

**APPROVED**

By haley at 11:18 am, Nov 01, 2018

# Hi-Yield®

## Bug Blaster II Bifenthrin 2.4



**An Easy To Apply Product To Control Listed Wood-Destroying,  
Home-Invading And Lawn Insects**

**FOR OUTDOOR HOMEOWNER POST CONSTRUCTION USE ONLY**

Do not use inside dwellings. For use around existing structures, not for pre-construction use.

**ACTIVE INGREDIENT:**

Bifenthrin\*..... 2.4%

**OTHER INGREDIENTS:**..... 97.6%

**TOTAL:**..... 100.0%

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

**KEEP OUT OF REACH OF CHILDREN**

### CAUTION

See back panel booklet for additional precautionary  
statements and complete Directions for Use.

**NET CONTENTS ONE PINT (16 FL. OZS. / 473 ML)**

Hi-Yield® Bug Blaster II Bifenthrin 2.4

### 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>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</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 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 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 continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**In the event of a medical or chemical emergency, contact ChemTol**   
North America 1-800-255-3924 or Worldwide Intl. + 01- 813-248-0585

**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.

Manufactured By:



230 FM 87 • BONHAM, TEXAS 75418

EPA Reg. No. 53883-178-7401

EPA Est. No. 7401-TX-01

Product Questions? 855-270-4776

PEEL BACK BOOK HERE 

Hi-Yield® Bug Blaster II Bifenthrin 2.4 should be shaken well before use.

**PRODUCT FACTS**

Treats up to 5,344 sq. ft.

<b>KILLS INSECTS</b>	Termites, carpenter ants and other insects including argentine ants, boxelder bugs, carpenter bees, chinch bugs, clover mites, crickets, elm leaf beetles, firebrats, fleas, grasshoppers, German cockroaches, harvester ants, sod webworms, millipedes, mole crickets, mosquitoes, pharaoh ants, scorpions, spiders, termites (workers and winged), and ticks
<b>WHERE TO USE</b>	Lawns, porches, patios, foundations, wood piles and stored lumber
<b>AMOUNT TO USE</b>	<ul style="list-style-type: none"><li>• <b>Termites:</b> 3.2 fl. oz. (6 ½ Tbs.) per gallon of water for each 2 ½ linear feet of trench</li><li>• <b>All other pests:</b> 0.5 fl. oz. (1 Tbs.) per gallon of water sprayed over 167 sq. ft.</li></ul>
<b>HOW TO APPLY</b>	Easy to apply with tank sprayer or any hose-end applicator

Manufactured By:



230 FM 87 • BONHAM, TX 75418

EPA Reg. No. 53883-178-7401 • EPA Est. No. 7401-TX-01

www.hi-yield.com • 855-270-4776

32395-0918-CL



**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

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

**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 or 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. 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 onto 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.

**Hi-Yield® Bug Blaster II Bifenthrin 2.4** is a high-performance product.

**Hi-Yield® Bug Blaster II Bifenthrin 2.4** has a long residual, providing up to 16 weeks control of Cockroaches and up to 12 weeks control of other pests.

**Hi-Yield® Bug Blaster II Bifenthrin 2.4** is:

- For Outdoor Use Only
- Fast-acting
- Water-based
- Easy-to-use
- Non-staining
- Kills Ants, Earwigs, Fleas, Insects, Mites, Roaches, Silverfish, Spiders, Ticks & Other Listed Pests
- Virtually odor-free

1 Tablespoon (Tbs.) = 3 teaspoons (tsp.)

1 fl. oz. = 2 Tbs.

4 fl. oz. = ½ cup.

**DO NOT use household utensils to measure pesticides. If food utensils such as spoons or measuring cups have been used in the measuring of Hi-Yield® Bug Blaster II Bifenthrin 2.4 they must be discarded and not used for food purposes again.**

**DO NOT use Hi-Yield® Bug Blaster II Bifenthrin 2.4** inside dwellings

**DO NOT treat** structures that contain cisterns, wells, french drains or sump systems with **Hi-Yield® Bug Blaster II Bifenthrin 2.4**. Soil in the vicinity of wells, cisterns or ponds should not be treated. For those situations, contact your County Cooperative Extension Agent or consult a commercial pest control service.

**DO NOT use Hi-Yield® Bug Blaster II Bifenthrin 2.4** to treat soil that is water saturated or frozen, or in any conditions where run-off or movement from the treatment area (site) is likely to occur.

**DO NOT apply Hi-Yield® Bug Blaster II Bifenthrin 2.4** while it is raining.

**DO NOT use Hi-Yield® Bug Blaster II Bifenthrin 2.4** on pets.

**DO NOT use Hi-Yield® Bug Blaster II Bifenthrin 2.4** on edible or ornamental plants. Spray drift onto these plants should be rinsed off immediately with water.

Application is prohibited directly into sewers or drains, or to any area like a 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.

**Additional Application Restrictions for Residential Outdoor Surface and Space Sprays:**

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

- (1) Treatment to soil or vegetation around structures;
- (2) Applications to lawns, turf, and other vegetation;
- (3) Applications to building foundations, up to a maximum height of 3 feet.

Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors, and eaves) are limited to spot and crack-and-crevice applications, only.

**Hi-Yield® Bug Blaster II Bifenthrin 2.4** is specially formulated for residential use around existing structures.

**SUBTERRANEAN TERMITES (OUTDOORS) \***

**Hi-Yield® Bug Blaster II Bifenthrin 2.4** is used to kill and control subterranean termites. Chemicals for soil treatment are used to establish a barrier against termites. The chemical emulsion must be adequately dispersed in the soil to provide a barrier between the wood in the structure and the termite colonies in the soil. Barriers may be established in the soil on the outside perimeter of the house by trenching using a rate of 4 gallons of emulsion per 10 linear feet per foot of depth. A complete termite barrier may require treatment with another EPA registered product to the inside perimeter of the foundation and to other interior critical areas. For these situations contact a licensed pest control operator for treatment. Prevents subterranean termite infestations. For outdoor homeowner post-construction use only.

**DO NOT use Hi-Yield® Bug Blaster II Bifenthrin 2.4** under slabs, in crawl spaces or indoors. If termites are found within the house or structure, contact a licensed pest control operator for treatment.

\*Not in MA, NY & RI.

### **MIXING INSTRUCTIONS**

(for termites)

USE A SPRINKLING CAN. Add 3.2 fl. oz. (6 ½ Tbs.) to 1 gallon of water for each 2 ½ linear feet.

### **HOW TO APPLY**

#### **Trench Treatment**

Remove all cellulose, wood debris and wood forms from the area to be treated before application.

**Poured Concrete Foundations:** Dig a trench next to the foundation 6 inches wide and 4 inches deep or down to the top of the footing.

**Brick and Block Foundations:** Dig a trench 6 inches wide and 12 inches deep. If the footing is more than 12 inches deep, make holes with a crowbar, pipe or steel rod about 1 foot apart that extends from the bottom of the trench to the top of the footing. Make holes closer in hard packed clay soils.

To avoid shifting your house foundation, never dig below the top of the footing.

Apply the diluted solution (emulsion) in the trench at a rate of 4 gallons per 10 linear feet per foot of depth.

Apply half volume of the diluted product with a sprinkling can in the trench. Apply other half to the backfill as the trench is refilled.



**Fence Posts-New Installations**

Use a sprinkling can. Pour ½ gallon of diluted product into fence post hole and add another ½ gallon to the soil when filling the hole so that all the fill soil is treated to form a protective barrier.

**Fence Posts-Existing**

Create an insecticidal barrier in the soil around wooden constructions such as signs, fences and landscape ornamentation.

Previously installed poles and posts may be treated by digging a trench 6 inches wide around the pole or post and pouring ½ gallon of diluted product into the trench. Add another ½ gallon to the soil when filling the hole so that all the fill soil is treated to form a continuous protective barrier on all sides of the pole. Use 1 gallon of emulsion per foot of depth for poles and posts less than six inches in diameter. For larger poles, use 1.5 gallons of emulsion per foot of depth. Apply to a depth of 6 inches below the bottom of the wood. For larger constructions, use 4 gallons per 10 linear feet per foot of depth.

**WHEN TO RE-APPLY**

**Re-application of Hi-Yield® Bug Blaster II Bifenthrin 2.4** for control of subterranean termites should only be made when there has been a disruption of the chemical barrier in the soil due to construction, excavation, landscaping, etc. Re-application should be made as a spot treatment to those areas. Annual re-application of the entire premises must be avoided.

**CARPENTER ANTS, CARPENTER BEES, WOOD DESTROYING BEETLES, AND OTHER HOME INVADING PESTS (OUTDOORS)**

**Hi-Yield® Bug Blaster II Bifenthrin 2.4 may also be used to control the following insects (outdoors).**

Ants (Including Carpenter ant, red harvester, pavement, odorous pyramid, Argentine and pharaoh) carpenter bees, beetles, boxelder bugs, centipedes, chiggers, crickets, earwigs, firebrats, fleas, German cockroaches, house flies, hornets, millipedes, scorpions, silverfish, sowbugs, spiders (including black widow and brown recluse), springtails, ticks, wasps, wood destroying beetles, hornets, and yellow jackets.

**For use against hornets, wasps and yellow jackets:** Application should be made in the late evening when insects are at rest. Aim spray at nest openings in ground, bushes and in cracks and crevices which may harbor nests, saturating nest openings and contacting as many insects as possible.

**MIXING INSTRUCTIONS**  
(for home invading pests)

**AMOUNT TO USE:**

• **When using a tank sprayer**

0.5 fl. oz. (1 Tbs.) per gallon of water to be sprayed over 167 sq. ft.

• **When using a “dial and spray”**

1. Set dial to 0.5 fl. oz.
2. Add 3.2 fl. oz. (6 ½ Tbs.) to sprayer jar. DO NOT add water.
3. Spray evenly over 1,000 sq. ft. until jar is empty.

## TREATMENT FOR WOOD DESTROYING PESTS (OUTDOORS)

**Hi-Yield® Bug Blaster II Bifenthrin 2.4 may also be used to control Wood Destroying Pests in Localized Areas Outdoors:** For insects including termites, ants, carpenter ants, and wood-infesting beetles including Old House Borer and Powder Post in localized areas of infested wood around structures, apply emulsion to voids and galleries in damaged wood and in spaces between wooden members of a structure and between wood and foundations where wood is vulnerable. Paint on or fan spray applications may also be used.

### HOW TO APPLY

#### **Wood Treatment**

Fences and Outdoor Wood Surfaces of Buildings: Apply evenly on wood surfaces. Allow to dry and repeat to ensure the insecticide soaks into the wood.

**Wood Piles and Stored Lumber:** Use a Dial N Spray or other garden tank sprayer or a sprinkling can to deliver a coarse drenching spray. Treated wood can be burned or used for building one month after treatment.

#### **Perimeter Treatment**

To keep insects from entering the house, use a hose-end or tank sprayer to spray a 3 to 10 foot band of soil around the house next to the foundation. Also spray the foundation of the house to a height of 2 to 3 feet. House siding may be treated if pests such as gypsy moth adults and caterpillars, boxelder bugs, elm leaf beetles, earwigs, or silverfish are present.

For sections of foundation that abut non-porous horizontal surfaces, the treated areas must be protected from rainfall and spray from sprinklers or they do not drain into a sewer, storm drain, or curbside gutter (e.g. not to sections that abut driveways or sidewalks that drain into streets.)

## LAWN PESTS (OUTDOORS)

**Hi-Yield® Bug Blaster II Bifenthrin 2.4 may be used to control listed above ground insects** including armyworms, chiggers, chinch bugs, clover mites, crickets, cutworms, dichondra flea beetles, earwigs, fleas, grasshoppers, sod webworms and ticks.

**Hi-Yield® Bug Blaster II Bifenthrin 2.4 may be used to control listed below ground insects** including mole crickets and European crane flies.

### MIXING INSTRUCTIONS

(for lawn pests)

#### AMOUNT TO USE:

- **When using a tank sprayer**

0.5 fl. oz. (1 Tbs.) per gallon of water to be sprayed over 167 sq. ft.

- **When using a “dial and spray”**

1. Set dial to 0.5 fl. oz.
2. Add 3.2 fl. oz. (6 ½ Tbs.) to sprayer jar. DO NOT add water.
3. Spray evenly over 1,000 sq. ft. until jar is empty.

#### HOW TO APPLY

- Measure lawn. Calculate square feet by multiplying length times width.
- Spray evenly over measured area. Treat entire lawn.

#### WHEN TO REAPPLY

Repeat application is necessary only if there are signs of renewed insect activity. Repeat application must be limited to no more than once per seven days.

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 Hi-Yield® Bug Blaster II Bifenthrin 2.4 if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

#### **MOSQUITOES (OUTDOORS)**

Mosquitoes coming to rest on areas treated for the control of lawn and home-invading pests will be killed for varying periods of time after application, depending on exposure of treated areas to environmental conditions.

#### **ANT AND FIRE ANT MOUNDS**

Use **Hi-Yield® Bug Blaster II Bifenthrin 2.4 as a Drench Method**. Apply 1-2 gallons of emulsion to each mound area by sprinkling the mound until it is wet and treat a 4 foot diameter circle around the mound. Use the higher volume for mounds larger than 12". For best results, apply in cool weather, such as in early morning or late evening hours, but not in the heat of the day. Treat new mounds as they appear.

**INSECTS KILLED AND CONTROLLED with Hi-Yield® Bug Blaster II Bifenthrin 2.4:** See previous pages for directions for use

<p><b>TERMITES</b> Directions for Use: See pages 5-7 of this label.</p> <p>Subterranean Termites</p> <p><b>WOOD BORING INSECTS</b> Directions for Use: See pages 8-9 of this label.</p> <p>Carpenter Ants, Carpenter Bees, Subterranean Termites, Wood Destroying Beetles, including: Old House Borer, Powder Post</p>	<p><b>HOME INVADING PESTS (Outdoors)</b> Directions for Use: See pages 8-9 of this label.</p> <p>Ants, including: Carpenter Ant, Red Harvester, Pavement, Odorous, Pyramid, Argentine, Pharaoh</p> <p>Beetles, Boxelder Bugs, Centipedes, Chiggers, Crickets, Earwigs, Elm Leaf Beetles, Fleas, German Cockroaches, Gypsy Moth Adults, House Flies, Hornets, Millipedes, Scorpions, Silverfish, Sowbugs, Spiders, including: Black Widow, Brown Recluse, Springtails, Ticks, Wasps , Yellow Jackets</p>	<p><b>LAWN PESTS (Outdoors and Above Ground)</b> Directions for Use: See pages 10-11 of this label.</p> <p>Armyworms, Billbugs, Beetles, Chiggers, Chinch Bugs, Clover Mites, Crickets, Cutworms, Dichondra Flea Beetle, Earwigs, Grasshoppers, Sod Webworms, Ticks</p> <p><b>LAWN PESTS (Outdoors, Below Ground)</b> Directions for Use: see pages 10-11 of this label.</p> <p>Mole Crickets, European Crane Flies</p>
--	---	---

**Important:**

- For outdoor, homeowner post-construction uses only.
- Food utensils, such as measuring spoons and measuring cups, must NOT be used for food purposes after use with insecticides.
- Do not apply in or on electrical equipment or outlets due to possibility of shock.
- Keep children and pets off treated areas following application until the area has dried.
- Do not treat pets with this product.
- Do not spray inside dwellings.
- Do not apply to ornamental plants.
- Do not apply to plants grown for food, such as vegetables, fruits or other feed crops.
- Do not apply near fish pools, ponds, streams, rivers or lakes.
- Do not apply to soil in the vicinity of wells, cisterns or ponds.
- Do not treat structures that contain cisterns, wells, french drains or sump systems.

Application is prohibited directly into sewers or drains, or to any area like a 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.

**Additional Application Restrictions for Residential Outdoor Surface and Space Sprays:**

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

- (1) Treatment to soil or vegetation around structures;
- (2) Applications to lawns, turf, and other vegetation;
- (3) Applications to building foundations, up to a maximum height of 3 feet.

Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors, and eaves) are limited to spot and crack-and-crevice applications, only.”



## STORAGE AND DISPOSAL

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

**Storage and Spill Procedures:** Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spillage or leakages, soak up with an absorbent material such as sand, sawdust, earth, Fuller's earth, etc. Dispose of with chemical waste.

**Pesticide Disposal:** Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

**Container Disposal:** Nonrefillable container. Do not reuse or refill this container. Clean container 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  $\frac{1}{4}$  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. Offer for recycling if available.

Page left blank intentionally.