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

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

March 31, 2010

Don O'Shaughnessy
Control Solutions, Inc.
5903 Genoa - Red Bluff
Pasadena, TX 77507

Subject: Amendment - Adding Claims
Bifen 0.3% Concentrate
EPA Reg. No. 53883-228
Your submission dated February 4, 2010 & March 19, 2010

Dear Mr. O'Shaughnessy:

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. Delete the claim "Controls over 150 listed insects". This claim implies a greater range of effectiveness than labeled. The claims must be limited to those pests listed on the label.
2. Make the following revisions in the **FOR OUTDOOR USE** section:
 - a. Replace "Bifen 0.3% CONCENTRATE kills insect/pests such as Ants (including carpenter ant ... etc)" with "Bifen 0.3% CONCENTRATE kills listed insect/pests: Ants (including carpenter ant ... etc)".
 - b. Replace "Listed vegetable and fruit trees" with "Listed garden vegetable and fruit trees".
 - c. Replace "Around house foundations, porches, patios, wood piles and stored lumber" with "Around house foundations, porches, patios and stored lumber".

- d. Replace “In and around outdoor residential pet areas such as dog houses and fenced dog runs” with “Around outdoor residential pet areas: dog houses and fenced dog runs”.
3. Replace “Lawn should be no taller than 3 inches at time of application” with “Apply when lawn is no taller than 3 inches” in the LAWNS section.
 4. Make the following revisions in the FLEAS AND TICKS section:
 - a. Replace “Bifen 0.3% CONCENTRATE may be used to treat infested areas such as pet resting quarters and surrounding areas where pests may be present” with “Bifen 0.3% CONCENTRATE may be used to treat infested outdoor residential areas around doghouses and fenced dog runs where pests may be present”.
 - b. Replace “All bedding and toys should be removed before treatment of the pet area” with “All bedding and toys must be removed before treatment of the pet area”.
 - c. Replace “Old bedding of pets should be removed and replaced with clean bedding” with “Old bedding of pets must be removed and replaced with clean bedding”.
 - d. Add “Do not apply when pets are present. Do not allow pets back into the area until spray has completely dried”.
 - e. Replace “To control the source of flea infestation, pets should be treated with a product registered for application to animals” with “To control the source of flea infestation, pets must be treated with a product registered for application to animals”.
 5. Make the following revisions in the FOR INDOOR USE section:
 - a. Replace “Bifen 0.3% CONCENTRATE kills insect/pests such as Ants (including carpenter ants ... etc)” with “Bifen 0.3% CONCENTRATE kills listed insect/pests: Ants (including carpenter ants ... etc)”.
 - b. Replace “Repeat treatment as needed. Re-treatment is recommended at least once per season” with “Repeat treatment as needed not less than 4 months intervals.”
 - c. Replace “Bifen 0.3% CONCENTRATE may be used to spot treat infested areas such as pet resting quarters and surrounding areas of floors/floor coverings (rugs, carpet, tile, vinyl, and wood) where pests may be present” with “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”.

- d. Replace "Old bedding of pets should be removed and replaced with clean bedding" with "Old bedding of pets must be removed and replaced with clean bedding".
- e. Replace "To control the source of flea infestation, pets should be treated with a product registered for application to animals" with "To control the source of flea infestation, pets must be treated with a product registered for application to animals".
- f. Add "Do not apply when pets are present. Do not allow pets back into the area until spray has completely dried".

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

Sincerely,



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

Enclosure

[BRACKETED TEXT [] OPTIONAL]

Bifen 0.3% Concentrate

Indoor & Outdoor Insect Killer

ACCEPTED
with COMMENTS
In EPA Letter Dated
MAR 31 2010
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
53883-028

- 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 over 150 listed insects
- 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 insect/pests such as 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 vegetable and fruit trees
- Around house foundations, porches, patios, wood piles and stored lumber
- In and around outdoor residential pet areas such as 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. Lawn should be no taller than 3 inches at time of application.
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 webworm, 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, kholrabi, 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 areas such as pet resting quarters and surrounding areas where pests may be present. All bedding and toys should be removed before treatment of the pet area. Old bedding of pets should be removed and replaced with clean bedding.

Note:

- **Do not spray animals.** To control the source of flea infestation, pets should 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 insect/pests such as 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. Re-treatment is recommended at least once per season.

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.

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 areas such as pet resting quarters and surrounding areas of floors/floor coverings (rugs, carpet, tile, vinyl, and wood) where pests may be present. Old bedding of pets should 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 should be treated with a product registered for application to animals.

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.
If on skin or clothing:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If in eyes:	Hold eye open and rinse slowly and gently with water for 15-20

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12

	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.]

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

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