



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

83923-13

Date of Issuance:

9/2/15

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Bithor XT

Name and Address of Registrant (include ZIP Code):

Ensystex IV, Inc.
c/o
Leanne Pruett
Pyxis Regulatory Consulting, Inc.
4110 136th St., NW
Gig Harbor, WA 98332

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 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 section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Venus Eagle, Product Manager 01
Invertebrate & Vertebrate Branch 3
Registration Division (7505P)
Office of Pesticide Programs

Date:

9/2/15

2. You are required to comply with the data requirements described in the DCI and EDSP orders identified below:
 - a. Imidacloprid GDCI-129099-951
 - b. Bifenthrin GDCI-128825-902; GDCI-128825-1158; GDCI-128825-902; GDCI-128825-1114
 - c. Imidacloprid EDSP-129099
 - d. Bifenthrin EDSP-128825

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCIs or EDSP order listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division:

http://www.epa.gov/oppsrrd1/contacts_prd.htm

3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 83923-13.”
4. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 04/16/2015

If you have any questions, please contact Gene Benbow by phone at 703-347-0235, or via email at Benbow.Gene@epa.gov.

Enclosure



BITHOR XT

For control of listed pests indoors and outdoors within a 10-foot perimeter of the structure, in residential, commercial, industrial, institutional and public structures and buildings. For control of wood-infesting pests.

Active Ingredient:	By Wt.
Imidacloprid	5.0%
Bifenthrin*	4.0%
Other Ingredients:	<u>91.0%</u>
TOTAL:	100.0%

*Cis isomers 97% minimum, trans isomers 3% maximum
 Contains 0.45 pounds of imidacloprid and 0.36 pounds of bifenthrin per gallon

EPA Reg. No. 83923- EPA Est. 81824-NC-001

STOP – Read the label before use

KEEP OUT OF REACH OF CHILDREN

CAUTION

(PRECAUCION AL USUARIO: Si usted no puede leer o entender ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.)

(TO THE USER: If you cannot read and understand English, do not use this product until the label has been fully explained to you.)

For product use information call 1-866-FOR-THOR (866-367-8467) or visit www.for-thor.com.

NET CONTENTS: Gallon(s)

Manufactured by:
ENSYSTEX IV, Inc.
 2175 Village Drive, Fayetteville, NC 28304

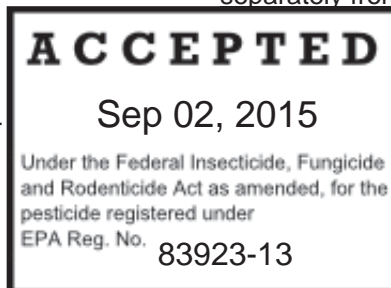
FIRST AID	
If swallowed	Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything to an unconscious person.
If on skin or clothing	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 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.
HOTLINE NUMBER	
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-(800)-369-4352 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
Note To Physician: No specific antidote is available. Treat the patient symptomatically. This product contains a pyrethroid. If large amounts have been ingested, milk, cream and other digestible fats and oils may increase absorption and so should be avoided.	

PRECAUTIONARY STATEMENTS
 Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing.

Personal Protective Equipment: Applicators and other handlers must wear long-sleeved shirt, long pants, shoes and socks and waterproof gloves. Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.



User Safety Recommendations: 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 the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

This product is extremely toxic to fish and aquatic invertebrates. Run-off may be hazardous to aquatic organisms in water adjacent to treated areas.

This product contains a chemical with properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

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 heavy 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 and drainage systems.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops, plants or weeds. Do not apply this product or allow it to drift to blooming crops, plants or weeds if bees are foraging in 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 requirement specific to your State or Tribe, consult the agency responsible for pesticide regulation.

RESTRICTIONS

- Do not allow people or pets on treated surfaces until the spray has dried.
- Do not water the treated areas to the point of run-off.
- Do not make applications during rain.
- Do not make applications 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.
- Do not use household utensils to measure BITHOR XT.
- For broadcast applications, do not apply more than 4.5 pints (0.25 lb imidacloprid, 0.2 lb bifenthrin) per acre or 1.65 fluid ounces per 1000 square feet per

application. Do not apply more than 9 pints (0.5 lb of imidacloprid active ingredient, 0.4 lb bifenthrin) per acre per year or 3.3 fluid ounces per 1000 square feet per year.

- Outdoor applications must only be made within a 10-foot perimeter of the structure.
- Do not allow this product to contact plants in bloom if bees are foraging the area
- Do not apply this product, by any application method, to linden, basswood or other *Tilia* species in the State of Oregon
- Do not apply within aircraft cabins.
- Do not apply in food/feed areas of food and feed handling establishments.
- Do not apply to furniture or upholstery where prolonged contact with humans will occur.
- Do not spray bed linens, mattresses, blankets or pillows. Do not apply to materials which come in direct contact with occupants of the bed.
- Remove or cover and disconnect aquariums during application.
- Do not apply a broadcast application to interior surfaces of living areas.
- Do not apply directly to pets, crops, sources of electricity or firewood.
- During any application to overhead areas of structure, cover surfaces below with plastic sheeting or similar material, except for soil surfaces in crawlspaces.
- Wear protective clothing, unvented goggles, gloves and a NIOSH approved particulate respirator, with any R or P filter with NIOSH approval number prefix TC-84A when making an overhead application or when applying in poorly ventilated indoor areas.
- Do not allow dripping or runoff to occur during indoor applications.
- For indoor uses apply only as a spot, crack or crevice treatment. Do not apply as a space spray.
- Do not allow spray to contact food, foodstuffs, food contacting surfaces, food utensils or water supplies.
- Thoroughly wash dishes and food handling utensils with soap and water if they become contaminated by application of this product.
- Do not apply this product in nursing home or patient rooms or in any rooms while occupied by the elderly or infirmed.
- Do not apply in classrooms when they are in use.
- Do not apply when occupants are present in the immediate area in institutions such as health care facilities, libraries, schools, offices, etc.
- Do not apply in livestock buildings such as barns.
- Do not apply where electrical short circuits can occur.
- Do not allow runoff or puddling of irrigation water following application.
- Do not apply by air.
- Do not apply by any type of irrigation system.

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) Applications to soil, turf or other non-flowering ground cover within a 10-foot perimeter around the structure;
- (2) Applications to the side of a building, up to a maximum height of 3 feet above grade;
- (3) Applications to underside of eaves, soffits, doors or windows permanently protected from rainfall by a covering, overhang, awning or other structure;
- (4) Applications around potential pest entry points into buildings, when limited to a surface band not to exceed one inch width;
- (5) Applications made through the use of a coarse, low pressure spray to only those portions of surfaces that are directly above bare soil, lawn, turf, mulch or other vegetation, as listed on this label, and not over an impervious surface, drainage or other conditions that could result in runoff into storm drains, drainage ditches, gutters, or surface waters, in order to control occasional invaders or aggregating pests.

Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches, windows, door 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.

Pesticide Storage: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If container is leaking, invert to prevent leakage. If container is leaking or if material is spilled for any reason or cause, carefully contain any spilled material to prevent non-target contamination. Do not walk through spilled material and dispose of as directed for pesticides below. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. Refer to *Precautionary Statements* on label for hazards associated with the handling of this material. In spill or leak incidents, keep unauthorized people away. You may contact ENSYTEX IV for decontamination procedures or any other assistance that may be necessary at 1-866-367-8467 or contact Chemtrec at 1-800-424-9300.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) 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 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. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

PRODUCT INFORMATION

BITHOR XT controls or suppresses listed insects and mites in, at and/or within a 10-foot perimeter of residential dwellings (single and multi-family), office, commercial, shopping and institutional buildings and complexes, and interior landscapes. BITHOR XT mixes readily with water and other aqueous carriers.

Some insects can develop resistance to products used repeatedly for their control. Because the development of resistance by an insect to an insecticide cannot be predicted, the use of this product should be according to established resistance management strategies. Consult your local or state pest management authorities for details.

If necessary, consult resources in horticulture in your area (such as your Cooperative Extension Service) to

determine appropriate application timing and cultural practices to control different types of pests.

PESTS INSIDE AND OUTSIDE OF STRUCTURES

(OTHER THAN WOOD INFESTING INSECTS)

Bithor XT controls listed nuisance pests inside and outside of structures and modes of transport. Bithor XT may only be applied in and within a 10-foot perimeter around any type of residential or commercial structure, building or mode of transport: non-food/non-feed areas of food/feed handling establishments. Permitted application sites include the interior and exterior of homes, apartments, commercial buildings, manufacturing establishments, office buildings, stores, food processing plants (non-food/non-feed areas), warehouses, schools, factories, hospitals, nursing homes, mobile and modular homes, vehicles and marine vessels.

Bithor XT will not stain or damage any surface that water alone will not stain or damage.

Restrictions:

- Do not apply within aircraft cabins.
- Do not apply more than 9.0 pints (0.5 lb of imidacloprid and 0.4 lb of bifenthrin) per acre per year.
- Outdoor applications must only be made within a 10-foot perimeter of the structure.

Dilution of Bithor XT

Use rates for Bithor XT are expressed and mixed according to the percentage (%) concentration solution it forms when mixed in water as found in the table below.

Mixing Table for Bithor XT Inside and Outside of Structures			
Use Rate	% Bithor XT in water	Fluid ounces Bithor XT to add per gallon of water for desired %	Milliliters of Bithor XT to add per gallon of water for desired %
A	0.068%	0.89	26
B	0.135%	1.78	52

PESTS OUTSIDE AND AROUND STRUCTURES

Pests Controlled

Ants (including Carpenter Ant), Armyworms, Biting Flies, Blue or Green Bottle Fly, Boxelder Bug, Carpenter Bees, Centipedes, Chiggers, Chinch Bug, Clover Mites, Cluster Flies, Cockroaches, Crickets, Cutworms, Dichondra Flea Beetle, Earwigs, Elm Leaf Beetle, Firebrats, Fleas, Flesh Flies, Flies, Gnats, Grasshoppers, Ground Beetle, Hornets, Housefly, Japanese Beetle, Lady Beetles, Midges, Millipedes, Mole Crickets, Mosquitoes, Moths, Pillbugs, Scorpions, Silverfish, Sod Webworms, Sowbugs, Spider Mites, Spiders, Springtails, Stable Flies, Ticks, Wasps and Yellow Jackets.

Application Methods

Apply Bithor XT as a solution in the form of a general surface, spot, crack and crevice, void, pinstream or coarse spray to the structure or in a 10 foot perimeter of the structure where pests can enter the structure or where they have been seen or found or can find shelter. Bithor XT may also be applied with a paintbrush.

Bithor XT may be converted to foam and used to treat structural voids. First form a solution of Bithor XT of the appropriate percentage concentration and volume. Then add required volume of a compatible foaming agent. Verify that the foaming agent is compatible with Bithor XT.

When treating overhead, wear safety glasses, goggles or face shield and a NIOSH approved particulate respirator, with any R or P filter with NIOSH approval number prefix TC-84A.

Restrictions:

- Do not contact treated surfaces until they are dry.
- Do not apply as a space spray.
- Do not apply more than 9.0 pints (0.5 lb of imidacloprid and 0.4 lb of bifenthrin) per acre per year.
- Do not treat firewood.
- Outdoor applications must only be made within a 10-foot perimeter of the structure.

Application Use Rates and Volumes

Select a Use Rate from the Bithor XT Mixing Table above. Use the 0.135% rate for severe infestations, faster knockdown or longer residual and for Fire Ants, Hornets, Wasps and Yellow Jackets.

Apply at a high enough volume to adequately wet the treated area without excessive dripping or runoff. Higher application volumes may be used for severe infestations, faster knockdown or longer residual control.

Re-Application

Do not repeat treatments more often than once every 7-10 days. The best efficacy and longest residual control is achieved when the highest listed concentration is used.

Application Locations

Apply spray to the exterior surfaces of structures including porches, patios and other structures, around doors and windows, eaves and attic vents, utility entry points, soffit areas and other exterior openings (including foundation cracks or holes) and to soil, turf or other nonflowering ground cover within a 10-foot perimeter of the structure where pests enter the structure, congregate, find shelter or have been seen.

Perimeter Band Treatment

To help prevent pest infestation of structures, create a treated zone or band on the structure, soil and non-flowering groundcover around the entire perimeter of a structure, not to exceed 10 feet beyond the structure. Apply solution to soil, turf or other non-flowering ground covering adjacent to the structure within a band beginning 6 to 10 feet from the exterior foundation of the structure that extends back to the structure and then continues 2 to 3 feet up the exterior surface of the structure from the ground. Application volume will depend upon the nature of the surface being treated.

Mulch areas, for example, require more volume and hard surface areas require less.

Control of Specific Pests Outdoors

Ants (Nuisance ants including Carpenter Ants)

Outdoors: To achieve the highest level of control, locate and directly treat ant nests. Apply solution to ant trails, around doors and windows and at points where ants can be expected to forage or congregate. Apply as a broadcast application to the soil or mulched ground cover in landscape plant beds. It is recommended that shrubbery and other vegetation directly touching the structure be trimmed away.

For Ant (including Fire Ant) Mounds: Treat mounds and area within a 2 foot radius of the center of the mound with 1-2 gallons of 0.135% solution. When mounds exceed 12 inches in size use the higher solution.

Wasps, Hornets, and Yellow Jackets: Always use the highest rate (0.135%). Make application directly to the nest. Spray to the point of saturation with a pinstream application. Spray as many insects as possible. Remove and destroy treated nests to prevent emergence of newly hatched insects.

Boxelder Bug and other Occasional Invaders: Apply a perimeter application directly to where insects have congregated at points of entry. It may be necessary to also treat trees.

Centipedes, Earwigs, Millipedes, Pillbugs, Sowbugs, Springtails: Thoroughly treat mulch areas. The reduction of moisture in mulch areas may also aid in control of these pests. For centipedes, use the 0.135 % solution.

House Flies and Cluster Flies: Spray surfaces where flies may rest. For Cluster Flies, treat in late summer or fall before flies begin looking for winter shelter.

Fleas and Ticks: Treat, using the 0.135% solution, likely harborage areas like along footpaths or lawns that fall within a 10 foot perimeter of the building or structure (Do not apply beyond a 10-foot perimeter around any building or structure). Begin treatments in the spring. Insects may be re-introduced by host animals in the surrounding area. Retreatment, not to exceed 9.0 pints (0.5 lb of imidacloprid and 0.4 lb of bifenthrin) per acre per year may be necessary to achieve and maintain control during periods of high pest pressure.

Scorpions: Apply a band (or perimeter) treatment within 10 feet of the perimeter of a structure.

PESTS INSIDE STRUCTURES (OTHER THAN FOOD/FEED AREAS OF FOOD/FEED HANDLING ESTABLISHMENTS) INCLUDING MODES OF TRANSPORT

Pests Controlled

Ants (including Carpenter Ants), Bedbug, Beetles (except wood infesting), Blue or Green Bottle Fly, Hide or Leather Beetle, Boxelder Bug, Carpet Beetles, Centipedes, Clothes Moth, Clover Mites, Cluster Fly, Cockroaches, Crickets, Dermestids, Earwigs, Elm leaf Beetle, Fleas, Firebrats, Flies, Gnats, Hornets, House fly, Lady Beetles, Midges, Millipedes, Mosquitoes, Moths,

Pillbugs, Scorpions, Sowbugs, Silverfish, Spiders, Springtails, Ticks, Wasps and Yellow Jackets

Application Preparation

When treating in home food preparation and storage areas, cover all food preparation surfaces and utensils prior to beginning treatment. Thoroughly wash surfaces or items that cannot be covered or removed after treatment and before use. Remove food that cannot be covered. Disconnect fish tanks aerators and remove tanks or securely cover before application occurs.

Restriction: Do not allow people and pets to touch treated surfaces until they have dried.

Application Use Rates

Use a 0.068% or 0.135% solution of Bithor XT. Use the higher rate for severe infestations, faster knockdown or longer residual.

Application Methods

Apply Bithor XT as a solution in the form of a spot, crack and crevice, void, pinstream or coarse spray. Bithor XT may also be applied with a paintbrush.

Bithor XT may be converted to foam and used to treat structural voids. First form a solution of Bithor XT of the appropriate percentage concentration and volume. Then add required volume of a compatible foaming agent. Verify that the foaming agent is compatible with Bithor XT.

When treating overhead, wear safety glasses, goggles or face shield and a NIOSH approved particulate respirator, with any R or P filter with NIOSH approval number prefix TC-84A..

Restriction: For indoor uses apply only as a spot, crack or crevice treatment. Do not apply as a space spray.

Application Locations

Apply to and around any areas pests or their evidence is seen or found, could hide or rest or could enter the premises including cracks and crevices, behind and under cabinets and appliances, around doors, windows and eaves, in attics and storage areas and around pipes and under appliances. Spot treat floor or rugs beneath furniture, in closets, and storage areas. Do not treat an area larger than 3 feet x 3 feet.

Control of Specific Pests Indoors

Cockroaches, Crickets, Firebrats, Scorpions, Silverfish, Spiders, and Ticks: Apply wherever these pests may hide, enter the structure or congregate such as cracks and crevices, baseboards, water pipe openings, around doors and windows, behind and under cabinets and appliances and within storage and attic areas.

Bedbug: To aid in control, apply to cracks and crevices wherever evidence of bedbugs has been found including within empty dressers and closets, on bed frames and box springs and behind high and low wall moldings and wallpaper edges. Not for use as a sole control agent against bedbugs. If evidence of bedbugs is found on or in mattresses, use only products approved for application to this item. Do not apply more often than once every 7-10 days.

Restrictions:

- Do not spray bed linens, mattresses, blankets or pillows. Do not apply to materials which come in direct contact with occupants of the bed.
- Remove all clothes and other articles from dressers or closets before application within them.
- Do not apply to furniture or upholstery where prolonged contact with humans will occur.

Boxelder Bug, Centipedes, Earwigs, Beetles, Millipedes, Pillbugs, Sowbugs: Apply to points of pest entry into structure such as around windows and doors. Apply anywhere else pests may congregate or be located.

Wasps, Hornets, Yellow-Jackets: Always use the highest rate (0.135%) when treating wasps, hornets and yellow-jackets. Apply solution to hiding and breeding places, contacting as many insects as possible. Best results are achieved when application is made in the evening when insects are at rest and to avoid stings. Spray to the point of saturation. Spray as many insects as possible. Remove and destroy treated nests to prevent emergence of newly hatched insects.

Ants (Nuisance ants including Carpenter Ants) Indoors: To achieve the highest level of control, locate and directly treat ant nests and ant trails. Apply solution in areas infested by or expected to be infested by ants such as on walls, tile, baseboards, under cabinets and around pipes.

WOOD INFESTING PESTS

Bithor XT controls carpenter ants and carpenter bees in localized areas, including galleries and structure voids and wood surfaces (including wooden surfaces in crawl spaces, basements, attics, decks, siding). Bithor XT will not stain or damage any surface that water alone will not stain or damage.

Dilution of Bithor XT

Use rates for Bithor XT are expressed and mixed according to the percentage (%) concentration solution it forms when mixed in water as found in the table below.

Mixing Table for Bithor XT for use against Wood Infesting Pests			
Use Rate	% Bithor XT in water	Fluid ounces Bithor XT to add per gallon of water for desired %	Milliliters of Bithor XT to add per gallon of water for desired %
A	0.068%	0.89	26
B	0.135%	1.78	52

Depending on application methods indicated below, Bithor XT may be applied as a spray, mist, foam, or brushed onto surface to be treated. To convert to foam, first form a solution of Bithor XT of the appropriate percentage concentration and volume. Then add required volume of a compatible foaming agent. Verify that the foaming agent is compatible with Bithor XT.

Application Use Rates and Volumes: Select a Use Rate from the Bithor XT Mixing Table above. Use the 0.135% rate for severe infestations. Apply at a high enough volume to adequately wet the treated area without excessive dripping or runoff.

Re-Application: Retreat as needed to maintain protection, every 7 to 10 days as needed.

Application Locations: Apply spray to the exterior surfaces of structures where pests have been seen, found, or can find shelter. For treatment of wood infested or susceptible to infestation by wood infesting pests, apply where pests have been seen, found, or can find shelter.

Pests Controlled: carpenter ants, carpenter bees,

APPLICATION METHODS**Carpenter Ants**

Homes and Other Structures: Apply Bithor XT solution as a spray or foam around windows, doors or other places where carpenter ants enter the structure. Apply Bithor XT as a spray or foam into cracks and crevices or as a spray, mist or foam into voids where ants or nests are present (it may be necessary to drill into inaccessible voids prior to application). Use enough solution to thoroughly cover affected area. Any vegetation touching the structure (such as shrubbery, bushes or tree branches) can offer a route of entry to ants which avoid treated surfaces, and should be removed or pruned away.

Wooden Structures Wood to soil contact areas (within 10 feet of the structure): Apply Bithor XT to prevent or control existing infestations by carpenter ants. Locate and treat interior infested cavity, if possible by injecting a solution or foam using a treatment tool with splashback guard. Wood to soil contact areas (non-structural) can be treated with Bithor XT solution as a soil drench or by injection at intervals of 8 to 12 inches.

Tunneling in soil: Treatment (soil drench or injection at intervals of 8 to 12 inches) can also be made along the edges of hard surfaces (such as walls or driveways) if ants are tunneling beneath the surface. Any vegetation touching the structure (such as shrubbery, bushes or tree branches) can offer a route of entry to ants which avoid treated surfaces, and should be removed or pruned away.

Carpenter Bees:

In or On Wooden Structures: Using the 0.135% solution, apply Bithor XT as a spray, mist or foam into gallery entrance holes made by carpenter bees. Entrance holes can be plugged after treatment using small pieces of steel wool or similar material. To prevent nesting by adult carpenter bees, exterior wood surfaces can be treated with Bithor XT spray, mist, foam, or by brushing onto the surface.

Restrictions:

- Do not drill where electrical wiring, plumbing lines, etc. are located.
- Do not apply where electrical shock hazards exist.

- When treating overhead, wear safety glasses, goggles or face shield and a NIOSH approved particulate respirator, with any R or P filter with NIOSH approval number prefix TC-84A..
- Drill holes in commonly occupied areas must be sealed after treatment.
- When spraying overhead in living areas, cover surfaces below the treated area with plastic sheeting or similar material.
- Do not allow contact with treated surfaces until sprays have dried
- Outdoor applications must only be made within 10 feet around the perimeter of the structure

IMPORTANT READ BEFORE USE

NOTICE: Read the entire Directions for Use, Conditions of Sale, Disclaimer of Warranties and Limitations of 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. By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

CONDITIONS OF SALE: The Directions for Use of this product are believed to be adequate and must be followed carefully. However, because of manner of use and other factors beyond the control of ENSYSTEX IV, Inc., it is impossible for ENSYSTEX IV to eliminate all risks associated with the use of this product such as ineffectiveness or unintended consequences. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold ENSYSTEX IV harmless for any claims relating to such factors.

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