimeter treatment using either low or high volume applications described in the Pest Control on Outside Surfaces and Around Buildings section of this label. The higher dilutions and/or applications volumes, as well as more frequent applications, may be necessary when treating concrete surfaces for carpenter ant control. The following procedures must be followed to help achieve maximum control of the pest.

1) Treat non-porous surfaces only in areas protected from rainfall and spray from sprinklers with low volume applications using 0.5 to 1.0 fl. oz. of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide per gallon of water and applying this dilution at the rate of one gallon per 1,000 square feet.

2) Treat the trunks of trees that have carpenter ant trails, or upon which carpenter ants are foraging, using 0.5 to 1.0 fl. oz. of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide per gallon of water and applying this dilution to thoroughly wet the bark from the base of the tree to as high as possible on the trunk.

3) Treat porous surfaces and vegetation with high volume applications using dilutions that are calculated to deliver 0.5 to 1.0 fl. oz. of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide per 1,000 square feet (refer to the Ornamental and Perimeter Application Dilution Charts).

4) For maximum residual control, dilute 0.5 to 1.0 fl. oz. of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide per gallon of water and apply at a rate of up to 10 gallons of dilution per 1,000 square feet.

To control carpenter ants inside trees, utility poles, fencing or deck materials and similar structural members, drill to locate the interior infested cavity and inject or foam 0.06% dilution (1.0 fl. oz. of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide per gallon of water) into the cavity using a sufficient volume and an appropriate treatment tool with a splashback guard.

To control carpenter ants that are tunneling in the soil, dilute 0.5 to 1.0 fl. oz. of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide per gallon of water and apply as a drench or inject the dilution or foam at intervals of 8 to 12 inches. Establish a uniform vertical barrier at the edges of walls, driveways or other hard surfaces where ants are tunneling beneath the surfaces.

For wood piles and stored lumber, apply a 0.06% emulsion. Use a hose-end sprayer or sprinkling can to deliver a coarse drenching spray. Treated wood can be burned or used for lumber one month after treatment. Do not use in structures.

To protect firewood from carpenter ants (and termites), dilute 1.0 fl. oz. of Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide per gallon of water and apply to the soil beneath where the firewood will be stacked at the rate of one gallon of dilution per 8 sq. ft. Do not treat firewood with this product.

Attention:

Do not allow people or pets on treated surfaces until spray has dried.

Let surfaces dry before allowing people and pets to contact surfaces.

Do not treat pets with this product.

Do not apply this pesticide when classrooms are in use.

Do not apply this pesticide in occupied patient rooms, or in any rooms occupied by the infirm, elderly, or children for extended periods of time.

Bifenthrin SC Lawn and Tree Flowable Insecticide/Miticide will not stain or damage any surface that water alone will not stain or damage.

Application equipment that delivers low volume treatments, such as the Micro Injector® or Actisol® applicators, may also be used to make crack and crevice, deep harborage, spot and general surface treatments of Bifenthrin SC Flowable Insecticide/Miticide.

Do not apply this pesticide in livestock buildings (barns).

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink container.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Do not contaminate water, food or feed by storage or disposal. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. Dispose of excess or waste pesticide by use according to label directions, or contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA office for guidance.

CONTAINER HANDLING:

Nonrefillable Container (five gallons or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container 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. If recycling is not available, puncture or dispose of in a sanitary landfill or incineration or if allowed by state and local authorities, by burning. If burned stay out of smoke.

Nonrefillable Container (greater than five gallons): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. If recycling is not available, puncture or dispose of in a sanitary landfill or incineration or if allowed by state and local authorities, by burning. If burned stay out of smoke.

Refillable Container (greater than 55 gallons): Refillable container. Refill this container with bifenthrin only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. For final disposal, offer for recycling or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

In case of spill: Avoid contact, isolate area, and keep out animals and unprotected persons. Confine spills.

To Confine Spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

Returnable/Refillable Sealed Container: Do not rinse container. Do not empty remaining formulated product. Do not break seals. Return intact to point of purchase.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire directions for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following **CONDITIONS**, **DISCLAIMER OF WARRANTIES,** and **LIMITATIONS OF LIABILITY**.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Makhteshim Agan of North America, Inc. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Makhteshim Agan of North America, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Makhteshim Agan of North America,

Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Makhteshim Agan of North America, Inc.'s election, the replacement of product.

Bifenthrin SC Lawn and Tree Flowable Insecticide Miticide (66222-101)(EPA app 3-1-05) (Amend to EPA 10-31-11)