



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:

53883-159

Date of Issuance:

JAN 26 2005

Term of Issuance: Conditional

Name of Pesticide Product:

Bifenthrin 7.9%

NOTICE OF PESTICIDE:

☒ Registration☐ Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Control Solutions, Inc.
5903 Genoa-Red Bluff
Pasadena, TX 77507-1041

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/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

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 sec. 3(c)(7)(A), provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. **Make the following labeling changes:**
 - a) Revise the EPA Registration Number to read "EPA Reg. No. 53883-159"
 - b) Add "Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse." to *Precautionary Statements* section.
 - c) Replace "Inert Ingredients" with "Other Ingredients" in the *Ingredients* section.
3. Please submit two (2) copies of your final printed label for before your release the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing amended labeling constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Signature of Approving Official:

George T. LaRocca, Product Manager (13), IB/RD (7505C)

Date:

January 26, 2005

4. We have received the Child-Resistant Packaging certification and have place it in for review.

If you have any questions regarding this action, please contact BeWanda Alexander of my team at (703) 305-7460.

BIFENTHRIN 7.9 INSECTICIDE**For Agricultural and Commercial Use Only**

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

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

Bifenthrin 7.9 Insecticide contains 2/3 pound active ingredient per gallon.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

(See back/side [attached booklet] for additional precautionary information, First Aid and complete Directions for Use.)

EPA Reg. No. 53883 -
EPA Est. No.

Control Solutions, Inc.
5903 Genoa-Red Bluff Rd.
Pasadena, TX 77507-1041

Net Contents _____

ACCEPTED
with COMMENTS
In EPA Letter Dated
JAN 26 2005
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
53883-159

First Aid	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the Poison Control Center 800-222-1222.	
If swallowed:	<ul style="list-style-type: none"> • 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 on skin or clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled:	<ul style="list-style-type: none"> • 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.
Note to physician: 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.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.

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, nitrile rubber, neoprene rubber, polyvinyl chloride or viton.
- Shoes plus socks.

Mixers and Loaders must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or viton.
- Shoes plus socks.
- Protective eyewear.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately for other laundry.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, and 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. For terrestrial uses, 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.

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.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Do not apply this product through any kind of irrigation system.

AGRICULTURE USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

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

- Coveralls.
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or viton.
- 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 Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep children and pets off treated areas following application until the lawn has dried.

APPLICATION RECOMMENDATIONS

Landscape Ornamentals, Greenhouse and Home Lawn Uses (including interiorscapes, Plantscapes, and Ornamental Plantings Grown for Aesthetic Purpose)

GENERAL APPLICATIONS INSTRUCTIONS

Bifenthrin 7.9 Insecticide formulation mixes readily with water and other aqueous carriers, and may be applied using all types of spray equipment. Bifenthrin 7.9 Insecticide may be tank-mixed with other products, including insect growth regulators, to control a wide spectrum of insects and mites on trees, shrubs, foliage plants, non-bearing fruit and nut trees, and flowers in greenhouses and 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.

When tank mixing Bifenthrin 7.9 Insecticide with other products, observe all precautions and limitations on each separate product label. The addition of spreader stickers is not necessary.

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 this product if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

**RECOMMENDED APPLICATION RATES FOR LANDSCAPE ORNAMENTALS AND
GREENHOUSES**

Pest	Rate lb. ai/10 gal.	Rate oz/10 gal.	Comments
Ants Aphids Bagworms Blackvine Weevil Brown Soft Scales Broad Mites Budworms California Red Scale (crawlers) Centipedes Clover Mites Crickets Cutworms Earwigs Elm Leaf Beetles Fall Webworms Flea Beetles Fungus Gnats Grasshoppers Lacebugs Leafhoppers Leaf feeding Caterpillars Mealybugs Millipedes Orchid Weevil Pillbugs Pine Needle Scales (crawlers) Plant Bugs (Incl. Lygus spp) San Jose Scales (crawlers) Sowbugs Spiders Tent Caterpillars Tip Moths Weevils Whiteflies	0.004 to 0.02	0.80 to 4.0	<p>Apply the specified rate as a full coverage foliar spray. Repeat as necessary to achieve control using higher rates as pest pressure and foliage area increases.</p> <p>To control Bagworm: Apply when larvae begin to hatch. Spray larvae directly. Applications made when larvae are young will be most effective.</p> <p>To control scale crawlers and twig borers: Treat trunks, stems, and twigs in addition to plant foliage.</p> <p>Certain cultivars may be sensitive to the final spray solution. A small number of plants should be treated prior to application of the entire planting.</p> <p>Use of an alternate class of chemistry in a treatment program is recommended to prevent or delay pest resistance.</p>
Citrus Thrips Beet Armyworm European Red Mite Leafrollers Spider Mites Thrips Twig Borers	0.006 to 0.02	1.2 to 4.0	
Japanese Beetles (adult) Leafminers Pecan Leaf Scotch Mite	0.01 to 0.02	2.0 to 4.0	

Rate Bifenthrin 7.9 Insecticide in oz. (lbs. a.i.)/10 gals.	Bifenthrin 7.9 Insecticide				
	1 gal.	3 gal.	5 gal.	25 gal.	100 gal.
0.80 (0.004)	-	1/4	1/2	2	8
1.2 (0.006)	1/8	1/3	2/3	3	12
2.0 (0.010)	1/4	2/3	1	5	20
4.0 (0.020)	1/2	1 1/3	2	10	40

Application to Home Lawns: Apply Bifenthrin 7.9 Insecticide as a broadcast treatment in 2 to 10 gallons of carrier per 1000 ft². Use higher volumes to get uniform coverage when treating dense grass foliage.

RECOMMENDED LAWN APPLICATION RATES

RECOMMENDED ENVIRONMENTAL RATES		
Pest	Bifenthrin 7.9 Insecticide	Comments
Ants	0.23 – 0.46 oz. per 1000 ft ²	*For control of overwintered Mole Crickets apply the lower rate early Spring. For the control of adult Mole Crickets late-Summer or early Fall apply the higher rate.
Armyworms	or	
Bluegrass billbugs	10 – 20 oz. per Acre	To enhance control a non-ionic surfactant or a silicon based surfactant (0.25% w/v) may be applied as a tank-mix for the control of late Summer or Fall Adult Mole Crickets. For best results irrigate immediately after application with a minimum of 0.25 inches of water.
Chinchbugs		
Crane Flies		
Crickets (Mole)*		
Cutworms	or	
Earwigs		
Fall Webworms	0.05 – 0.1	
Fleas	lbs. ai per Acre	
Grasshoppers		
Mites		
Sod Webworms		
Ticks		
Imported Fire Ants	0.46 – 0.92 oz. per 1000 ft ²	
Japanese Beetles (adult)	or	
	20 – 40 oz. per Acre	

STORAGE AND DISPOSAL

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

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.

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.

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 Regional Office for guidance.

Container Disposal: Plastic Container: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call 1-800-424-9300 (CHEMTREC).

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control of Control Solutions, Inc. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Control Solutions, Inc. and Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. CONTROL SOLUTIONS, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or Control Solutions, Inc., and buyer assumes the risk of any such use.

To the extent allowed by law Control Solutions, Inc. or seller not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF

CONTROL SOLUTIONS, INC. AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF CONTROL SOLUTIONS, INC. OR SELLER, THE REPLACEMENT OF THE PRODUCT.

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

(EPA submit 09-29-04)