



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

EPA Reg. Number:

66222-102

Date of Issuance:

MAR 1 2005

Term of Issuance: **Conditional**

Name of Pesticide Product:

**Bifenthrin SC Flowable
Insecticide/Miticide**

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

**Makhteshim Agan of North America Inc.
551 Fifth Avenue, Suite 1100
New York, NY 10176**

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 you product under FIFRA section 4.
2. **Make the following labeling changes:**
 - a) Revise the EPA Registration Number to read "EPA Reg. No. 66222-102"
 - b) Revise Precautionary Statements as follows:

"Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye irritation. 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, or using tobacco. Remove and wash contaminated clothing before reuse."
 - c) Under Environmental Hazards delete "For terrestrial uses" in the beginning of the second sentence.

Signature of Approving Official:

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

Date:

March 1, 2005

- d) As agreed in letter dated 02/25/2005 this product will be sold only in package sizes of 5 gallons or larger. If you intend to package this product in container sizes less than 5 gallons, CRP will be required.
 - e) Delete "In no case shall MAKTESHIM AGAN of NORTH AMERICA be liable consequential, special, or indirect damages resulting from the use or handling of this product" from the Warranty statement. This statement is overly broad and implies buyer has no legal right to recover damages from manufacturer and is unacceptable under statutory and regulatory standards. We recommend revising it to read "To the fullest extent permitted by law MAKTESHIM AGAN of NORTH AMERICA shall not be liable Etc" or "It is MAKTESHIM AGAN of NORTH AMERICA intention that MAKTESHIM AGAN of NORTH AMERICA shall in no event be liable etc".
 - f) Delete all public health pests from the label, there was no data submitted or cited to support your claim
 - g) Submit to the Agency the results of the one year Storage Stability and Corrosion Characteristics study on completion
 - h) Submit a copy of the product bulletin for use in New York State.
3. Please submit two (2) copies of your final printed label for before your release the product for shipment. Please refer to the A-79 enclosure for a further description of final printed labeling. 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.

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

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Bifenthrin SC Flowable Insecticide/Miticide

For Agricultural and Commercial Use Only

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

*Cis isomers 97% minimum, trans isomers 3% maximum.
This product contains 3/8 pound active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

- | | |
|--------------------------------|--|
| 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 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. |
| IF IN EYES: | <ul style="list-style-type: none"> • Call a poison control center or doctor for further treatment advice. • 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. |
| IF ON SKIN OR CLOTHING: | <ul style="list-style-type: none"> • Call a poison control center or doctor for treatment advice. • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice. |

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-250-9291 for emergency medical treatment information.

NOTE TO PHYSICIAN: This product is a pyrethroid. If large amounts have been ingested, the stomach and intestines should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and should be avoided.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

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

NET CONTENTS: ___ GALLON(S)

ACCEPTED
with COMMENTS
in EPA Letter Dated
MAR 1 2005
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
66222-102

Makhteshim Agan of North America, Inc.
551 Fifth Avenue, Suite 1100
New York, NY 10176

EPA Reg. No. 66222-xxx
EPA Est. No.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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 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. 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 runoff 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 it to drift to blooming crops or weeds while bees are actively 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.

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, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, 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.

NOT FOR USE IN NEW YORK STATE WITHOUT THE PRODUCT BULLETIN FOR BIFENTHRIN SC FLOWABLE INSECTICIDE/MITICIDE.

Chemigation Statement: Do not apply this product through any type of irrigation system.

APPLICATION RECOMMENDATIONS

Landscape Ornamentals, Greenhouse and Home Lawn Uses (Including Interiorscapes, Plantscapes, and Ornamental Plantings Grown for Aesthetic Purposes)

General Application Instructions:

Bifenthrin SC Flowable Insecticide/Miticide mixes readily with water and other aqueous carriers and may be applied using all types of spray equipment. Bifenthrin SC Flowable Insecticide/Miticide 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 SC Flowable Insecticide/Miticide with other products, observe all precautions and limitations on each separate product label. The addition of spreader stickers is not necessary.

RECOMMENDED APPLICATION RATES FOR LANDSCAPE ORNAMENTALS AND GREENHOUSES

Pest	Rate		Comments
	lb. AI/10 gal.	oz./10 gal.	
Ants, Aphids, Bagworms, Blackvine Weevil, Brown Soft Scale, Broad Mite, Budworms, California Red Scale (crawlers), Centipedes, Clover Mite, Crickets, Cutworms, Earwigs, Elm Leaf Beetle, Fall Webworm, Flea Beetle, Fungus Gnats, Grasshoppers, Lacebugs, Leafhoppers, Leaf Feeding Caterpillar, Mealybugs, Millipedes, Orchid Weevil, Pillbugs, Pine Needle Scale (crawlers), Plants bugs (including Lygus spp.), San Jose Scale (crawlers), Sowbugs, Spiders, Tent Caterpillar, Tip Moth, Weevils, Whiteflies	0.004 to 0.02	0.80 to 4.0	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. To control bagworm: Apply when larvae begin to hatch. Spray larvae directly. Applications made when larvae are young will be most effective. To control scale crawlers and twig borers: Treat trunks, stems, and twigs in addition to plant foliage. 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.
Citrus Thrips, Beet Armyworm, European Red Mite, Leafrollers, Spider Mites, Thrips, Twig Borers	0.006 to 0.02	1.2 to 4.0	Use of an alternate class of chemistry in a treatment program is recommended to prevent or delay pest resistance.
Japanese Beetle (adult), Leafminers, Pecan Leaf Scorch mite	0.01 to 0.02	2.0 to 4.0	

Rate Bifenthrin SC Flowable Insecticide/Miticide in oz. (lbs. AI)/10 gals.	Bifenthrin SC Flowable Insecticide/Miticide (fl.oz.)/Gallons of Finished Spray				
	1 gal.	3 gal.	5 gal.	25 gal.	100 gal.
0.80 (0.004)	—	¼	½	2	8
1.2 (0.006)	1/8	1/3	2/3	3	12
2.0 (0.010)	¼	2/3	1	5	20
4.0 (0.020)	1/2	1 1/3	2	10	40

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

RECOMMENDED LAWN APPLICATION RATES

Pest	Bifenthrin SC Flowable Insecticide/Miticide	Comments

Ants, Armyworms, Bluegrass Billbug, Chinchbugs, Crane Flies, Crickets (Mole)*, Cutworms, Earwigs, Fall Webworm, Fleas, Grasshoppers, Mites, Sod Webworm, Ticks	0.23 to 0.46 oz. per 1,000 sq. ft. or 10 to 20 oz. per acre or 0.05 to 0.1 lb. AI per acre	*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. 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 of fall adult mole crickets. For best results, irrigate immediately after application with a minimum of 0.25 inches of water.
Imported Fire Ant, Japanese Beetle (adult)	0.46 to 0.92 oz. per 1000 sq. ft. or 20 to 40 oz. per acre	

STORAGE AND DISPOSAL

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

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

PESTICIDE DISPOSAL: Pesticide wastes are toxic. 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 INFOTRAC: 1-800-535-5093.

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.

WARRANTY STATEMENT

MAKHTESHIM AGAN OF NORTH AMERICA, Inc. warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of MAKHTESHIM AGAN OF NORTH AMERICA, Inc. In no case shall MAKHTESHIM AGAN OF NORTH AMERICA, Inc. be liable for consequential, special, or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. In addition to the foregoing, no purchaser of this product (other than an end user) shall be entitled to any reimbursement for any loss suffered as a result of any suspension or cancellation of the registration for this product by the U.S. Environmental Protection Agency. Except as expressly provided herein, MAKHTESHIM AGAN OF NORTH AMERICA, Inc. makes no warranties, guarantees, or representations of any kind, either expressed or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall be damages not exceeding the purchase price paid for this product or, at MAKHTESHIM AGAN OF NORTH AMERICA Inc.'s election, the replacement of this product.