

**PLEASE NOTE**

**This image contains more than one label  
approved for this product on this date.**

82957-3

01/31/2007

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

JAN 31 2007

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Mr. Michael Kellogg, Agent  
Etigra c/o  
Pyxis Regulatory Consulting, Inc.  
4110 136 St. NW  
Gig Harbor, WA 98332

SUBJECT: Application for Pesticide Notification (PRN 98-10)  
Request Alternate Brand Name "Arborthor WSP"  
EPA Reg. No. 82957-3  
Application Dated January 10, 2007

Dear: Mr. Kellogg,

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 01/10/2007 for the above product. The Registration Division (RD) has conducted a preliminary screen of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Owen F. Beeder of my staff at 703-308-8899.

Sincerely,

*Rachel C. Holloman*

*for* Linda Arrington  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs

STC



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 82957-3	2. EPA Product Manager V. Eagle	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Ensystex III, Inc. / Turfthor WP	PM# 1	
5. Name and Address of Applicant (Include ZIP Code) Ensystex III, Inc. c/o Pyxis Regulatory Consulting, Inc. 4110 136th St. NW Gig Harbor, WA 98332 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)  
Notification of the addition of an alternate brand name per PRN 98-10. The alternate brand name is "Arborthor WSP". This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	Other (Specify) _____	
		If "Yes" Package wgt.	No. per container		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Michael Kellogg	Title Agent	Telephone No. (include Area Code) (253) 853-7369
2. Signature 		6. Date Application Received (Stamped)
3. Title Agent		
4. Typed Name Michael Kellogg		5. Date 11/10/07



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# ARBORTHOR WSP

For foliar and systemic control of insect pests of turfgrass, landscape ornamentals, shrubs and trees in lawns, golf courses, landscapes, playgrounds, parks, athletic fields and interior plantscapes.

<b>Active Ingredient:</b>	<b>By Wt.</b>
Imidacloprid .....	75.0%
<b>Other Ingredients:</b> .....	<b>25.0%</b>
<b>TOTAL:</b> .....	<b>100.0%</b>

Keep water soluble packets in outer container until immediately before use. Store in a cool, dry place but not below freezing (32°F).

EPA Reg. No. 82957-3 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 (367-8467) or visit [www.for-thor.com](http://www.for-thor.com).

**NET WEIGHT: As marked on container**

**Manufactured by:**

**ENSYSTEX III, Inc.**

Fayetteville, NC 28303

FIRST AID	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call 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 to an unconscious person.</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 to 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 for 15 to 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>
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-(866)-367-8467 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
No specific antidote is available. Treat the patient symptomatically.	

### PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals

Deleted: **TURFTHOR**

## CAUTION

Harmful if swallowed, inhaled or absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing dust or vapor. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Keep children and pets off treated areas until spray is dry.

**Personal Protective Equipment:** Applicators and other handlers must wear long-sleeved shirt and long pants, chemical resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton and shoes plus socks (PPE). 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 pesticide is highly toxic to aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. 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 if bees are visiting the treatment area.

The properties and characteristics of this chemical are similar to those of agrochemicals that have been detected in groundwater. Using this chemical in areas where the soil is permeable, and particularly where the water table is shallow (close to the ground surface), may result in contamination of the surrounding groundwater.

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Consult your State or Tribe for requirements specific to that jurisdiction.

Do not apply more than 8.6 ounces (0.04 lbs.) of ARBORTHOR WSP per acre per year for any type(s) or combination(s) of applications.

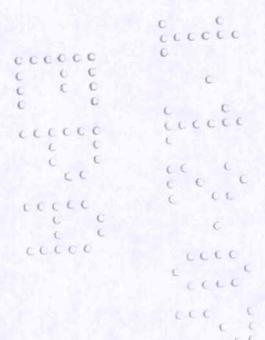
Deleted: **TURFTHOR**

Do not apply in greenhouses or nurseries.

Not for use on sod farm turf or grass grown for commercial seed production.

Not for use on bearing fruit or nut trees.

Do not apply through an irrigation system.



### 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 (but not below freezing (32°F)), dry place and avoid excess heat. Handle and open container in a manner so as to prevent spillage. Do not put concentrate or dilute material into food or drink containers. Preferably store in a locked area.

Exposure to moisture or excessive handling of water soluble packets can cause them to break. Store water soluble packets in original container preferably in a locked area. Do not cut the water soluble packets when opening container.

**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:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, 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.

**In Case of Spill:** Confine it, avoid contact, isolate area and keep animals and unprotected persons away. If spill is liquid, form dike around spill area and/or absorb spill with absorbent materials, such as sand, cat litter or clay. If spill is dry powder only, sweep material into a suitable container. Place damaged package in a holding container and identify contents. Contact Ensytext III at 1-866-367-8467 or Chemtreac at 1-800-424-9300 for any assistance.

### DILUTION AND MIXING OF ARBORTHOR WSP

Each ARBORTHOR WSP outer container contains a number of clear water soluble packets. Do not allow the packets to become wet at any time before putting them into a spray tank at the time of intended mixing. Handling the packets with wet hands or gloves or in a rough manner can cause them to leak. Reseal the outer container if water soluble packets are left inside after opening.

To mix, open the outer container and remove the required number of unopened packets needed for the gallon amount of solution to be mixed. Drop the required number of packets into the spray tank as it is being filled with water with the agitator operating. The elapsed time until the packets are fully dissolved depends on the degree of agitation and the temperature of the water with more time needed for lower levels of agitation and lower temperatures. Generally, a few minutes is sufficient time for the packets to completely dissolve.

Avoid using ARBORTHOR WSP packets in tanks also containing products that contain boron or free chlorine. The packet material may react with the boron or chlorine to form a non-water soluble compound instead of dissolving into the water. However chlorinated water use is acceptable and will not cause this compound to form or reaction to occur. Because the packets are soluble in water but not oil, do not attempt to use packets in diesel oil or summer spray oils.

### APPLICATION FOR TURF PESTS

ARBORTHOR WSP controls or suppresses a wide range of soil inhabiting turfgrass insect pests. ARBORTHOR WSP is not for use on turfgrass grown for sale (sod farms), commercial seed production or for research.

#### Application Sites

Permitted sites include but are not limited to lawns, grounds and landscapes at and/or around residences including multi-unit, commercial, office and shopping buildings and complexes, recreational areas, playgrounds, athletic fields, golf courses, cemeteries, airports and parks.

#### Application Timing

The active ingredient in ARBORTHOR WSP, imidacloprid, has sufficiently long-lasting residual activity that applications can be made prior to egg laying by the target pest(s). Optimum control of turf pests will be achieved when application is made prior to egg hatch followed by sufficient irrigation or rainfall to move the active ingredient through the thatch and down into the underlying soil. Applications can be timed based on past experiences at the site or in the area, current results of adult monitoring/trapping or other methods.

If necessary, consult resources in horticulture in your area (such as your Cooperative Extension Service) to determine appropriate application timing.

#### Post Application Watering and Mowing

Optimum control is achieved if irrigation or rainfall occurs within 24 hours after application. Uniformity of application may be adversely affected if turf is mowed prior to irrigation/rainfall occurring.

#### Application Precautions and Preparations

Keep children and pets off treated areas until spray has dried.

Application should not be made to turf that is frozen, waterlogged or is saturated with water. Turf in this condition will not allow the necessary vertical distribution of the active ingredient down into the soil.

ARBORTHOR WSP can be mixed with other insecticides, miticides, fungicides and fertilizers. Follow the label directions of all the products mixed, making sure not to exceed the labeled application rate of any individual product in the mixture. Any tank mixture that has not been tested before should be tested before full scale use by first mixing a small quantity of the mixture to ensure there is no physical or chemical incompatibility.

#### Application Equipment and Methods

Apply the indicated amount ARBORTHOR WSP mixed in a volume of water sufficient to adequately distribute the active ingredient to the target area(s). Apply ARBORTHOR WSP solution as a spray of uniform, coarse droplets at a pressure low enough to eliminate drift from the target area. Properly calibrated application equipment must be used to apply ARBORTHOR WSP.

#### Turf Application Use Rates

Use Rate Table for ARBORTHOR WSP for Turf Applications	
Use Rate	Ounces (Packets) per 1,000 sq. feet
A	1.6 ounces (1 packet) per 8,250 to 11,000 sq. ft.
B	1.6 ounces (1 packet) per 8,250 sq. ft.

#### Turf Application Volumes

The calculated amount of ARBORTHOR WSP can be applied in any volume of water as long as the maximum label rate is not exceeded. Do not exceed the maximum label rate by applying solution to an area smaller than intended when it was mixed and diluted unless such under dosing will not result in an application rate in excess of the maximum label rate.

### Turf Pests Grouped by Use Rates

**Use Rate A:** Larvae of Annual bluegrass weevil, Asiatic garden beetle, Chinch bug, Black Turfgrass ateenius, Cutworms (suppression only), European chafer, European Crane Fly, Green June beetle, Japanese beetle, Northern masked chafer, Oriental beetle, *Phyllophaga* spp., Southern masked chafer

**Use Rate B:** Chinch bug (suppression only), Mole Crickets

### Application Recommendations Against Specific Turf Pests

Grubs, billbugs, annual bluegrass weevil and European crane fly: Optimum control is obtained when application is made prior to egg hatch.

Chinch bugs: To maximize suppression, make application prior to the hatch of the first instar nymphs.

Mole crickets: Make application prior to or during the period of peak egg hatch. Apply an adjuvant in conjunction with ARBORTHOR WSP if adults or large nymphs are present and tunneling at the time of application.

### FOLIAR AND BROADCAST APPLICATION FOR ORNAMENTAL PESTS

ARBORTHOR WSP applied to foliage and broadcast on the soil, controls a wide range of insects on trees (including non-bearing fruit and nut trees), shrubs, evergreens, flowers, foliage plants, ground covers and interior plantscapes. Non-bearing trees are perennial plants that will not produce a harvestable agricultural commodity within the next 12 months. ARBORTHOR WSP is not for use on plants being grown for sale, fruit, nut or commercial seed production or for research purposes.

ARBORTHOR WSP is a systemic insecticide meaning it will be translocated by the plant's vascular system from the roots up into the body of the plant. This means optimum effectiveness of ARBORTHOR WSP is realized when ARBORTHOR WSP is applied on or near a growing portion of the plant from which it can be translocated to other parts of the plant. Combining ARBORTHOR WSP with a nitrogen containing fertilizer may accelerate or otherwise enhance the uptake of the active ingredient into the plant.

Translocation of soil directed applications made to woody stemmed plants can be delayed by up to 60 days. Optimum levels of control are realized when applications are performed sufficiently prior to anticipated pest infestations.

#### Application Sites

For use on ornamental plants including but not limited to trees (including non-bearing fruit and nut trees), shrubs, evergreens, flowers, ground covers, bedding plants and foliage plants. Permitted sites include but are not limited to landscapes, forests (public and private), ornamental gardens, parks, lawns, grounds, golf courses and interior plantscapes at and/or around residences including multi-unit, commercial, office and shopping buildings and complexes, recreational areas, playgrounds, athletic fields, golf courses, cemeteries, airports and parks, public and private wooded and forested areas.

#### Application Preparation

ARBORTHOR WSP can be mixed with other insecticides, miticides, fungicides and fertilizers. Follow the label directions of all the products mixed, making sure not to exceed the labeled application rate of any individual product in the mixture. Any tank mixture that has not been tested before should be tested before full scale use by first mixing a small quantity of the mixture to ensure there is no physical or chemical incompatibility.

If necessary, consult resources in horticulture in your area (such as your Cooperative Extension Service) to determine appropriate application timing.

#### Foliar Application

Foliar application of ARBORTHOR WSP offers local systemic activity against insect pests. Applications to plants with hard to wet foliage such as holly, pine or ivy should be applied in combination with a spreader / sticker.

#### Ornamental Application to Control Ants

ARBORTHOR WSP can be used to indirectly control ants when applied to control aphids, scale insects, mealybugs and other sucking insects on ornamentals thereby limiting the amount of honeydew available.

#### Foliar Application Volumes and Application Methods

Establish quantity of water necessary to uniformly wet foliage. Mix required amount of ARBORTHOR WSP (from the table below) in that quantity of water. Begin treatments prior to establishment of high pest populations. Reapply as needed.

Mixing Table for ARBORTHOR WSP for Foliar Applications	
Use Rate	Ounces (Packets) per 300 gallons of water
A	1.6 ounces (1 packet) per 300 gallons of water

#### Ornamental Pests Controlled by Foliar Application

Adelgids, Aphids, Japanese beetles, Lace bugs, Leaf beetles (including elm and viburnum leaf beetles), Leafhoppers (including glassy-winged sharpshooter), Mealybugs, Psyllids, Sawfly larvae, Thrips (suppression), Whiteflies.

#### Broadcast Application

##### Broadcast Application Use Rate

Use Rate Table for ARBORTHOR WSP for Broadcast Applications	
Use Rate	Ounces (Packets) per 8,250 to 11,000 sq. ft.
A	1.6 ounces (1 packet) per 8,250 to 11,000 sq. ft.

##### Broadcast Application Volume and Application Method

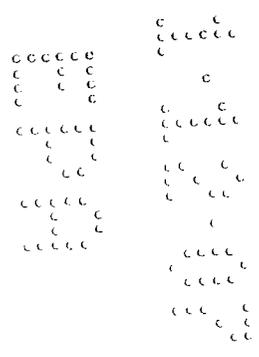
Mix required amount of product in a quantity of water sufficient to uniformly treat area. Use a minimum of 2 gallons of water per 1000 square feet. To achieve optimum control, irrigate treated area in order to incorporate treatment into upper level of soil. May be applied and incorporated into flowerbed soil before planting.

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

#### Ornamental Pests Controlled by Broadcast Application

White grub larvae such as Japanese beetle larvae, Chafers, *Phyllophaga* spp., Asiatic garden beetle, Oriental beetle

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# SOIL INJECTION AND SOIL DRENCH FOR ORNAMENTAL PESTS

**ARBORTHOR WSP**, applied as a soil drench or soil injection, controls a wide range of insects on trees (including non-bearing fruit and nut trees), shrubs, evergreens, flowers, foliage plants, ground covers and interior plantscapes. Non-bearing trees are perennial plants that will not produce a harvestable agricultural commodity within the next 12 months. **ARBORTHOR WSP** is not for use on plants being grown for sale, fruit, nut or commercial seed production or for research purposes.

**ARBORTHOR WSP** is a systemic insecticide meaning it will be translocated by the plant's vascular system from the roots up into the body of the plant. This means optimum effectiveness of **ARBORTHOR WSP** is realized when **ARBORTHOR WSP** is applied on or near a growing portion of the plant from which it can be translocated to other parts of the plant. Combining **ARBORTHOR WSP** with a nitrogen containing fertilizer may accelerate or otherwise enhance the uptake of the active ingredient into the plant.

Translocation of soil directed applications made to woody stemmed plants can be delayed by up to 60 days. Optimum levels of control are realized when applications are performed sufficiently prior to anticipated pest infestations.

Applications to trees for the control of existing borer infestations may not prevent the eventual loss of the tree due to existing damage already caused by the pest and stress to the tree caused by the pest infestation.

### Application Sites

For use on ornamental plants including but not limited to trees (including non-bearing fruit and nut trees), shrubs, evergreens, flowers, ground covers, bedding plants and foliage plants. Permitted sites include but are not limited to landscapes, forests (public and private), ornamental gardens, parks, lawns, grounds, golf courses and interior plantscapes at and/or around residences including multi-unit, commercial, office and shopping buildings and complexes, recreational areas, playgrounds, athletic fields, golf courses, cemeteries, airports and parks, public and private wooded and forested areas.

### Application Preparation

**ARBORTHOR WSP** can be mixed with other insecticides, miticides, fungicides and fertilizers. Follow the label directions of all the products mixed, making sure not to exceed the labeled application rate of any individual product in the mixture. Any tank mixture that has not been tested before should be tested before full scale use by first mixing a small quantity of the mixture to ensure there is no physical or chemical incompatibility.

If necessary, consult resources in horticulture in your area (such as your Cooperative Extension Service) to determine appropriate application timing.

### Ornamental Pests Controlled by Soil Injection or Drench Application

Adelgids, Aphids, Armored scales (suppression), Black vine weevil larvae, Emerald ash borer, Eucalyptus longhorned borer, Flatheaded borers (including bronze birch borer and alder borer), Japanese beetles, Lace bugs, Leaf beetles (including elm and viburnum leaf beetles), Leafhoppers (including glassy-winged sharpshooter), Leaf miners, Mealybugs, Pine tip moth larvae, Psyllids, Royal palm bugs, Sawfly larvae, Soft scales, Thrips (suppression only), White grub larvae, Whiteflies.

### Soil Injection for Trees

Soil Injection is not allowed in Nassau and Suffolk Counties of New York

#### Soil Injection Use Rate for Trees

Use Rate Table for <b>ARBORTHOR WSP</b> for Soil Injection for Trees
1.6 ounces (1 packet) per 24 to 48 inches of cumulative trunk diameter

#### Soil Injection Volume and Application Method for Trees

Mix the calculated amount of **ARBORTHOR WSP** in the amount of water determined to be adequate for the solution to be adequately dispersed. Apply at a low pressure according to one of the two following methods. Make a minimum of 4 injection holes per tree. For optimum control, maintain a high level of soil moisture in the treated area for 7 to 10 days after treatment.

**Grid Injection:** Evenly space holes on 2.5 foot centers in a grid pattern in the soil beneath the tree's branches/foliage out to the tree's drip line.

**Basal Injection:** Evenly space injection holes around the base of the tree no more than 12 inches out from the tree.

### Soil Drench for Trees

#### Soil Drench Use Rate for Trees

Use Rate Table for <b>ARBORTHOR WSP</b> for Soil Drench for Trees
1.6 ounces (1 packet) per 24 to 48 inches of cumulative trunk diameter

#### Soil Drench Volume and Application Method for Trees

Mix the calculated amount of **ARBORTHOR WSP** in the amount of water determined to be adequate for the solution to be adequately dispersed. Apply solution at a rate of no less than 10 gallons per 1000 square feet around the base of the tree. If present, remove any barrier to the movement of the solution into the soil such as a plastic vapor barrier.

### Soil Injection for Shrubs

Soil Injection is not allowed in Nassau and Suffolk Counties of New York

#### Soil Injection Use Rate for Shrubs

Use Rate Table for <b>ARBORTHOR WSP</b> for Soil Injection for Shrubs
1.6 ounces (1 packet) per 24 to 48 cumulative ft. of shrub height

#### Soil Injection Volume and Application Method for Shrubs

Mix the calculated amount of **ARBORTHOR WSP** in the amount of water determined to be adequate for the treatment to be adequately dispersed. Apply at a low pressure making a minimum of 4 injection holes per shrub. For optimum control, maintain a high level of soil moisture in the treated area for 7 to 10 days after treatment.

### Soil Drench for Shrubs

#### Soil Drench Use Rate for Shrubs

Use Rate Table for <b>ARBORTHOR WSP</b> for Soil Drench for Shrubs
1.6 ounces (1 packet) per 24 to 48 cumulative ft. of shrub height

### Soil Drench Volume and Application Method for Shrubs

Mix the calculated amount of **ARBORTHOR WSP** in the amount of water determined to be adequate for the solution to be adequately dispersed. Apply solution at a rate of no less than 10 gallons per 1000 square feet around the base of the shrub. If present, remove any barrier to the movement of the solution into the soil such as a plastic vapor barrier.

### ATTENTION

Do not graze treated areas or use clippings from treated areas for feed or forage.

Avoid runoff or puddling of irrigation water following application.

Avoid application to areas in which penetration to the root zone is unlikely to occur such as areas that are waterlogged, saturated or frozen.

### 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 must be followed carefully. However, because of manner of use and other factors beyond the control of Ensysstex III, Inc., it is impossible for Ensysstex III 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 Ensysstex III harmless for any claims relating to such factors.

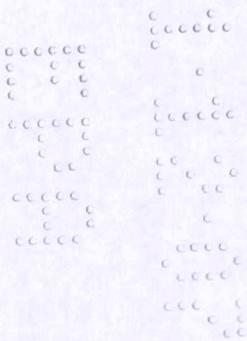
**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable laws, seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the Directions for Use under normal conditions of use. **ENSYSTEX III 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 Ensysstex III, Inc., and buyer assumes the risk of any such use.

**LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, Ensysstex III 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 III 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 III, 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.

**ARBORTHOR** is a registered trademark of Ensysstex III, Inc.  
Revised 01/07

Deleted: TURFTHOR



**NEXT**

**LABEL**

82957-3

1/31/2007

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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

JAN 31 2007

Mr. Michael Kellogg, Agent  
Etigra c/o  
Pyxis Regulatory Consulting, Inc.  
4110 136 St. NW  
Gig Harbor, WA 98332

SUBJECT: Application for Pesticide Notification (PRN 98-10)  
Request Alternate Brand Name "Turfthor WSP"  
EPA Reg. No. 82957-3  
Application Dated January 10, 2007

Dear: Mr. Kellogg,

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 01/10/2007 for the above product. The Registration Division (RD) has conducted a preliminary screen of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Owen F. Beeder of my staff at 703-308-8899.

Sincerely,

A handwritten signature in cursive script that reads "Linda Arrington".

Linda Arrington  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs

SIC



United States  
Environmental Protection Agency  
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

### Application for Pesticide - Section I

1. Company/Product Number 82957-3	2. EPA Product Manager V. Eagle	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Ensystex III, Inc. / Turfthor WP	PM# 1	
5. Name and Address of Applicant (Include ZIP Code) Ensystex III, Inc. c/o Pyxis Regulatory Consulting, Inc. 4110 136th St. NW Gig Harbor, WA 98332 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

### Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

Notification of the addition of an alternate brand name per PRN 98-10. The alternate brand name is "Turfthor WSP". This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

### Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

### Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Michael Kellogg	Title Agent	Telephone No. (Include Area Code) (253) 853-7369
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<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received <b>(Stamped)</b>
2. Signature 	3. Title Agent		
4. Typed Name Michael Kellogg	5. Date 11/06/07		





# TURFTHOR WSP

For foliar and systemic control of insect pests of turfgrass, landscape ornamentals, shrubs and trees in lawns, golf courses, landscapes, playgrounds, parks, athletic fields and interior plantscapes.

Active Ingredient:	By Wt.
Imidacloprid .....	75.0%
Other Ingredients: .....	25.0%
TOTAL: .....	100.0%

Keep water soluble packets in outer container until immediately before use. Store in a cool, dry place but not below freezing (32°F).

EPA Reg. No. 82957-3 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 (367-8467) or visit [www.for-thor.com](http://www.for-thor.com).

**NET WEIGHT: As marked on container**

Manufactured by:

**ENSYSTEX III, Inc.**

Fayetteville, NC 28303

FIRST AID	
If swallowed	<ul style="list-style-type: none"> <li>• Call 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 to an unconscious person.</li> </ul>
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>
If in eyes	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 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>
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-(866)-367-8467 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
No specific antidote is available. Treat the patient symptomatically.	

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### PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals

## CAUTION

Harmful if swallowed, inhaled or absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing dust or vapor. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Keep children and pets off treated areas until spray is dry.

**Personal Protective Equipment:** Applicators and other handlers must wear long-sleeved shirt and long pants, chemical resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton and shoes plus socks (PPE). 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 pesticide is highly toxic to aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. 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 if bees are visiting the treatment area.

The properties and characteristics of this chemical are similar to those of agrochemicals that have been detected in groundwater. Using this chemical in areas where the soil is permeable, and particularly where the water table is shallow (close to the ground surface), may result in contamination of the surrounding groundwater.

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Consult your State or Tribe for requirements specific to that jurisdiction.

Do not apply more than 8.6 ounces (0.04 lbs.) of TURFTHOR WSP per acre per year for any type(s) or combination(s) of applications.

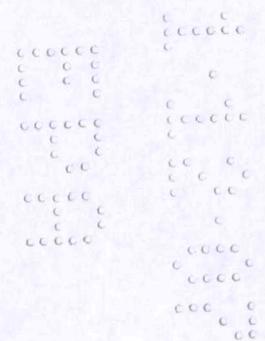
Do not apply in greenhouses or nurseries.

Not for use on sod farm turf or grass grown for commercial seed production.

Not for use on bearing fruit or nut trees.

Do not apply through an irrigation system.

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### 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 (but not below freezing (32°F)), dry place and avoid excess heat. Handle and open container in a manner so as to prevent spillage. Do not put concentrate or dilute material into food or drink containers. Preferably store in a locked area.

Exposure to moisture or excessive handling of water soluble packets can cause them to break. Store water soluble packets in original container preferably in a locked area. Do not cut the water soluble packets when opening container.

**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:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, 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.

**In Case of Spill:** Confine it, avoid contact, isolate area and keep animals and unprotected persons away. If spill is liquid, form dike around spill area and/or absorb spill with absorbent materials, such as sand, cat litter or clay. If spill is dry powder only, sweep material into a suitable container. Place damaged package in a holding container and identify contents. Contact Enstex III at 1-866-367-8467 or Chemtrec at 1-800-424-9300 for any assistance.

### DILUTION AND MIXING OF TURFTHOR WSP

Each TURFTHOR WSP outer container contains a number of clear water soluble packets. Do not allow the packets to become wet at any time before putting them into a spray tank at the time of intended mixing. Handling the packets with wet hands or gloves or in a rough manner can cause them to leak. Reseal the outer container if water soluble packets are left inside after opening.

To mix, open the outer container and remove the required number of unopened packets needed for the gallon amount of solution to be mixed. Drop the required number of packets into the spray tank as it is being filled with water with the agitator operating. The elapsed time until the packets are fully dissolved depends on the degree of agitation and the temperature of the water with more time needed for lower levels of agitation and lower temperatures. Generally, a few minutes is sufficient time for the packets to completely dissolve.

Avoid using TURFTHOR WSP packets in tanks also containing products that contain boron or free chlorine. The packet material may react with the boron or chlorine to form a non-water soluble compound instead of dissolving into the water. However chlorinated water use is acceptable and will not cause this compound to form or reaction to occur. Because the packets are soluble in water but not oil, do not attempt to use packets in diesel oil or summer spray oils.

### APPLICATION FOR TURF PESTS

TURFTHOR WSP controls or suppresses a wide range of soil inhabiting turfgrass insect pests. TURFTHOR WSP is not for use on turfgrass grown for sale (seed farms), commercial seed production or for research.

#### Application Sites

Permitted sites include but are not limited to lawns, grounds and landscapes at and/or around residences including multi-unit, commercial, office and shopping buildings and complexes, recreational areas, playgrounds, athletic fields, golf courses, cemeteries, airports and parks.

#### Application Timing

The active ingredient in TURFTHOR WSP, imidacloprid, has sufficiently long-lasting residual activity that applications can be made prior to egg laying by the target pest(s). Optimum control of turf pests will be achieved when application is made prior to egg hatch followed by sufficient irrigation or rainfall to move the active ingredient through the thatch and down into the underlying soil. Applications can be timed based on past experiences at the site or in the area, current results of adult monitoring/trapping or other methods.

If necessary, consult resources in horticulture in your area (such as your Cooperative Extension Service) to determine appropriate application timing.

#### Post Application Watering and Mowing

Optimum control is achieved if irrigation or rainfall occurs within 24 hours after application. Uniformity of application may be adversely affected if turf is mowed prior to irrigation/rainfall occurring.

#### Application Precautions and Preparations

Keep children and pets off treated areas until spray has dried.

Application should not be made to turf that is frozen, waterlogged or is saturated with water. Turf in this condition will not allow the necessary vertical distribution of the active ingredient down into the soil.

TURFTHOR WSP can be mixed with other insecticides, miticides, fungicides and fertilizers. Follow the label directions of all the products mixed, making sure not to exceed the labeled application rate of any individual product in the mixture. Any tank mixture that has not been tested before should be tested before full scale use by first mixing a small quantity of the mixture to ensure there is no physical or chemical incompatibility.

#### Application Equipment and Methods

Apply the indicated amount TURFTHOR WSP mixed in a volume of water sufficient to adequately distribute the active ingredient to the target area(s). Apply TURFTHOR WSP solution as a spray of uniform, coarse droplets at a pressure low enough to eliminate drift from the target area. Properly calibrated application equipment must be used to apply TURFTHOR WSP.

#### Turf Application Use Rates

Use Rate Table for TURFTHOR WSP for Turf Applications	
Use Rate	Ounces (Packets) per 1,000 sq. feet
A	1.6 ounces (1 packet) per 8,250 to 11,000 sq. ft.
B	1.6 ounces (1 packet) per 8,250 sq. ft.

#### Turf Application Volumes

The calculated amount of TURFTHOR WSP can be applied in any volume of water as long as the maximum label rate is not exceeded. Do not exceed the maximum label rate by applying solution to an area smaller than intended when it was mixed and diluted unless such under dosing will not result in an application rate in excess of the maximum label rate.

### Turf Pests Grouped by Use Rates

**Use Rate A:** Larvae of: Annual bluegrass weevil, Asiatic garden beetle, Billbug, Black turfgrass ateenius, Cutworms (suppression only), European chafer, European Crane Fly, Green June beetle, Japanese beetle, Northern masked chafer, Oriental beetle, *Phyllophaga* spp., Southern masked chafer

**Use Rate B:** Chinch bug (suppression only), Mole Crickets

#### Application Recommendations Against Specific Turf Pests

**Grubs, billbugs, annual bluegrass weevil and European crane fly:** Optimum control is obtained when application is made prior to egg hatch.

**Chinch bugs:** To maximize suppression, make application prior to the hatch of the first instar nymphs.

**Mole crickets:** Make application prior to or during the period of peak egg hatch. Apply an adjuvant in conjunction with TURFTHOR WSP if adults or large nymphs are present and tunneling at the time of application.

### FOLIAR AND BROADCAST APPLICATION FOR ORNAMENTAL PESTS

TURFTHOR WSP, applied to foliage and broadcast on the soil, controls a wide range of insects on trees (including non-bearing fruit and nut trees), shrubs, evergreens, flowers, foliage plants, ground covers and interior plantscapes. Non-bearing trees are perennial plants that will not produce a harvestable agricultural commodity within the next 12 months. TURFTHOR WSP is not for use on plants being grown for sale, fruit, nut or commercial seed production or for research purposes.

TURFTHOR WSP is a systemic insecticide meaning it will be translocated by the plant's vascular system from the roots up into the body of the plant. This means optimum effectiveness of TURFTHOR WSP is realized when TURFTHOR WSP is applied on or near a growing portion of the plant from which it can be translocated to other parts of the plant. Combining TURFTHOR WSP with a nitrogen containing fertilizer may accelerate or otherwise enhance the uptake of the active ingredient into the plant.

Translocation of soil directed applications made to woody stemmed plants can be delayed by up to 60 days. Optimum levels of control are realized when applications are performed sufficiently prior to anticipated pest infestations.

#### Application Sites

For use on ornamental plants including but not limited to trees (including non-bearing fruit and nut trees), shrubs, evergreens, flowers, ground covers, bedding plants and foliage plants. Permitted sites include but are not limited to landscapes, forests (public and private), ornamental gardens, parks, lawns, grounds, golf courses and interior plantscapes at and/or around residences including multi-unit, commercial, office and shopping buildings and complexes, recreational areas, playgrounds, athletic fields, golf courses, cemeteries, airports and parks, public and private wooded and forested areas.

#### Application Preparation

TURFTHOR WSP can be mixed with other insecticides, miticides, fungicides and fertilizers. Follow the label directions of all the products mixed, making sure not to exceed the labeled application rate of any individual product in the mixture. Any tank mixture that has not been tested before should be tested before full scale use by first mixing a small quantity of the mixture to ensure there is no physical or chemical incompatibility.

If necessary, consult resources in horticulture in your area (such as your Cooperative Extension Service) to determine appropriate application timing.

#### Foliar Application

Foliar application of TURFTHOR WSP offers local systemic activity against insect pests. Applications to plants with hard to wet foliage such as holly, pine or ivy should be applied in combination with a spreader / sticker.

#### Ornamental Application to Control Ants

TURFTHOR WSP can be used to indirectly control ants when applied to control aphids, scale insects, mealybugs and other sucking insects on ornamentals thereby limiting the amount of honeydew available.

#### Foliar Application Volumes and Application Methods

Establish quantity of water necessary to uniformly wet foliage. Mix required amount of TURFTHOR WSP (from the table below) in that quantity of water. Begin treatments prior to establishment of high pest populations. Reapply as needed.

##### Mixing Table for TURFTHOR WSP for Foliar Applications

1.6 ounces (1 packet) per 300 gallons of water.

#### Ornamental Pests Controlled by Foliar Application

Adelgids, Aphids, Japanese beetles, Lace bugs, Leaf beetles (including elm and viburnum leaf beetles), Leafhoppers (including glassy-winged sharpshooter), Mealybugs, Psyllids, Sawfly larvae, Thrips (suppression), Whiteflies.

#### Broadcast Application

##### Broadcast Application Use Rate

##### Use Rate Table for TURFTHOR WSP for Broadcast Applications

1.6 ounces (1 packet) per 8,250 to 11,000 sq. ft.

#### Broadcast Application Volume and Application Method

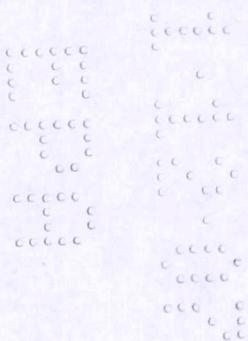
Mix required amount of product in a quantity of water sufficient to uniformly treat area. Use a minimum of 2 gallons of water per 1000 square feet. To achieve optimum control, irrigate treated area in order to incorporate treatment into upper level of soil. May be applied and incorporated into flowerbed soil before planting.

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

#### Ornamental Pests Controlled by Broadcast Application

White grub larvae such as Japanese beetle larvae, Chafers, *Phyllophaga* spp., Asiatic garden beetle, Oriental beetle

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# SOIL INJECTION AND SOIL DRENCH FOR ORNAMENTAL PESTS

TURFTHOR WSP, applied as a soil drench or soil injection, controls a wide range of insects on trees (including non-bearing fruit and nut trees), shrubs, evergreens, flowers, foliage plants, ground covers and interior plantscapes. Non-bearing trees are perennial plants that will not produce a harvestable agricultural commodity within the next 12 months. TURFTHOR WSP is not for use on plants being grown for sale, fruit, nut or commercial seed production or for research purposes.

TURFTHOR WSP is a systemic insecticide meaning it will be translocated by the plant's vascular system from the roots up into the body of the plant. This means optimum effectiveness of TURFTHOR WSP is realized when TURFTHOR WSP is applied on or near a growing portion of the plant from which it can be translocated to other parts of the plant. Combining TURFTHOR WSP with a nitrogen containing fertilizer may accelerate or otherwise enhance the uptake of the active ingredient into the plant.

Translocation of soil directed applications made to woody stemmed plants can be delayed by up to 60 days. Optimum levels of control are realized when applications are performed sufficiently prior to anticipated pest infestations.

Applications to trees for the control of existing borer infestations may not prevent the eventual loss of the tree due to existing damage already caused by the pest and stress to the tree caused by the pest infestation.

### Application Sites

For use on ornamental plants including but not limited to trees (including non-bearing fruit and nut trees), shrubs, evergreens, flowers, ground covers, bedding plants and foliage plants. Permitted sites include but are not limited to landscapes, forests (public and private), ornamental gardens, parks, lawns, grounds, golf courses and interior plantscapes at and/or around residences including multi-unit, commercial, office and shopping buildings and complexes, recreational areas, playgrounds, athletic fields, golf courses, cemeteries, airports and parks, public and private wooded and forested areas.

### Application Preparation

TURFTHOR WSP can be mixed with other insecticides, miticides, fungicides and fertilizers. Follow the label directions of all the products mixed, making sure not to exceed the labeled application rate of any individual product in the mixture. Any tank mixture that has not been tested before should be tested before full scale use by first mixing a small quantity of the mixture to ensure there is no physical or chemical incompatibility.

If necessary, consult resources in horticulture in your area (such as your Cooperative Extension Service) to determine appropriate application timing.

### Ornamental Pests Controlled by Soil Injection or Drench Application

Adeigids, Aphids, Armored scales (suppression), Black vine weevil larvae, Emerald ash borer, Eucalyptus longhorned borer, Flatheaded borers (including bronze birch borer and alder borer), Japanese beetles, Lace bugs, Leaf beetles (including elm and viburnum leaf beetles), Leafhoppers (including glassy-winged sharpshooter), Leaf miners, Mealybugs, Pine tip moth larvae, Psyllids, Royal palm bugs, Sawfly larvae, Soft scales, Thrips (suppression only), White grub larvae, Whiteflies.

### Soil Injection for Trees

Soil Injection is not allowed in Nassau and Suffolk Counties of New York

### Soil Injection Use Rate for Trees

Use Rate Table for TURFTHOR WSP for Soil Injection for Trees
1.6 ounces (1 packet) per 24 to 48 inches of cumulative trunk diameter

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### Soil Injection Volume and Application Method for Trees

Mix the calculated amount of TURFTHOR WSP in the amount of water determined to be adequate for the treatment to be adequately dispersed. Apply at a low pressure according to one of the two following methods. Make a minimum of 4 injection holes per tree. For optimum control, maintain a high level of soil moisture in the treated area for 7 to 10 days after treatment.

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Grid Injection: Evenly space holes on 2.5 foot centers in a grid pattern in the soil beneath the tree's branches/foliage out to the tree's drip line.

Basal Injection: Evenly space injection holes around the base of the tree no more than 12 inches out from the tree.

### Soil Drench for Trees

### Soil Drench Use Rate for Trees

Use Rate Table for TURFTHOR WSP for Soil Drench for Trees
1.6 ounces (1 packet) per 24 to 48 inches of cumulative trunk diameter

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### Soil Drench Volume and Application Method for Trees

Mix the calculated amount of TURFTHOR WSP in the amount of water determined to be adequate for the solution to be adequately dispersed. Apply solution at a rate of no less than 10 gallons per 1000 square feet around the base of the tree. If present, remove any barrier to the movement of the solution into the soil such as a plastic vapor barrier.

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### Soil Injection for Shrubs

Soil Injection is not allowed in Nassau and Suffolk Counties of New York

### Soil Injection Use Rate for Shrubs

Use Rate Table for TURFTHOR WSP for Soil Injection for Shrubs
1.6 ounces (1 packet) per 24 to 48 cumulative ft. of shrub height

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### Soil Injection Volume and Application Method for Shrubs

Mix the calculated amount of TURFTHOR WSP in the amount of water determined to be adequate for the treatment to be adequately dispersed. Apply at a low pressure making a minimum of 4 injection holes per shrub. For optimum control, maintain a high level of soil moisture in the treated area for 7 to 10 days after treatment.

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### Soil Drench for Shrubs

### Soil Drench Use Rate for Shrubs

Use Rate Table for TURFTHOR WSP for Soil Drench for Shrubs
1.6 ounces (1 packet) per 24 to 48 cumulative ft. of shrub height

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### Soil Drench Volume and Application Method for Shrubs

Mix the calculated amount of TURFTHOR WSP in the amount of water determined to be adequate for the solution to be adequately dispersed. Apply solution at a rate of no less than 10 gallons per 1000 square feet around the base of the shrub. If present, remove any barrier to the movement of the solution into the soil such as a plastic vapor barrier.

### ATTENTION

Do not graze treated areas or use clippings from treated areas for feed or forage.

Avoid runoff or puddling of irrigation water following application.

Avoid application to areas in which penetration to the root zone is unlikely to occur such as areas that are waterlogged, saturated or frozen.

### 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 must be followed carefully. However, because of manner of use and other factors beyond the control of Ensystem III, Inc., it is impossible for Ensystem III 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 III harmless for any claims relating to such factors.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable laws, seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the Directions for Use under normal conditions of use. ENSYSTEX III 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 III, Inc., and buyer assumes the risk of any such use.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, Ensystem III 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 III 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 III, 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.

TURFTHOR is a registered trademark of Ensystem III, Inc.

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