



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON D C 20460

OFFICE OF  
PREVENTION PESTICIDES AND  
TOXIC SUBSTANCES

August 30, 2012

Lisa Adamson  
Regulatory Specialist  
Control Solutions, Inc  
5903 Genoa-Red Bluff  
Pasadena, TX 77507-1041

Subject Amendment – Adding Optional Marketing Claims  
Bifen 0.3% Concentrate  
EPA Registration Number 53883-228  
Date of Submission August 29, 2012

Dear Ms Adamson

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. Revise the following claims as follows
  - Replace "Kills on Contact" with "Kills by Contact"
  - Replace "Repels and Kills Insects" with "Repels and Kills listed Insects"
  - Replace "Kills on Contact, and continues killing for up to 6 weeks" with "Kills by Contact, and continues killing for up to 6 weeks"
  - Replace "Kills Insects, Spiders and [&] Ticks" with "Kills listed Insects, Spiders and [&] Ticks"
  - Replace "Four [4] month control [of] [Roaches][Insects][Ants] indoors" with "Four [4] month control [of] [Roaches][listed Insects][Ants] indoors"
2. Under the heading *FOR OUTDOOR USE*, delete the sub-heading "GENERAL INFORMATION"

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

Sincerely,



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

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MASTER LABEL  
Optional Marketing Language  
Updated Storage and Disposal

Notif for added marketing language

[BRACKETED TEXT [ ] OPTIONAL]

# Bifen 0.3% Concentrate

## Indoor & Outdoor Insect Killer

ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
AUG 30 2012  
Under the Federal Insecticide  
Fungicide and Rodenticide Act  
as amended for the pesticide  
registered under EPA Reg No  
53883-228

- Kills on Contact
- Fast knockdown
- Repels and Kills Insects
- Kills Mosquitoes[ that May Transmit West Nile Virus], Deer Ticks and other listed pests
- Kills Ticks that May Transmit Lyme Disease
- Kills fleas, ticks, mosquitoes, ants, aphids, mites, caterpillars, beetles, sod webworms, chinch bugs, and mole crickets]
- Kills on Contact, and continues killing for up to 6 weeks]
- Makes up to [ 21] gallons [32 oz container size[for outdoor use]
- Makes up to [ 1 5] gallons [32 oz container size[for indoor ]
- Controls listed insects for up to 6 weeks
- For use on lawns, [trees], [shrubs], [roses], [ornamentals], [around house foundations]

### [Outdoor use marketing statements

- For use outdoors to kill aphids, mites, caterpillars, beetles, whiteflies, sod webworms, chinch bugs, mole crickets, ants, fleas, and ticks, mosquitoes
- Outdoor pest control lasts for up to 6 weeks
- Covers up to 2667 sq ft ]

### [Indoor marketing statements

- For use indoors to control Ants, Fleas, Flies (including Houseflies), Mosquitoes, Moths, Roaches, Earwigs, Silverfish Spiders, Ticks, and other listed insects
- Kills Insects, Spiders and [&] Ticks
- Does Not Stain
- Four [4] month control [of] [Roaches][Insects][Ants] indoors]

### For residential use only

#### Active Ingredient

Bifenthrin*	0.3%
Other Ingredients	99.7%

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

KEEP OUT OF REACH OF CHILDREN

#### CAUTION

See back panel booklet for additional precautionary statements

Net Contents 32 FL OZ (1 QT) 946 mL

[OPEN

Resealable Label for Directions & Precautions

PRESS TO RESEAL (Placed on base of label )]

### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling

Food utensils such as spoons and measuring cups must not be used for food purposes after use with pesticides

Do not allow children and pets into the treated area until spray has dried

1 Tablespoon (Tbs) = 3 teaspoons (tsp) 1 fl oz = 2 Tbs 4 fl oz = 1/2 cup

### **FOR OUTDOOR USE**

#### **GENERAL INFORMATION**

**Bifen 0 3% CONCENTRATE** is an insecticide that kills insect/pests that damage roses, flowers, shrubs, fruit trees, vegetable gardens and lawns Bifen 0 3% CONCENTRATE can also be sprayed around foundations, to keep insect/pests out of the home Bifen 0 3% CONCENTRATE kills listed insect/pests Ants (including carpenter ant, and argentine ant), Aphids, Caterpillars, Chinch bugs, Fleas, Mole crickets, Mosquitoes, Ticks, Whiteflies and other listed lawn & garden insects/pests

#### **FOR USE ON**

- Lawns
- Trees, roses, shrubs flowers and other ornamentals
- Listed garden vegetable and fruit trees
- Around house foundations, porches, patios and stored lumber
- Around outdoor residential pet areas dog houses and fenced dog runs

#### **SHAKE WELL BEFORE USING**

### **LAWNS**

**Bifen 0 3% CONCENTRATE** kills Ants (including carpenter and Argentine), Armyworms, Black Turf Ataenius, Chinch bugs, Cockroaches, Crickets, Cutworms, Earwigs, Fleas, Greenbugs (aphids), Grasshoppers, Lawn moths (Sod webworms), Millipedes, Mole crickets, Mosquitoes, Non-poisonous spiders, Sowbugs, Spittlebugs, Ticks (Brown dog and Deer ticks which may transmit Lyme Disease), Weevils (including billbugs and annual bluegrass) on Bentgrass, Bermuda grass, Bluegrass Fescue, Irish Moss, Merion and St Augustine lawns

## APPLICATION INSTRUCTIONS

Apply when insects first appear or when lawn damage is first noticed. Repeat applications should be made only as directed to maintain control. Wait 4 to 6 weeks between applications.

- 1 Thoroughly wet down grass a few hours before application. Apply when lawn is no taller than 3 inches.
- 2 Measure the area to be treated. Calculate the square footage by multiplying length times width.
- 3 Spray evenly over the measured area, treating the entire lawn.
- 4 For best control of surface insects, delay additional watering or mowing for 24 hours after application.

### Note

- For control of carpenter ants, spray 1.5 fl oz per gallon evenly over 65 sq ft.
- Mosquitoes coming to rest on treated areas will be killed for varying periods of time after application, depending on exposure of treated areas to weathering conditions.

## APPLICATION RATES

### 1 Tank Sprayer

- Use 1.5 fl oz (3 Tbs) per gallon of water to be sprayed over 125 sq ft.

### 2 Dial Type Sprayer

- Set dial to 1.5 fl oz.
- Add 6 fl oz to sprayer jar.
- **DO NOT** add water.
- Attach hose to the sprayer.
- Spray evenly over 500 sq ft until jar is empty.

### 3 Non-Dial Type Hose End Sprayer

- Add 1.5 oz to the sprayer jar.
- Fill jar with water to the 1 gallon mark.
- Attach jar to sprayer head and shake well.
- Attach sprayer to the hose, turn on water, and spray.

## TREES, ROSES, SHRUBS, FLOWERS and OTHER ORNAMENTALS

**Bifen 0.3% CONCENTRATE** kills Aphids, Armyworms, Bagworms, Black vine weevil, Budworms, Cicadas, Citrus black flies, Elm leaf beetles, Elm spanworms, Fall cankerworms, Fall webworms, Flea beetle, Gypsy moth, Hornets, Inchworms, Lacebug, Leafhopper, Leafminers, Leafrollers, Mealybugs, Mites (clover, spruce, spider), Needle scales, Oakworms, Pine beetles, Pine moths, Pine needleminers, Plantbugs, Sawfly, Spittlebugs, and Wasps on Ageratum, Astor, Arizona Cypress, Azalea, Begonia, Birch, Coleus, Common Ninebark and Snowberry, Conifers, Elm, English Ivy, Euonymus, Exacum, Weeping fig, Fir, Gladiolus, Gold Bells, Honeysuckle, Hypoestes, Ivy, Lilac, Marigold, Mock-orange, Nannyberry, Oak, Orchid, Palm, Pansy, Pea Shrub, Petunia, Philodendron, Pine, Poinsettia, Rhododendron, Rose, Snapdragon, Taxus, Tulip Poplar and Zinnia.

## APPLICATION INSTRUCTIONS

Apply when insects first appear. Spray to thoroughly cover upper and lower leaf surfaces, stems, and branches. Penetrate dense foliage. When treating potted plants also lightly spray the soil surface. Spray when air is calm to avoid drift. Application should be made at temperatures between 50°F and 75°F. Spray in the early morning or late afternoon when it is cooler, if temperatures will exceed 85°F. Apply as needed, waiting 7 to 14 days between each application.

### Note

- Hard to control insects/pests may require 2 to 3 applications
- Mosquitoes coming to rest on treated areas will be killed for varying periods of time after application, depending on exposure of treated areas to weathering conditions

## APPLICATION RATES

### 1 Tank Sprayer

- Use 1.5 fl oz (3 Tbs) per gallon of water

### 2 Dial Type Sprayer

- Set dial to 1.5 fl oz
- Pour **Bifen 0.3% CONCENTRATE** into jar to full or ½ full
- **DO NOT** add water
- Attach hose to the sprayer
- Spray evenly on plants
- Pour unused product back into original container

### 3 Non-Dial Type Hose End Sprayer

- Add 1.5 oz to the sprayer jar
- Fill jar with water to the 1 gallon mark
- Attach jar to sprayer head and shake well
- Attach sprayer to the hose, turn on water, and spray

## HOME VEGETABLE GARDENS, MELONS and/& FRUIT TREES

**Bifen 0.3% CONCENTRATE** kills Aphids, Armyworms, Bagworms, Cutworms, Fall webworm, Flea beetle, Lacebug, Leafhopper, Mites (clover and spruce), and Plantbugs on listed vegetables, melons and/& fruit trees.

## APPLICATION INSTRUCTIONS

Apply when insects/pests first appear as a thorough spray, wetting leaves and branches, but do not let runoff occur. Re-apply as necessary to maintain control waiting at least 7 days between each application. Be sure to follow important limitations for the specific edible plant you are spraying, including the amount of spray which can be applied, the interval between sprays, and the days to wait before harvest.

## APPLICATION RATES

### 1 Tank Sprayer

- Use 1 5 fl oz ( 3 Tbs ) per gallon of water to be sprayed over 125 sq ft

**2 Dial Type Sprayer**

- Set dial to 1 5 fl oz
- Add 6 fl oz to sprayer jar
- **DO NOT** add water
- Attach hose to the sprayer
- Spray evenly over 500 sq ft until jar is empty

**3 Non-Dial Type Hose End Sprayer**

- Add 1 5 oz to the sprayer jar
- Fill jar with water to the 1 gallon mark
- Attach jar to sprayer head and shake well
- Attach sprayer to the hose, turn on water, and spray

VEGETABLES AND FRUITS*	DAYS TO WAIT TO HARVEST
Tomatoes, Strawberries, Citrus, Corn (sweet)	1
Caneberries, Raspberries, Succulent peas and beans, Cucurbits (cucumber, gourds, muskmelon, pumpkin, squash, watermelon)	3
Artichoke	5
Brassicas(broccoli, Chinese broccoli, cabbage, cauliflower, kohlrabi, Chinese mustard), Eggplant, Head lettuce, Peppers (bell and non-bell), Walnut	7
Pears	14
Pecans	21

\*Not registered for use in CA unless accompanied by supplemental labeling

**AROUND HOUSE FOUNDATIONS, PORCHES, PATIOS, STORED LUMBER**

**Bifen 0 3% CONCENTRATE** kills ants (including carpenter ants, lasius, Argentine), centipedes, crickets, earwigs, millipedes and ticks (American, deer tick, brown dog tick) around house foundations, porches, patios, wood piles and stored lumber

**DO NOT TREAT FIREWOOD**

**APPLICATION INSTRUCTIONS**

To keep insects/pests from entering the house, use a hose-end or tank sprayer to spray a 2 foot band of soil around the house next to the foundation. Also spray the foundation of the house to a height of 2 feet. Repeat application every 14 days if necessary.

**Note**

- To control **carpenter ants** spray 1 5 fl oz per gallon evenly over 65 sq ft

## APPLICATION RATES

### 1 Tank Sprayer

- Use 1.5 fl oz ( 3 Tbs ) per gallon of water to be sprayed over 32 linear feet (125 sq ft )

### 2 Dial Type Sprayer

- Set dial to 1.5 fl oz
- Add 6 fl oz to sprayer jar
- **DO NOT** add water
- Attach hose to the sprayer
- Spray evenly over 500 sq ft until jar is empty

## FLEAS AND TICKS (including ticks that may transmit Lyme Disease)

**Bifen 0.3% CONCENTRATE** may be used to treat infested outdoor residential areas around doghouses and fenced dog runs where pests may be present. All bedding and toys must be removed before treatment of the pet area. Old bedding of pets must be removed and replaced with clean bedding.

Do not apply when pets are present. Do not allow pets back into the area until spray has completely dried.

### Note

- **Do not spray animals.** To control the source of flea infestation, pets must be treated with a product registered for application to animals.

### Ants

Apply directly to ants and ant trails.

## APPLICATION THROUGH A HOSE END READY-TO-SPRAY CONTAINER

This method of application is fast, easy and convenient. Apply to [roses, flowers,] lawns, shrubs, fruit trees, vegetable gardens and around house foundations (perimeter treatment).

## APPLICATION INSTRUCTIONS

- 1 Connect sprayer to hose and turn on the water.
- 2 Extend the hose out and away from the water faucet so that walking on the treated area will be minimized.
- 3 Point the nozzle in the direction you want to spray, then bend small plastic tab back and turn knob clockwise to ON position.
- 4 Follow **APPLICATION INSTRUCTIONS** for each use appearing on this label.

### After application

- 1 Bend small plastic tab back and turn knob counter-clockwise to OFF position.
- 2 Turn the water off.
- 3 To relieve the water pressure and drain the hose, bend the plastic tab back and turn knob to ON position until the water stops dripping out of the hose. Then, turn knob back to OFF position.]



## **FOR INDOOR USE**

**Bifen 0 3% CONCENTRATE** kills listed insect/pests Ants (including carpenter ants, Asian Ladybird Beetle, Harvester Ants, Foraging Fire Ants), Carpet Beetles, Fleas, Flies (including Houseflies), Mosquitoes, Moths, Confused Flour Beetle, Granary Weevil, Indian Meal Moth, Red Flour Beetle, Rice Weevil, Sawtoothed Grain Beetle, Roaches, Scorpions, Silverfish, Spiders (including Black Widow, Brown Recluse, Hobo & Daddy Long Legs), Ticks (including ticks that may transmit Lyme Disease) **For Spot and Crack and Crevice Treatment Only**  
**Do Not Apply As a Broadcast Application or Space Spray**

### **FOR USE ON HOME SURFACES INCLUDING**

- On floors, floor coverings (rugs, carpets, tile, vinyl & wood) and baseboards
- In cupboards, pantries, garages, basements or attics
- Around and under sinks, cabinets, stoves, refrigerators, and plumbing
- In cracks and crevices in walls

### **SHAKE WELL BEFORE USING**

### **APPLICATION INSTRUCTIONS**

Before using, cover or remove exposed food (including pet food) Cover all food processing surfaces and utensils Hold sprayer 12 inches from surfaces being treated Apply a 4 inch band along the surfaces being treated Spray until slightly wet without soaking

#### **Note**

- People and pets may re-enter treated area after sprays have dried
- Thoroughly wash all food processing surfaces and utensils with soap and water before reuse
- Repeat treatment as needed, at not less than 4 month intervals

### **APPLICATION RATES**

#### **1 Pump-Up Sprayer**

- Add 21 fl oz to an empty 1 gallon sprayer Slowly fill with 107 fl oz of clean tap water  
[Add 16 fl oz to an empty 1 gallon sprayer Slowly fill with 82 fl oz of clean tap water]

#### **2 Pull-Type Sprayer**

- Remove sprayer and hose from side carrier
- Insert plug at end of hose into spout cap pushing until it clicks
- Flip up spout
- Point sprayer away from body, holding by the handle
- Slowly pull ring at bottom of sprayer handle until it stops
- Adjust the nozzle to appropriate spray pattern
- Press and hold button on sprayer to begin spraying
- Pull ring at sprayer bottom as needed to continue spraying

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### Fleas and Ticks (including ticks that may transmit Lyme Disease)

**Bifen 0 3% CONCENTRATE** may be used to spot treat infested listed areas around pet resting quarters, floors/floor coverings (rugs, carpet, tile, vinyl, and wood) where pests may be present. Old bedding of pets must be removed and replaced with clean, fresh bedding after treatment of the pet area.

#### Note

- **Do not spray animals** To control the source of flea infestation, pets must be treated with a product registered for application to animals.

Do not apply when pets are present. Do not allow pets back into the area until spray has completely dried.

#### Ants

Apply directly to ants and ant trails.

#### STORAGE AND DISPOSAL

Keep from freezing. Keep pesticide in original container. Do not put into food or drink containers. Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage** Store in cool, dry area away from children and domestic animals.

**Disposal If empty** Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Do not rinse unless required for recycling. If recycling is not available then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**If partly filled** Call your local solid waste agency for disposal instructions. Unless otherwise instructed, place in trash. Never pour unused product down the drain or on the ground.

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS & DOMESTIC ANIMALS

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

#### 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 a 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 mouth-to-

	mouth if possible Call a poison control center or doctor for further treatment advice
<b>If on skin or clothing</b>	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
<b>If in eyes</b>	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
Have the product container or label with you when calling a poison control center or doctor, or going for treatment You may also contact SafetyCall® International (866) 897-8050 for emergency medical treatment information	
Note to Physician Emergency Information call [enter phone number]	

**ENVIRONMENTAL HAZARDS** This pesticide is extremely toxic to fish and aquatic invertebrates To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters, and surface waters Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas 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 plants Do not apply this product or allow it to drift to blooming plants if bees are visiting the treatment areas

**PHYSICAL OR CHEMICAL HAZARDS** Do not apply this product in or on electrical equipment due to the possibility of shock hazard

**NOTICE** Buyer assumes all risks of use, storage or handling of this product not in accordance with directions

#### WARRANTY

Read the entire Directions for Use and Warranty before using this Product By using this product, user or buyer accepts the following warranty  
[[The directions for use of this product are believed to adequate and must be followed carefully It is impossible to eliminate all risks associated with the use of this product Unintended consequences may result because of unknown factors All such risks shall be assumed by the user or buyer ]]

Control Solutions Inc is committed to providing high quality products To the extent consistent with applicable law, Control Solutions Inc makes no warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label To the extent consistent with applicable law, Control Solutions Inc, the manufacturer, or the Seller shall not be liable for indirect, special, incidental or consequential damages To the extent consistent with applicable law, the exclusive remedy of the user or buyer shall not exceed the purchase price paid ]

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Manufactured by  
Control Solutions, Inc  
5903 Genoa-Red Bluff  
Pasadena, TX 77507

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