 <p style="text-align: center;">U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505C) 1200 Pennsylvania Ave., N.W. Washington, D.C. 20460</p> <p><b>NOTICE OF PESTICIDE:</b>  <input checked="" type="checkbox"/> Registration  <input type="checkbox"/> Reregistration</p> <p style="text-align: center;">(under FIFRA, as amended)</p>	EPA Reg. Number: <b>81824-3</b>	Date of Issuance: <b>AUG 16 2005</b>
	Term of Issuance: <b>Conditional</b>	
	Name of Pesticide Product: <b>ENS-24-2</b>	
Name and Address of Registrant (include ZIP Code):  <b>Ensystex II, Inc. 2709 Breezewood Ave. Fayetteville, NC 28303</b>		
<p><b>Note:</b> 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.</p> <p>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.</p> <p>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.</p> <p style="text-align: center;"><b>This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</b></p> <ol style="list-style-type: none"> <li><b>1. Submit and/or cite all data required for registration/ reregistration of your product when the Agency requires all registrants of similar products to submit data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.</b></li> <li><b>2. Submit the results of a one-year storage stability study and corrosion characteristics study to the Agency within one year.</b></li> <li><b>3. Make the labeling changes listed below before you release the product for shipment:</b> <ol style="list-style-type: none"> <li><b>a. Add the phrase "EPA Registration No. 81824-3".</b></li> <li><b>b. At the end of the Hazards to Humans and Domestic Animals text, add the following: "Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse."</b></li> </ol> </li> </ol>		
Signature of Approving Official:		Date: <b>AUG 16 2005</b>

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- c. Delete "sale to and" on the front panel since this phrase implies a restricted use pesticide.
  - d. Delete the statement "Application of ENS-24-2 is permitted on and around xxx and ending "unless otherwise prohibited" under the Directions for Use and Application for Lawn and Nuisance Pests. The specific sites must be listed on the label, not "any type".
4. Submit the results of one-year storage stability and corrosion characteristics studies.
  5. Submit two (2) copies of your final printed labeling before you release the product for shipment.

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 constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

# ENS-24-2

Only for sale to and use by commercial applicators to control insect pests on lawns and other ornamental turf areas, landscapes, bedding areas, flowerbeds, ground covers, grounds, athletic fields, parks and recreational areas and around the perimeters of residential, commercial and institutional buildings. Pests controlled include Imported Fire Ants (including mounds) and Mole Crickets.

Active Ingredient:	By Wt.
Bifenthrin* .....	0.2%
Other Ingredients: .....	99.8%
TOTAL: .....	100.0%

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

EPA Reg. No. 81824-G EPA Est. 68850-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 1-888-398-3772 or visit [www.bifenthor.com](http://www.bifenthor.com)

Manufactured For:  
**ENSYSTEX II, Inc.**  
ayetteville, NC 28303

Net Weight:

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated:**

**AUG 16 2005**

**Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.**

**81824-3**

### FIRST AID

If on skin or clothing	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
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### 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-(888)-398-3772 for emergency medical treatment information.

### NOTE TO PHYSICIAN

This product is 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 absorbed through skin. Avoid contact with skin, eyes or clothing.

### Environmental Hazards

This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

### DIRECTIONS FOR USE

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

Not for use on plants being grown for sale or other commercial use or for commercial seed production or for research purposes. Not for use on golf courses, sod farms, nurseries, inside commercial greenhouses or on grass grown for seed.

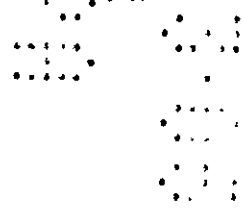
Application of ENS-24-2 is permitted on and around any type of turfgrass or plant in any type of setting or at any type of site unless otherwise prohibited. For use on plants intended for decorative or climate modification purposes.

Permitted use sites include but are not limited to lawns and other ornamental turf areas, landscapes, bedding areas, flowerbeds, ground covers, grounds, athletic fields, parks and recreational areas and around the perimeters of residential, commercial and institutional buildings.

At and around residential sites, do not apply during a single application more than 0.2 pounds active ingredient per acre (100 pounds ENS-24-2). Residential sites include but are not limited to private residences, apartment buildings, condominiums, pre-schools and day care facilities.

At and around non-residential sites, do not apply during a single application more than 0.4 pounds active ingredient per acre (200 pounds ENS-24-2).

During any year, do not broadcast apply more than 0.4 pounds active ingredient (200 lbs. ENS-24-2) per acre at any type of site.



## STORAGE AND DISPOSAL

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. Handle and open container in a manner so as to prevent spillage.

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

**Container Disposal:** (Paper and plastic bags) Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**In Case of Spill:** Confine it, avoid contact, isolate area and keep animals and unprotected persons away. Cover to prevent dispersal. Place damaged package in a holding container and identify contents. Contact Ensystem II at 1-888-398-3772 for any assistance.

## APPLICATION FOR LAWN AND NUISANCE PESTS

### Application Sites

For use on any type of turfgrass or plant in any type of setting or at any type of site except as otherwise prohibited. Permitted sites include but are not limited to lawns and other ornamental turf areas, landscapes, bedding areas, flowerbeds, ground covers, grounds, athletic fields, parks and recreational areas. **New York State only: Do not apply ENS-24-2 containing solutions to grass or turf within 100 feet of a body of water (lake, pond, river, stream, wetland or drainage ditch).**

### Application Amount Restrictions According to Site Type

On and around residential sites, do not apply during a single application more than 0.2 pounds active ingredient per acre (100 pounds ENS-24-2). Residential sites include but are not limited to private residences, apartment buildings, condominiums, pre-schools and day care facilities.

On and around non-residential sites, do not apply during a single application more than 0.4 pounds active ingredient per acre (200 pounds ENS-24-2).

### Application Methods and Equipment

Broadcast apply ENS-24-2 uniformly to the areas to be treated. Use application equipment suitable for that purpose such as hand or power operated gravity (drop) or rotary type spreaders designed for the application of granular materials.

Apply ENS-24-2 evenly over lawns, ground covers, flower beds and around trees and shrubs. To ensure the lawn area is covered uniformly, first treat around the border of the lawn. Then, treat in the center. Walk at a steady pace to ensure even distribution and walk parallel to reduce overlapping of treatment. The uniformity of the distribution of ENS-24-2 may be increased by applying one-half of the required amount in one direction and the other half at a right angle. The condition of the spreader, the speed walked and uneven terrain may affect the rate of application. If necessary, calibrate spreader according to the manufacturer's directions or see the *Application Equipment Calibration* section of this label.

It may be necessary to irrigate lawn areas after application to move the granules down deeper into the grass or to release the active ingredient from the granule.

### Reapplication

Reapplications may be necessary, particularly in the event of high pest pressure. However, during any one year, do not broadcast apply at any site more than 0.4 pounds active ingredient (200 lbs. ENS-24-2) per acre. **New York State only: Do make a single reapplication of ENS-24-2 if there is renewed insect activity, but not sooner than two weeks after the first application.**

## Application Use Rates

Select Use Rate based on the type of site. For some pests, maximum application rates differ based upon whether the site is a residential site or non-residential site.

Use rates for ENS-24-2 for lawn pests are stated in three different ways:

Pounds active ingredient per acre

Pounds of ENS-24-2 per acre

Pounds of ENS-24-2 per 1000 square feet.

### Application Use Rate Conversion

Use the following formulas to convert between the three ENS-24-2 use rates.

*If you know pounds active ingredient you want to apply and you want to calculate the pounds ENS-24-2 that contains this amount of active ingredient:*

$$\text{Pounds ENS-24-2} = \text{Pounds active ingredient} \times 500$$

*If you want to know the pounds active ingredient in any amount of ENS-24-2:*

$$\text{Pounds active ingredient} = \text{Pounds ENS-24-2} / 500$$

*If you want to convert between pounds per 1000 square feet and pounds per acre (or vice versa):*

$$\text{Pounds ENS-24-2 per 1000 square feet} = \text{Pounds ENS-24-2 per acre} / 43.56$$

$$\text{Pounds ENS-24-2 per acre} = \text{Pounds ENS-24-2 per 1000 square feet} \times 43.56$$

Recommended ENS-24-2 lawn application use rates, based on the target pest, range between 0.1 and 0.2 pounds of active ingredient per acre for residential sites and between 0.1 and 0.4 for non-residential sites. Recommended rates for specific pests within this range, based on the type site, are given below.

However, for residential sites, applications of up to 0.2 pounds of active ingredient per acre are permitted at the discretion of the applicator to control any pest.

For non-residential sites, applications of up to 0.4 pounds of active ingredient per acre are permitted at the discretion of the applicator to control any pest.

Do not exceed the maximum label rate by applying granules to an area smaller than intended when it was loaded in the application equipment unless such under dosing will not result in an application rate in excess of the maximum label rate.

ENS-24-2 Residential Applications Use Rate Table

Use Rate	Pounds active ingredient per acre	Pounds ENS-24-2 per acre	Pounds ENS-24-2 per 1000 sq. feet
A	0.1	50	1.15
B	0.1⇒0.2	50⇒100	1.15⇒2.3
C, D	0.2	100	2.3

ENS-24-2 Non-Residential Applications Use Rate Table

Use Rate	Pounds active ingredient per acre	Pounds ENS-24-2 per acre	Pounds ENS-24-2 per 1000 sq. feet
A	0.1	50	1.15
B	0.1⇒0.2	50⇒100	1.15⇒2.3
C	0.2⇒0.4	100⇒200	2.3⇒4.6
D	0.4	200	4.6

### Pests Grouped by Use Rates

Use Rate A: Armyworms, Cutworms, Sod Webworms

Use Rate B: Annual Bluegrass or Hyperodes Weevil (Adult), Billbugs (Adult), Black Turfgrass Ataenius (Adult), Leafhoppers, Mealybugs

Use Rate C: Ants, Centipedes, Chinch Bug, Fleas (Larvae and Adult), Imported Fire Ant including mounds (Adult), Millipedes, Mole Cricket (Nymph and Adult), Ticks

Use Rate D: Pillbugs, Sowbugs, European Crane Flies

### Application Recommendations Against Specific Pests

**Annual Bluegrass or Hyperodes Weevil (Adult):** Consult your Cooperative Extension Service for advice on application timing in your area.

**Armyworms, Cutworms, Sod Webworms:** Water treated area immediately with up to 0.1 inches of water immediately after application to release active ingredient from the granules.

**Billbug Adults:** Make application when adults first appear in the spring or when chewed or brown grass indicates damage. Consult your Cooperative Extension Service for advice on more exact application timing in your area.

**Black Turfgrass Ataenius:** Treat in the spring to control overwintering adults. Consult your Cooperative Extension Service for advice on more exact application timing in your area.

**Chinch Bugs:** Water treated area immediately with up to 0.25 inches of water immediately after application to help move active ingredient deeper into the grass thatch where these insects live. The highest application rate may be necessary to achieve control during the summer.

**Flea larvae:** Water treated area immediately after application with up to 0.5 inches of water to release active ingredient from granule. Concentrate treatment in shaded soil areas.

**Imported Fire Ants:** Combine broadcast treatments to control newly invading ants and mound treatments to control existing ant colonies. Irrigate before broadcast application if soil is not moist. Treat mounds by pouring 1/2 cup of ENS-24-2 into the mound opening and wetting it with 1 to 2 gallons of water. Also treat the area within a 2 foot radius of the center of the mound. For best results, make application during cool weather (65 to 80 degrees F) or in the early morning or late evening.

**Mole Crickets:** Make application late in the day. Water treated area immediately after application with up to 0.5 inches of water to move granules down into the grass where these insects live. If soil is not moist, water before treatment also to bring crickets closer to surface before application. Treating at the time of peak egg hatch increases control of hatching nymphs. Frequent applications may be necessary to control larger nymphs later in the year.

**Ticks (including ticks that may transmit Lyme Disease and Rocky Mountain Spotted Fever):** Treat the entire area where ticks could be present. Begin treatments in the spring. Ticks may be re-introduced by host animals in the surrounding area. Retreats may be necessary to achieve and maintain control during periods of high pest pressure.

### Structure Perimeter Application

Broadcast apply ENS-24-2 around the exterior perimeter of a structure in a 5 to 10 foot wide band beginning at the base of the structure and extending outward. Determine the amount of ENS-24-2 to apply based on the following formulas.

#### Perimeter Application Amount Calculation

Compute the amount of ENS-24-2 to apply in a perimeter band application as follows:

A = Distance around structure measured 5 feet from structure X width of perimeter band to be applied (distances in feet)

B = Use rate from the applicable Use Rate Table in Pounds ENS-24-2 per 1000 square feet based on target pest and type of application site (residential or non-residential)

Pounds of ENS-24-2 to apply around perimeter = (A X B) / 1000

### Application Equipment Calibration

Calibrate spreading equipment before use. Accurately weigh a few pounds into your spreader and apply to a measured area. Then adjust the spreader setting, if necessary, in order to assure correct rate of application.

### 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.

**CONDITIONS OF SALE:** The Directions for Use of this product are believed to be adequate and should be followed carefully. However, because of manner of use and other factors beyond the control of Ensystem II, Inc., it is impossible for Ensystem II 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 Ensystem II harmless for any claims relating to such factors.

**DISCLAIMER OF WARRANTIES:** Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use when used in accordance with the Directions for Use under normal conditions of use. **ENSYSTEX II MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL.** Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, under abnormal conditions or under conditions not reasonably foreseeable by (or beyond the control of) seller or Ensystem II, Inc., and buyer assumes the risk of any such use.

**LIMITATIONS OF LIABILITY:** To the extent permitted by law, Ensystem II shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ENSYSTEX II AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ENSYSTEX II, THE REPLACEMENT OF THE PRODUCT.**

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

