



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505T)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

**2749-672**

Date of Issuance:

**10/10/25**

NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration  
(under FIFRA, as amended)

Term of Issuance:

**Conditional**

Name of Pesticide Product:

**Bifenthrin D 7.9SC Insecticide**

Name and Address of Registrant (include ZIP Code):

Aceto Life Sciences, L.L.C. d/b/a Actylis  
4 Tri Harbor Court  
Port Washington, NY 11050

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

*Continues page 2*

Signature of Approving Official:

Jacquelyn Herrick, Product Manager 03  
IVB1 Registration Division (7505T)

Date:

**10/10/25**

2. You are required to comply with the data requirements described in the generic data call-in (GDCI) identified below:
  - a. Bifenthrin GDCI-128825-902
  - b. Bifenthrin GDCI-128825-1159

You must comply with all of the data requirements within the established deadlines. If you have questions about the GDCI listed above, you may contact the Chemical Review Manager in the Pesticide Re-Evaluation Division: <http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>

3. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. You have 18 months from the date of registration to provide these data.
4. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, "EPA Reg. No. 2749-672."
5. Submit one copy of the final printed label for the record before you release the product for shipment.

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 FIFRA 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) lists 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. If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

The record for this product currently contains the following CSF(s):

- Basic CSF dated 11/30/2024
- Alternate CSF #1-33 dated 11/30/2024

If you have any questions, please contact Jamey Shuler by phone at (202) 566-2898, or via email at [Shuler.Jamey@epa.gov](mailto:Shuler.Jamey@epa.gov).

[Note to reviewer: [Text] in brackets denotes optional or explanatory language  
[Note to reviewer: {Text} in braces denotes where in the final label text will  
appear  
{BOOKLET FRONT PANEL LANGUAGE}

**Restricted Use Pesticide**  
**Toxic to Fish and Aquatic Organisms**  
For retail sale to and use only by certified applicators, or persons under their direct supervision, and only for those uses covered by the certified applicator's certification

BIFENTHRIN GROUP 3A INSECTICIDE

# Bifenthrin D 7.9SC

## Insecticide

For Commercial Non-Food Use on Indoor and Outdoor Ornamentals,  
Greenhouses, Nurseries, and Turf on Golf Courses and Sod Farms.

**For Both Outdoor and Indoor Use**

Active Ingredient:	By Wt.
Bifenthrin*: .....	7.9%
Other Ingredients.....	92.1%
Total	100.0%

\*Cis isomers 97% minimum, trans isomers 3% maximum.  
Bifenthrin D 7.9SC Insecticide contains ¾ pound active ingredient per gallon.

**KEEP OUT OF REACH OF  
CHILDREN  
CAUTION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

[See] [inside] [label] [booklet] [for][ complete] [additional] [First aid] [Precautionary Statements][,] [and]  
[Directions for Use] [including] [Storage and Disposal] [instructions][.]

EPA Reg. No.: 2749- ATE  
EPA Est. No.:

Net Weight:

Manufactured for:  
Aceto Life Sciences, L.L.C. d/b/a Actylis  
4 Tri Harbor Court  
Port Washington, NY 11050

[PEEL BACK BOOK HERE AND RESEAL AFTER OPENING



]

**ACCEPTED**  
**10/10/2025**  
Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 2749-672

{LANGUAGE INSIDE BOOKLET}

FIRST AID	
If swallowed	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• <b>DO NOT</b> induce vomiting unless told to do so by the poison control center or doctor.</li><li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li></ul>
If on skin or clothing	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
If inhaled	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
If in eyes	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continuing rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>Note to Physician:</b> This product is a pyrethroid. If large amounts have been ingested, the stomach and intestine should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided	
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or physician or going for treatment. FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT, CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887 (24 Hours per Day, 7 Days per Week).	

FOR CHEMICAL SPILL, LEAK, FIRE, EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887 (24 Hours per Day, 7 Days per Week).

## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

#### CAUTION

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

#### Personnel Protective Equipment:

Some materials that are chemical-resistant to this product are listed below.

#### Applicators and other handlers (other than mixers and loaders) must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyethylene, polyvinylchloride ≥ 14 mils or viton ≥ 14 mils.
- Shoes plus socks

#### Mixers and Loaders must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyethylene, polyvinylchloride ≥ 14 mils or viton ≥ 14 mils.
- Shoes plus socks
- Protective eyewear

#### [CALIFORNIA SPECIFIC REQUIREMENTS FOR GREENHOUSE APPLICATORS AND HARVESTERS:

In addition to following all applicable precautionary statements on the label, the following is required for greenhouse applicators and harvesters:

**Greenhouse Applicator:** Greenhouse applicators must wear a full body chemical-resistant protective suit (such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyethylene, polyvinylchloride ≥ 14 mils or viton ≥ 14 mils).

**Reapplication Interval:** Reapplications to greenhouses must be at intervals of 30 days or longer.

**Greenhouse Harvesters:** Greenhouse harvesters must wear either regular-length gloves plus a long sleeved shirt or elbow-length (gauntlet type) gloves during the 30 days following application.]

Follow manufacturer's instructions for cleaning/maintaining PPE. If not such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### User Safety Recommendations

Users Should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### 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 run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. **DO NOT** contaminate water when disposing of equipment washwaters.

### Non-Target Organism Advisory Statement

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 to drift to blooming crops if bees are visiting the treatment area. **Protect pollinating insects by following label directions intended to minimize drift and to reduce risk to these organisms.**

### Physical or Chemical Hazards

**DO NOT** mix or allow coming in contact with oxidizing agents. Hazardous chemical reaction may occur.

## DIRECTIONS FOR USE RESTRICTED USE PESTICIDE

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.

**DO NOT** apply this product through any kind of irrigation system.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**DO NOT** enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, including, plants, soil, or water is:

- Coveralls
- Chemical-resistant gloves such as barrier laminate, butyl rubber  $\geq 14$  mils, nitrile rubber  $\geq 14$  mils, neoprene rubber  $\geq 14$  mils, polyethylene, polyvinylchloride  $\geq 14$  mils or viton  $\geq 14$  mils.
- Shoes plus socks

### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standards for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries and greenhouses.

**DO NOT** allow people or pets on treated surfaces until the spray has dried.

### USE RESTRICTONS

- **DO NOT** allow to enter indoor or outdoor drains.  
(*No permita la entrada a desagües internos o externos*)
- Follow proper disposal procedures on this label.  
(*Siga las indicaciones del etiquetado para el desecho apropiado del product.*)



- For soil or foliar applications, **DO NOT** apply by ground within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish farm ponds.

- **DO NOT** apply the product into fish pools, ponds, streams, or lakes. **DO NOT** apply directly to sewers or storm drains, or to any area like a drain or 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.
- **DO NOT** apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack-and-crevice treatment.
- Applicators are required to select the nozzle and pressure that deliver a medium or coarser droplet size (ASABE S572).
- Treat surfaces to ensure thorough coverage but avoid runoff.
- To treat insects harbored in voids and cracks-and-crevices, applications must be made in such a manner to limit dripping and avoid runoff onto untreated structural surfaces and plants.
- **DO NOT** apply or irrigate to the point of runoff.
- **DO NOT** make applications during rain. Avoid making applications when rainfall is expected before the product has sufficient time to dry (minimum 4 hours).
- Rainfall within 24 hours after application may cause unintended runoff of pesticide application.
- **DO NOT** apply when the wind speed is greater than 15 mph.

## APPLICATIONS INSTRUCTIONS

Bifenthrin D 7.9SC Insecticide controls listed insects and mites on trees, shrubs, foliage plants, non-bearing fruit and nut trees, and flowers in greenhouses. Non-bearing crops are perennial crops that will not produce a harvestable raw agricultural commodity within 365 days of application.

Spreader stickers are not necessary with Bifenthrin D 7.9SC Insecticide.

Bifenthrin D 7.9SC Insecticide can be tank-mixed with insect growth regulators, other pesticides and other aqueous carriers. Observe all precautions and Directions for Use for each product. Physical compatibility may vary with different combinations of products, so prepare a small scale (pint or quart jar) test sample for any combination not tested previously. Use proper proportions in the small scale test to achieve the correct result.

Unless otherwise noted in the label instructions, use the procedure below for preparation of a new tank mix:

1. Add wettable powders to tank water.
2. Mix well
3. Add liquids and flowables
4. Mix well
5. Add emulsifiable concentrates
6. Mix well

Try reversing the order of addition or increasing the amount of water if the combination is not compatible using the above order. NOTE: After increasing the amount of water, if the mixture is found to be compatible, it is necessary to recalibrate the sprayer for a higher volume application. **DO NOT** allow mixture to stand overnight.

Maximum rates: **DO NOT** apply more than 0.2 lb. ai/acre (40 fl. ozs. of Bifenthrin D 7.9SC Insecticide) in a single application or per year for outdoor applications.

**It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and 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.**

## Resistance Management

For resistance management, Bifenthrin D 7.9SC Insecticide contains a Group 3A insecticide. Any insect population may contain individuals naturally resistant to Bifenthrin D 7.9SC Insecticide and other Group 3A insecticides. The resistant individuals may dominate the insect population if this group of insecticides is used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of Bifenthrin D 7.9SC Insecticide or other Group 3A insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides 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 pests.

- 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 insecticidal activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticides that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological, and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level 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.

#### Bifenthrin D 7.9SC Insecticide Dilution Chart

Appl Volume	Appl Rate	Fl. Ozs.* of Bifenthrin D 7.9SC Insecticide Diluted to these Volumes of Finished Spray			
Gallons per Acre	Lbs. a.i. per Acre	1 Gallon	25 Gallons	50 Gallons	100 Gallons
50	0.025	0.1	2.5	5.0	10.0
50	0.05	0.2	5.0	10.0	20.0
50	0.1	0.4	10.0	20.0	40.0
50	0.2	0.8	20.0	40.0	80.0
100	0.025	0.05	1.25	2.5	5.0
100	0.05	0.1	2.5	5.0	10.0
100	0.1	0.2	5.0	10.0	20.0
100	0.2	0.4	10.0	20.0	40.0
150	0.025	0.03	0.83	1.67	3.3
150	0.05	0.07	1.67	3.33	6.7
150	0.1	0.133	3.33	6.67	13.3
150	0.2	0.266	6.67	13.33	26.7
200	0.025	0.025	0.63	1.25	2.5
200	0.05	0.05	1.25	2.5	5.0
200	0.1	0.1	2.5	5.0	10.0
200	0.2	0.2	5.0	10.0	20.0
250	0.025	-	0.5	1.0	2.0
250	0.05	-	1.0	2.0	4.0
250	0.1	-	2.0	4.0	8.0
250	0.2	-	4.0	8.0	16.0
300	0.025	-	0.42	0.83	1.7
300	0.05	-	0.83	1.67	3.3
300	0.1	-	1.67	3.33	6.7
300	0.2	-	3.33	6.67	13.3

\*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 D 7.9SC Insecticide.**

**Formula for Determining the Active Ingredient Content of the Finished Spray Mixture:** To determine the percent active ingredient that is in the spray tank after mixing Bifenthrin D 7.9SC Insecticide use the formula below:

$$\frac{(7.9)(\text{Fl. Oz. of Bifenthrin D 7.9SC Insecticide added to tank})}{(\text{Gallons of finished spray mix})(128)} = \text{Percent a.i. of spray mix}$$

All outdoor spray applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

1. Application to pervious surfaces such as soil, lawn, turf, and other vegetation;
2. Perimeter band treatments of 7 feet wide or less from the base of a man-made structure to pervious surfaces (e.g., soil, mulch, or lawn);
3. Applications to underside of eaves, soffits, doors, or windows permanently protected from rainfall by a covering, overhang, awning, or other structure;

4. Applications around potential exterior pest entry points into man-made structures such as doorways and windows, when limited to a band not to exceed one inch;
5. Applications to vertical surfaces (such as the side of a man-made structure) directly above impervious surfaces (e.g., driveways, sidewalks, etc.), up to 2 feet above ground level;
6. Applications to vertical surfaces directly above pervious surfaces, such as soil, lawn, turf, mulch or other vegetation) only if the pervious surface does not drain into ditches, storm drains, gutters, or surface waters.
7. Spot treatments must not exceed two square feet in size (for example, 2 ft. by 1 ft. or 4 ft. by 0.5 ft.).

### **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 select nozzle and pressure that deliver medium or coarser droplets (ASABE S641).
- **DO NOT** apply when wind speeds exceed 15 mph at the application site. If the wind speed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- If the windspeed is 10 miles per hour or less, applicators must use ½ swath displacement upwind at the downwind edge of the field. When the windspeed is between 11-15 miles per hour, applicators must use ¾ swath displacement upwind at the downwind edge of the field.
- **DO NOT** apply during temperature inversions.

#### **Airblast Applications:**

- Sprays must be directed into the canopy.
- **DO NOT** apply when wind speeds exceed 15 mph at the application site.
- User must turn off outward pointing nozzles at row ends and when spraying outer row.
- **DO NOT** apply during temperature inversions.

#### **Ground Boom Applications:**

- User must only 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 select nozzle and pressure that deliver medium or coarser droplets (ASABE S572).
- **DO NOT** apply when wind speeds exceed 15 mph at the application site.
- **DO NOT** apply during temperature inversions.

## **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**

- 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.

### **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.

## Handheld Technology Applications:

- Take precautions to minimize spray drift.

## Non-Target Organism Advisory Statement

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 to drift to blooming crops if bees are visiting the treatment area. **Protect pollinating insects by following label directions intended to minimize drift and to reduce risk to these organisms.**

## VEGETATIVE FILTER STRIPS

Construct and maintain a vegetative filter strip, according to the width specified below, of grass or other permanent vegetation between the field edge and nearby down gradient aquatic habitat (such as, but not limited to, lakes; reservoirs; rivers; streams; marshes or natural ponds; estuaries; and commercial fish farm ponds).

Only apply products containing bifenthrin onto fields where a maintained vegetative filter strip of at least **25 feet** exists between the field edge and where a down gradient aquatic habitat exists. This minimum required width of 25 feet may be reduced or removed under the following conditions:

- For Western irrigated agriculture, a maintained vegetative filter strip of at least 10 feet wide is required. Western irrigated agriculture is defined as irrigated farmland in the following states: WA, OR, CA, ID, NV, UT, AZ, MT, WY, CO, NM, and TX (west of I-35).
  - For Western irrigated agriculture, if a sediment control basin is present, a vegetative filter strip is not required.
- In all other areas, a vegetative filter strip with a minimum width of 25 feet is required, unless the following conditions are met. The vegetative filter strip requirement may be reduced from 25 feet to 15 feet if at least one of the following applies:
  - The area of application is considered prime farmland (as defined in 7 CFR § 657.5).
  - Conservation tillage is being implemented on the area of application. Conservation tillage is defined as any system that leaves at least 30% of the soil surface covered by residue after planting. Conservation tillage practices can include mulch-till, no-till, or strip-till.
  - A functional terrace system is maintained on the area of application.
  - Water and sediment control basins for the area of application are functional and maintained.
  - The area of application is less than or equal to 10 acres.

For further guidance on vegetated filter strips, refer to the following publication for information on constructing and maintaining effective buffers: Conservation Buffers to Reduce Pesticide Losses. Natural Resources Conservation Services.

<https://www.regulations.gov/document?D=EPA-HQ-OPP2008-0331-0175>

Following best management practices can help reduce risk to terrestrial pollinators. Examples of best management practices include applying pesticides in the evening and at night when pollinators are not foraging and checking to confirm hive locations before spraying. For additional resources on pollinator best management practices, visit <https://www.epa.gov/pollinator-protection/find-bestmanagement-practices-protect-pollinators>.

**Managed pollinator protection plans** are developed by states/tribes to promote communication between growers, landowners, farmers, beekeepers, pesticide users, and other pest management professionals to reduce exposure of bees to pesticides. If available, visit state plans for additional information on how to protect pollinators.

**How to Report Bee Kills** It is recommended that users contact both the state lead agency and the U.S. Environmental Protection Agency to report bee kills due to pesticide application. Bee kills can be reported to EPA at [beekill@epa.gov](mailto:beekill@epa.gov). To contact your state lead agency, see the current listing of state pesticide regulatory agencies at the National Pesticide Information Center's website: [http://npic.orst.edu/reg/state\\_agencies.html](http://npic.orst.edu/reg/state_agencies.html).

## BUFFER ZONES

### Vegetative Buffer Strip

Construct and maintain a minimum 10-foot-wide vegetative filter strip of grass or other permanent vegetation between the field edge and down gradient aquatic habitat (such as, but not limited to, lakes; reservoirs; rivers; permanent streams; marshes or natural ponds; estuaries; and commercial fish farm ponds).

Only apply products containing bifenthrin onto fields where a maintained vegetative buffer strip of at least 10 feet exists between the field and down gradient aquatic habitat.

For guidance, refer to the following publication for information on constructing and maintaining effective buffers:

*Conservation Buffers to Reduce Pesticide Losses. Natural Resources Conservation Services. USDA NRCS. 2000 Fort Worth, Texas. 21 pp.*

[www.in.nrcs.usda.gov/technical/agronomy/newconbuf.pdf](http://www.in.nrcs.usda.gov/technical/agronomy/newconbuf.pdf)

### Buffer Zone for Ground Application (ground boom, overhead chemigation, or airblast)

**DO NOT** apply within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, ponds, estuaries, and commercial fish ponds).

### Buffer Zone for ULV Application

**DO NOT** apply within 450 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, ponds, estuaries, and commercial fish ponds).

### Buffer Zone for Non-ULV Aerial Application

**DO NOT** apply within 150 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, ponds, estuaries, and commercial fish ponds)

## ORNAMENTALS

### Ornamentals in Greenhouses, Lath Houses, Shade Houses and Outdoor Nurseries, including Non-Bearing Fruit and Nut Trees

Apply 0.025 to 0.2 lbs. ai/A (5 to 40 fl. ozs.) of Bifenthrin D 7.9SC Insecticide. Provided the maximum label rate (0.2 lbs. ai/A or 40 fl. ozs.) is not exceeded, Bifenthrin D 7.9SC Insecticide can be diluted and applied in various volumes of water. It may also be applied through low volume application equipment by dilution with water or other carriers. Refer to Dilution Chart for specific instructions.

### ORNAMENTAL APPLICATION RATES

Under typical conditions, the application rates in the table below will provide control of the pests listed. However, at the discretion of the applicator, Bifenthrin D 7.9SC Insecticide may be applied at up to 0.2 lbs. ai/A (40 fl. ozs.) to control the pests listed in this table.

Pest	Application Rate Bifenthrin D 7.9SC Insecticide	
	Lbs.Ai/A	Fl. Ozs.Per Acre
Aphids, Bagworms <sup>1</sup> , Cutworms, Elm Leaf Beetles, Fall Webworms, Lace Bugs, Leaf Feeding Caterpillars, Plant Bugs (Including <i>Lygus spp.</i> ), Tent Caterpillars	0.025-0.05	5-10
Beet Armyworm, Black Vine Weevil (Adults), Brown Soft Scales, Broad Mites, Budworms, California Red Scale (Crawlers) <sup>2</sup> , Citrus Thrips, Clover Mites, Crickets, Diaprepes (Adults), Earwigs, European Red Mite, Flea Beetles, Fungus Gnats (Adults), Grasshoppers, Gypsy Moth Caterpillars, Leafhoppers, Leafrollers, Mealybugs, Millipedes, Mites, Orchid Weevil, Pillbugs, Pine Needle Scales (Crawlers) <sup>2</sup> , San Jose Scales (Crawlers) <sup>2</sup> , Sowbugs, Spider Mites, Spiders (excluding brown recluse and black widow spiders), Thrips, Tip Moths, Twig Borers <sup>2</sup> , Weevils, Whiteflies	0.05-0.1	10-20
Ants (excluding carpenter and harvester ants), Japanese Beetle (Adult), Leafminers, Pecan Leaf Scorch Mite, Pine Shoot Beetle (Adults)	0.1-0.2	20-40

<sup>1</sup>**Bagworms:** For optimum control treat when larvae have started to hatch and are young, directing spray to contact as many larvae as possible.

<sup>2</sup>**Scale Crawlers and Twig Borers:** Apply to plant foliage; also treat trunks, stems, and twigs.

Treat a small number of plants and observe for one week to determine if certain cultivars are sensitive to the final spray solution.

-Apply with ground equipment only.

- **DO NOT** apply when wind direction favors downwind drift towards near-by water bodies.

- **DO NOT** apply when wind velocity exceeds 10 mph.

-Avoid application when wind gusts approach 10 mph.

- **DO NOT** apply when a temperature inversion exists.

-Apply using the largest nozzle size compatible with adequate coverage.

- **DO NOT** apply if rain is expected within 4 hours (or whatever time is necessary for the spray to dry).

- **DO NOT** apply by ground equipment within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds.

- **DO NOT** apply within 150 feet of aquatic areas when treating tall trees (>15 feet) from the ground with high pressure sprays or during any

application with air assisted equipment (mist blower).

### LARVAL CONTROL IN POTTING MEDIA OF CONTAINERIZED PLANTS

PRETENTATIVE TREATMENT			
PEST	APPLICATION TYPE	TREATMENT with BIFENTHRIN D 7.9SC Insecticide	REMARKS
Black Vine Weevil Larvae	Topical Drench	Use at the rate of 10 to 40 fl. ozs. (0.05 to 0.2 lb./Al) per 100 gallons and apply as a drench at the rate of 4 to 8 fl. ozs. of finished spray per 6" (diameter) container.  Treat the media to the point of saturation, which normally requires 1/5 the volume of the container.	10 fl. ozs. of Bifenthrin D 7.9SC Insecticide per 100 gallons and applying 8 fl. ozs. of finished spray per 6" (diameter) container will provide control for one growing season when the application is made in the spring.  20 to 40 fl. ozs. of Bifenthrin D 7.9SC Insecticide per 100 gallons and applying 8 fl. ozs. of finished spray per 6" (diameter) container will provide control for two growing seasons when the application is made in the spring.  Use a proportional volume of finished spray for containers less than or greater than 6" indiameter.
White Grubs - Japanese beetle - Oriental beetle European chafer	Topical Drench	Use at the rate of 40 to 80 fl. ozs. (0.2 to 0.4 lb. Al) per 100 gallons and apply as a drench at the rate of 4 to 8 fl. ozs. of finished spray per 6" (diameter) container.  Treat the media to the point of saturation, which normally requires 1/5 the volume of the container.	Use the higher labeled application rate for a longer period of control.  Use a proportional volume of finished spray for containers less than or greater than 6" indiameter.
Black Vine Weevil Larvae and White Grub	Media Incorporation	Incorporate the appropriate volume of Bifenthrin (see table below) per cubic yard of potting media by diluting it in water (typically 1 quart to 1 gallon per cubic yard of media) and sprinkling or spraying it onto the media.	Use the higher labeled application rates for longer periods of control.
Fungus Gnat Larvae	Topical Drench	Use at the rate of 20 to 40 fl. ozs. (0.1 to 0.2 lb. Al) per 100 gallons and apply as a drench at the rate of 4 to 8 fl. ozs. of finished spray per 6" (diameter) container.  Treat the media to the point of saturation, which normally requires 1/5 the volume of the container.	Use a proportional volume of finished spray for containers less than or greater than 6" indiameter
Root Weevil Larvae	Bare-root Treatment	Use at the rate of 1 gallon in 100 gallons of water and treat the bare roots of plants that are being transplanted into the field. Either dip the roots into the insecticide solution for ten seconds or spray the insecticide solution onto the roots.	

Potting Media Bulk Density (lbs. per cubic yard)	Fl. Ozs. of Bifenthrin D 7.9SC Insecticide in one cubic yard			
	10 PPM	15 PPM	20 PPM	25 PPM
200	0.4	0.6	0.8	1.0
300	0.6	0.9	1.2	1.5
400	0.8	1.2	1.6	2.0
500	1.0	1.5	2.0	2.5
600	1.2	1.8	2.4	3.0
700	1.4	2.1	2.8	3.5
800	1.6	2.4	3.2	4.0
900	1.8	2.7	3.6	4.5
1000	2.0	3.0	4.0	5.0

The application rates in the table above are based on the dry bulk density of the potting media. For potting media with dry bulk densities not listed above, use proportional volumes of Bifenthrin D 7.9SC Insecticide.

CURATIVE TREATMENT			
PEST	APPLICATION TYPE	TREATMENT with Bifenthrin D 7.9SC Insecticide	REMARKS
Black Vine Weevil Larvae	Topical Drench	<p>Use at the rate of 10 to 40 fl. ozs. (0.05 to 0.2 lb. AI) per 100 gallons and apply as a drench at the rate of 8 to 16 fl. ozs. of finished spray per 6" (diameter) container.</p> <p>Treat the media to the point of saturation, which normally requires 1/5 the volume of the container.</p>	<p>10 fl. ozs. of Bifenthrin D 7.9SC Insecticide per 100 gallons and applying 8 fl. ozs. of finished spray per 6" (diameter) container will provide control for one growing season when the application is made in the spring.</p> <p>20 to 40 fl. ozs. of Bifenthrin D 7.9SC Insecticide per 100 gallons and applying 8 fl. ozs. of finished spray per 6" (diameter) container will provide control for two growing seasons when the application is made in the spring.</p> <p>Use a proportional volume of finished spray for containers less than or greater than 6" in diameter.</p>
Diaprepes Weevil Larvae	Topical Drench	<p>Use at the rate of 10 to 40 fl. ozs. (0.05 to 0.2 lb. AI) per 100 gallons and apply as a drench at the rate of 8 to 16 fl. ozs. of finished spray per 6" (diameter) container.</p> <p>Treat the media to the point of saturation, which normally requires 1/5 the volume of the container.</p>	<p>Use the higher labeled application rate for a longer period of control.</p> <p>Use a proportional volume of finished spray for containers less than or greater than 6" in diameter.</p>
Fungus Gnat Larvae	Topical Drench	<p>To control fungus gnat larvae infesting containerized plants, dilute Bifenthrin D 7.9SC Insecticide at the rate of 10 to 40 fl. ozs. (0.05 to 0.2 lbs. AI) per 100 gallons and apply as a drench at the rate of 8 to 16 fl. ozs. of finished spray per 6" (diameter) container.</p> <p>Treat the media to the point of saturation, which normally requires 1/5 the volume of the container.</p>	<p>Use the higher labeled application rates for longer periods of control.</p> <p>Use a proportional volume of finished spray for containers less than or greater than 6" in diameter.</p>

### TURF (GOLF COURSES AND SOD FARMS)

**Sod Farms** is an agricultural use falling within the scope of the Worker Protection Standards for agricultural pesticides (40 CFR Part 170).

**DO NOT** use this product on Golf Courses and Sod Farms in Nassau County or Suffolk County, New York.

**In New York State, this product may NOT be applied to any grass or turf area within 100 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).**  
**In New York State, do make a single repeat application of Bifenthrin D 7.9SC Insecticide if there are signs of renewed insect activity, but not sooner than two weeks after the first application.**

Bifenthrin D 7.9SC Insecticide may be applied as a surface or sub-surface treatment. To get uniform coverage when treating dense and/or long turf foliage use application volumes of up to 10 gallons per 1000 sq. feet.

For low volume applications (less than 2 gallons/1000 square feet): Irrigate the treated area with at least 0.25 inches of water immediately following treatment to ensure control of sub-surface pests including, but not limited to, Mole Crickets.

## APPLICATION RATES

### TURF (Golf Courses and Sod Farms)

Under typical conditions, the application rates listed in the table below will provide control of the pests that are listed. During periods of high pest pressure or for maximum residual control, Bifenthrin D 7.9SC Insecticide can be applied at up to 0.1 lb. ai/A (20 fl. ozs.) for most pest or 0.2 lb. ai/A (40 fl. oz.) for ants and mole crickets).

Pest	Active Ingredient lbs. per acre	Application Rate Bifenthrin D 7.9SC Insecticide	
Armyworms <sup>1</sup> , Cutworms <sup>1</sup> , Sod Webworm <sup>1</sup>	0.05 lbs. ai per acre	10 fl. oz. per acre	0.25 fl. oz. per 1000 sq. ft.
Annual Bluegrass Weevil (Hyperodes)(Adult) <sup>2</sup> , Ants (excluding carpenter and harvester ants), Billbugs (Adult) <sup>3</sup> , Black Turfgrass Ataenius (Adult) <sup>4</sup> , Chinch Bugs <sup>5</sup> , Crickets, Earwigs, Grasshoppers, Leafhoppers, Mealybugs, Millipedes, Mites <sup>6</sup> , Mole Cricket (Adult) <sup>7</sup> , Mole Cricket (Nymph) <sup>8</sup> , Pillbugs, Sowbugs	0.05-0.1 lbs. ai per acre	10-20 fl. oz. per acre	0.25-0.5 fl. oz. per 1000 sq. ft.
Ants (excluding carpenter and harvester ants), Japanese Beetle (Adult)	0.1 lbs. ai per acre	20 fl. oz. per acre	0.5 fl. oz. per 1000 sq. ft.
Ants (excluding carpenter and harvester ants), Mole Crickets	0.2 <sup>9</sup> lbs. ai per acre	40 <sup>9</sup> fl. oz. per acre	1 fl. oz. <sup>9</sup> per 1000 sq. ft.

<sup>1</sup>**Armyworms, Cutworms, and Sod Webworms:** Postpone irrigation or mowing for 24 hours following application to obtain the best possible control. Higher labeled treatment rates (up to 0.1 lb. ai/A or 20 fl. ozs. of Bifenthrin D 7.9SC Insecticide) may be necessary if high pest pressure exists and if the turf area is maintained at a height taller than 1 inch.

<sup>2</sup>**Annual Bluegrass Weevil (Hyperodes) adults:** Treatment of this species should be timed as they travel into grass areas and away from their overwintering sites. Travel usually begins when *Forsythia* is in full bloom and ends when *Cornus florida* (flowering dogwood) is in full bloom. For additional detailed information regarding treatment timing, check with your State Cooperative Extension Service.

<sup>3</sup>**Billbug Adults:** Make treatment of adult billbugs when they are first noticed in April and May. To optimize treatment timing, degree day models have been developed. For detailed information particular to your region, check with your State Cooperative Extension Service. Spring treatments for billbug adults will also offer control of overwintered chinch bugs in temperate climates.

<sup>4</sup>**Black Turfgrass Ataenius adults:** In order to control the 1<sup>st</sup> and 2<sup>nd</sup> generation of black turfgrass ataenius adults, respectively, treatments should take place in May and July. Time the May treatment to match with the fullbloom stage of *Vanhoutte spiraea* (*Spiraea vanhoutte*) and horse chestnut (*Aesculus hippocastanum*). Time the July treatment to match with the blooming Rose of Sharon (*Hibiscus syriacus*).

<sup>5</sup>**Chinch Bugs:** Mostly found in the thatch layer, chinch bugs infest the base of turf plants. In order to optimize the penetration of the insecticide to location of the chinch bugs, irrigation of the turf prior to treatment may be necessary. If a long mowing height is being maintained or if the thatch layer is excessive, use higher volume treatments. It may be necessary to use higher labeled application rates (up to 0.1 lb. ai/A or 20 fl. ozs. of Bifenthrin D 7.9SC Insecticide) to control populations made up of both adults and nymphs in mid-summer.

<sup>6</sup>**Non-biting Mites:** Apply Bifenthrin D 7.9SC Insecticide in combination with a labeled rate of a surfactant to achieve optimal control of eriophyidmites. A second application may be needed 5 to 7 days after the first to ensure optimal control.

<sup>7</sup>**Mole Cricket adults:** Because preferred turf areas are subject to constant invasion during the early spring by this very active stage, it is difficult to attain suitable control of adult mole crickets. Apply as late in the day as possible and should be watered in with up to 0.5 inches of water immediately following treatment. To bring the mole crickets closer to the soil surface where contact with the insecticide will be maximized, it is imperative to irrigate prior to application if the soil is not moist. To obtain optimum control of subsequent nymph populations (see below), treat turf areas that receive pressure from adult mole crickets at peak egg hatch.

<sup>8</sup>**Mole Cricket nymphs:** Treat those turf areas that are hit with intense adult mole cricket pressure in the spring right before peak egg hatch. Young nymphs are more vulnerable to insecticides at this time because they are close to the soil surface where the insecticide is most concentrated therefore, the greatest amount of control is reached. In order to sustain adequate control of larger, more damaging, nymphs later in the year, it may be necessary to use higher labeled application rates more often. It is ideal to treat the areas as late in the day as possible and water immediately after treatment with up to 0.5 inches of water. To get mole crickets nearer to the soil surface where there will be maximum contact, it is necessary to irrigate prior to application if the soil is not moist.

<sup>9</sup>**Note:** A single application of 0.2 lb. ai/acre (40 fl. ozs. of Bifenthrin D 7.9SC Insecticide) may be applied once per year for larger infestations of ants and mole crickets.

-Apply with ground application equipment only (and apply with nozzles not more than two feet above the turf).

- **DO NOT** apply when wind conditions favor downwind drift to nearby water bodies.

- **DO NOT** apply when wind velocity exceeds 10 mph.

-Avoid application when wind gusts approach 10 mph.

- **DO NOT** apply when a temperature inversion exists.

-Apply using nozzles that provide the largest droplet size compatible with sufficient coverage.

-If rain is expected within 4 hours (or whatever time is necessary for the spray to dry), **DO NOT** apply for surface feeding pests.

- **DO NOT** apply by ground equipment within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds.

- **DO NOT** apply when turf areas are water-logged or soil is saturated with water (i.e. will not accept irrigation).

## Storage and Disposal

**DO NOT** contaminate water, food, or feed by storage or disposal. **DO NOT** pour or dispose down-the-drain or sewer. Call your local solid waste agency for local disposal options.

**Pesticide Storage:** Store in original container only. Avoid freezing. Store above 40°F in a dry, secure location and avoid excess heat. Shake well before using. Carefully open containers. After partial use, replace lids and close tightly. In case of leak or spill, use absorbent materials to contain liquids and dispose as waste.

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State pesticide or environmental control agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

### For Containers equal to or less than 5 gallons.

**Container Handling:** Nonrefillable container {plastic}. **DO NOT** reuse or refill this container. Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Triple rinse or pressure 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. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

### For Containers greater than 5 gallons.

**Container Handling:** Nonrefillable container {plastic}. **DO NOT** reuse or refill this container. Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

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.

**For Bulk containers:** 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 re-filler. 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 re-circulate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

Batch Code: \_\_\_\_\_

## WARRANTY DISCLAIMER AND NOTICE

### IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer 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 Aceto Life Sciences, L.L.C. d/b/a Actylis. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, ACETO LIFE SCIENCES, L.L.C. D/B/A ACTYLIS 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 Aceto Life Sciences, L.L.C. d/b/a Actylis is authorized to make any warranties



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**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 ACETO LIFE SCIENCES, L.L.C. D/B/A ACTYLIS'S ELECTION, THE REPLACEMENT OF PRODUCT.

*[Option marketing and non-FIFRA label statements]*

*[All trademarks are the property of their respective owners.]*

*[Made in [Country] [and] [&] [packaged in [USA] [Country]]*

*[Active ingredient made [in] [Country] [,] [formulated] [in Country] [and] [&] [package] [in Country].]*

*[Shake Well Before Using]*

*[Peel Down for Directions]*

*[PEEL BACK BOOK HERE AND RESEAL AFTER OPENING] [  ]*

*[Using {XXXX} delivery technology]*

{LANGUAGE ON LABEL AFFIXED TO CONTAINER}

**Restricted Use Pesticide**  
**Toxic to Fish and Aquatic Organisms**

For retail sale to and use only by certified applicators, or persons under their direct supervision, and only for those uses covered by the certified applicator's certification

**BIFENTHRIN GROUP 3A INSECTICIDE**

# Bifenthrin D 7.9SC

## Insecticide

For Commercial Non-Food Use on Indoor and Outdoor Ornamentals,  
Greenhouses, Nurseries, and Turf on Golf Courses and Sod Farms.

### For Both Outdoor and Indoor Use

Active Ingredient:	By Wt.
Bifenthrin*.....	7.9%
Other Ingredients.....	92.1%
<b>Total</b>	<b>100.0%</b>

\*Cis isomers 97% minimum, trans isomers 3% maximum.

Bifenthrin D 7.9SC Insecticide contains  $\frac{3}{4}$  pound active ingredient per gallon.

### KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
<b>If swallowed</b>	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• <b>DO NOT</b> induce vomiting unless told to do so by the poison control center or doctor.</li><li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li></ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If inhaled</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
<b>If in eyes</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continuing rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>Note to Physician:</b> This product is a pyrethroid. If large amounts have been ingested, the stomach and intestine should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided	
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or physician or going for treatment. FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT, CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887 (24 Hours per Day, 7 Days per Week).	

FOR CHEMICAL SPILL, LEAK, FIRE, EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887 (24 Hours per Day, 7 Days per Week).



Manufactured for:  
Aceto Life Sciences, L.L.C. d/b/a Actylis  
4 Tri Harbor Court  
Port Washington, NY 11050

EPA Reg. No. 2749-XXX

EPA Est. No.

NET CONTENTS: \_\_\_\_\_ GAL

## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

#### CAUTION

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

#### Personnel Protective Equipment:

Some materials that are chemical-resistant to this product are listed below.

#### Applicators and other handlers (other than mixers and loaders) must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyethylene, polyvinylchloride ≥ 14 mils or viton ≥ 14 mils.
- Shoes plus socks

#### Mixers and Loaders must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyethylene, polyvinylchloride ≥ 14 mils or viton ≥ 14 mils.
- Shoes plus socks
- Protective eyewear

#### [CALIFORNIA SPECIFIC REQUIREMENTS FOR GREENHOUSE APPLICATORS AND HARVESTERS:

In addition to following all applicable precautionary statements on the label, the following is required for greenhouse applicators and harvesters:

**Greenhouse Applicator:** Greenhouse applicators must wear a full body chemical-resistant protective suit (such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyethylene, polyvinylchloride ≥ 14 mils or viton ≥ 14 mils).

**Reapplication Interval:** Reapplications to greenhouses must be at intervals of 30 days or longer.

**Greenhouse Harvesters:** Greenhouse harvesters must wear either regular-length gloves plus a long sleeved shirt or elbow-length (gauntlet type) gloves during the 30 days following application.]

Follow manufacturer's instructions for cleaning/maintaining PPE. If not such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### User Safety Recommendations

##### Users Should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## 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 run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. **DO NOT** contaminate water when disposing of equipment washwaters.

## Non-Target Organism Advisory Statement

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 to drift to blooming crops if bees are visiting the treatment area. **Protect pollinating insects by following label directions intended to minimize drift and to reduce risk to these organisms.**

## Physical or Chemical Hazards

**DO NOT** mix or allow coming in contact with oxidizing agents. Hazardous chemical reaction may occur.

## Storage and Disposal

**DO NOT** contaminate water, food, or feed by storage or disposal. **DO NOT** pour or dispose down-the-drain or sewer. Call your local solid waste agency for local disposal options

**Pesticide Storage:** Store in original container only. Avoid freezing. Store above 40°F in a dry, secure location and avoid excess heat. Shake well before using. Carefully open containers. After partial use, replace lids and close tightly. In case of leak or spill, use absorbent materials to contain liquids and dispose as waste.

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State pesticide or environmental control agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

### For Containers equal to or less than 5 gallons.

**Container Handling:** Nonrefillable container {plastic}. **DO NOT** reuse or refill this container. Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Triple rinse or pressure 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. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

### For Containers greater than 5 gallons.

**Container Handling:** Nonrefillable container {plastic}. **DO NOT** reuse or refill this container. Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

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.

**For Bulk containers:** 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 re-filler. 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 re-circulate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

Batch Code: \_\_\_\_\_

See inside booklet for additional Precautionary Statements and Directions for Use.

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened

### Manufactured For:

Aceto Life Sciences, L.L.C. d/b/a Actylis  
4 Tri Harbor Court  
Port Washington, NY 11050

**EPA Reg. No.: 2749-XXX**

**EPA Est. No.:**

**Net Weight:**

*[Option marketing and non-FIFRA label statements]*

*[All trademarks are the property of their respective owners.]*

*[Made in [Country] [and] [&] [packaged in [USA] [Country]]*

*[Active ingredient made [in] [Country] [,] [formulated] [in Country] [and] [&] [package] [in Country].]*

*[Shake Well Before Using]*