



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

March 19, 2019

Prachi Pandya  
Federal Regulatory Affairs Associate  
SBM Life Science Corp.  
1001 Winstead Dr., Suite 500  
Cary, NC 27513

Subject: Notification per PRN 98-10 – Add company internet address, label claims, graphic  
Product Name: Insecticide TD Concentrate  
EPA Registration Number: 92564-39  
Application Date: 2/19/2018  
Decision Number: 538462

Dear Ms. Pandya:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

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 have any questions, please contact Jacquelyn Herrick by phone at 703-347-0559, or via email at [herrick.jacquelyn@epa.gov](mailto:herrick.jacquelyn@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "J. Herrick for".

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

(Front Panel)

## Insecticide TD Concentrate

# (ABN) Bayer Advanced 12 Month Tree & Shrub Protect & Feed Concentrate II; Bianova Advanced<sup>TM</sup> 12 Month Tree & Shrub Protect & Feed Concentrate II; BioAdvanced<sup>®TM</sup> 12 Month Tree & Shrub Protect & Feed Concentrate II; BioAdvanced<sup>®TM</sup> Science-Based Solutions 12 Month Tree & Shrub Protect & Feed Concentrate II; Fortifend Advanced<sup>TM</sup> 12 Month Tree & Shrub Protect & Feed Concentrate

### Fertilizer Claims:

- Feeds for up to 3 months
- Keeps on feeding for up to 3 months
- Continuous feeding for up to 3 months
- Feeds and renews for up to 3 months
- Improves plant growth
- Improves plant health
- Restores vitality of trees and shrubs
- Revitalize trees and shrubs
- Spurs tree and shrub recovery
- Stimulates Tree & Shrub recovery
- Advances plant health
- Increases plant health
- Increases plant growth
- Promotes stronger roots systems
- (green color) liquid fertilizer formula
- Provides slow release feeding (fertilizer)

### General & Combination Claims:

- Improved Formula
- (Dual Action) (2 in 1) Formula: Long lasting and Fast acting
- Dual Action - Protect & Feeds
- Easy Measuring Cup (Measure-up Cup®)
- Protects against listed insects (including caterpillars) PLUS improves vitality of trees and shrubs
- No Spray technology
- Protects against listed insects plus restores vitality of trees and shrubs
- No spraying! Just mix and pour at base of tree or shrub
- A new way to protect (and feed) trees and shrubs
- 100% Satisfaction Guaranteed (or your money back)\*

### Pesticidal Claims:

- Formula also kills caterpillars (such as bagworms, gypsy moths, fall webworms, etc.)
- Insects stop eating when they feed on the plant
- Protects trees, shrubs, and containerized plants from damaging insects with one easy treatment
- Helps keep trees and shrubs strong. Protects new growth
- Kills listed[\*] insects that damage trees and shrubs
- Controls - listed[\*]-insects that damage trees and shrubs
- Season long protection
- Year-long listed[\*]-insect protection for trees and shrubs
- Systemic insecticide is absorbed through the roots, carried up into the plant and won't wash off
- Prevents listed[\*] insects from damaging trees and shrubs
- For use on ornamental trees and shrubs and containerized plants
- Kills listed[\*]-insects & prevents new infestations
- Provides 12-Month Insect Protection
- Rainproof Protection
- Apply around plant and walk away
- No spraying, just mix and pour at tree base (trunk)
- No messy spraying
- Do it Yourself Tree Protection
- Delivers 12 month listed[\*] insect protection
- Delivers year long listed[\*] insect protection
- 12-MONTH PROTECTION with one application
- Protects the entire tree or shrub – especially new growth
- Systemic rainproof protection won't wash off
- Kills Emerald Ash Borers
- Kills devastating pests like: Adelgids, Borers, Caterpillars, Emerald Ash Borers, Leafminers, Japanese Beetles, and many others
- Contains MERIT®
- New-Kills Caterpillars (such as bagworms, gypsy moths, fall webworms)
- Caterpillar Killer Formula

## NOTIFICATION

92564-39

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

03/19/2019

Marketing Claim for Brand Name Change:

New Name. Same Great Results.

New Name. Same Familiar Formula.

New Name. Same Performance.

[The word "listed" can appear as a footnote on the same page as the claim with the appropriate phrase, such as \*listed insects]

**2-1-1X-X-X-FERTILIZER ANALYSIS**

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**ACTIVE INGREDIENTS:**

Imidacloprid..... 0.74%

Clothianidin.....0.37%

**OTHER INGREDIENTS:**..... 98.89 %

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**Net Contents:** 32 oz., 40 oz., 1 Gallon, 1.25 Gallon, and 64 fl. oz.

**STOP - Read This Entire Label Before Use**

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**See Back Panel [Booklet] for Additional Precautionary Statements** Text in ( ) is optional.


**[(BACK PANEL)]**

This product provides fast acting and 12-month long lasting systemic protection against damaging listed insects including Adelgids, Aphids, Borers (including Emerald ash borer), Caterpillars, Japanese beetles, (adult), Leafminers, Scale, and Whiteflies plus feeds in a single application. Having beautiful trees and shrubs has never been easier.

Read the Label First!

**QUICK FACTS**

- Provides 12-month Long Insect Protection
- Rain or Moisture can not wash off this internal protection
- Rainproof Protection
- Dual action, kills insects and feeds your tree
- Two Products in one, an insect killer and a fertilizer
- Two-in-One -formula kills insects while feeding your tree
- Double Action Formula (2-in-1), -kill insects and feeds your tree
- Provides slow release feeding
- No Spraying! Just mix...and pour...Protects and feeds entire tree and shrub

<b>KILLS</b>	Adelgids, aphids, borers (including emerald ash borer), caterpillars, Japanese beetles, leafminers, scale, whiteflies and other listed pests
<b>WHERE TO USE</b>	Outdoor ornamental trees and shrubs and containerized plants. This product is only for non-bearing fruit and nut trees. Non-bearing fruits and nuts are plants that do not bear edible fruits and nuts for at least 12 months after application of pesticides. <b>Not for use on lawns.</b>
<b>HOW TO USE</b>	1. Measure distance around tree trunk or height of shrub or determine container size 2. Measure and pour required amount of product into bucket of water 3. Pour solution around tree or shrub base or in container
<b>HOW MUCH TO USE</b>	<b>Trees:</b> 1 oz for every inch of distance around trunk; treats 4 trees that measure 8 inches around trunk (32 fl oz size) <b>Shrubs:</b> 3 oz for every foot of height; treats 5 shrubs that are 2 foot tall (32 fl oz size) <b>Containerized Plants:</b> 1 2/3 Tablespoons for each five gallon container; treats up to 42 - five gallon containers (32 fl oz size)
	For questions or comments, call toll-free 1-877-229-3724 or visit our website at <a href="http://www.bianovaadvanced.com">www.bianovaadvanced.com</a> <a href="http://www.BioAdvanced.com">www.BioAdvanced.com</a> <a href="http://www.bioadvancedsciencebasedsolutions.com">www.bioadvancedsciencebasedsolutions.com</a> <a href="http://www.fortifendadvanced.com">www.fortifendadvanced.com</a>

**FOR OUTDOOR RESIDENTIAL USE ONLY**

**ACTIVE INGREDIENTS:**

Imidacloprid..... 0.74 %  
Clothianidin.....0.37%

**OTHER INGREDIENTS:**..... **98.89 %**  
100.00%

EPA Reg. No. 92564-39

EPA Est. No. XXXX-AA-XX

FERTILIZER ANALYSIS ~~-2-1-1X-X-X~~

Information regarding the contents and levels of metals in this product are available on the Internet at <http://www.aapfco.org/metals.html>.

<b>First Aid +</b> <u>neonicotinyl Insecticide</u>	
<b><u>If swallowed:</u></b>	<ul style="list-style-type: none"> <li>• <u>Call a poison control center or doctor immediately for treatment advice</u></li> <li>• <u>Have person sip a glass of water if able to swallow.</u></li> <li>• <u>Do not induce vomiting unless told to do so by the poison control center or doctor.</u></li> <li>• <u>Do not give anything by mouth to an unconscious person.</u></li> </ul>
<b><u>If Inhaled:</u></b>	<ul style="list-style-type: none"> <li>• <u>Move person to fresh air.</u></li> <li>• <u>If person is not breathing, call 911 or an ambulance, then give artificial respiration.</u></li> <li>• <u>Call a poison control center or doctor for further treatment advice.</u></li> </ul>
<b><u>If on skin or clothing:</u></b>	<ul style="list-style-type: none"> <li>• <u>Take off contaminated clothing.</u></li> <li>• <u>Rinse skin immediately with plenty of water for 15 to 20 minutes.</u></li> <li>• <u>Call a poison control center or doctor for treatment advice.</u></li> </ul>
<b><u>If in eyes:</u></b>	<ul style="list-style-type: none"> <li>• <u>Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</u></li> <li>• <u>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</u></li> <li>• <u>Call a poison control center or doctor for treatment advice.</u></li> </ul>
<p><b><u>NOTE:</u></b> Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may contact 877-229-3763 for emergency medical treatment information. Active Ingredients: 0.74% Imidacloprid (CAS # 138261-41-3) and 0.37% Clothianidin (CAS # 210880-92-5)</p>	

## **PRECAUTIONARY STATEMENTS**

### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

#### **CAUTION**

- Harmful if absorbed through skin. Harmful if swallowed.
- Avoid contact with skin, eyes, or clothing.
- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.
- Remove and wash contaminated clothing before reuse.

### **ENVIRONMENTAL HAZARDS**

- This pesticide is toxic to aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not apply where runoff is likely to occur.
- To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters, or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems
- This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow to drift to blooming crops or weeds if bees are visiting the treatment area.

**NOTICE:** Research and testing have determined that the "Directions for Use" are appropriate for the proper use of this product under expected conditions. The Buyer, to the extent consistent with applicable law, assumes responsibility for lack of performance or safety if not used according to the directions.

{Note to PM, batch code to be added at time of production}

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Before use, read and follow all label directions.

### BEFORE YOU USE

Read and follow directions when using.



### Restrictions:

- Do not apply near lakes, streams, rivers, or ponds
- Do not apply to soils which are waterlogged or saturated.
- Bucket or measuring utensils should not be used for any food or drinking water purposes after use with this product.
- Do not apply when bees are actively foraging in the area.
- Children and pets may re-enter the treated area after it has dried.
- Do not apply this product, by any application method, to linden, basswood, or other *Tilia* species.
- Do not use on lawns.

### HOW TO USE

Determine the amount to use by measuring the distance around the tree trunk or height of the shrub. Pour the required amount of this product into a bucket of water and empty the bucket around the base of the tree/shrub. For containerized plants, determine container size and pour required amount of this product into enough water to wet the potting soil thoroughly but not causing loss of water from bottom of container.

### FOR USE ON

Outdoor ornamental trees, shrubs, and containerized plants not intended to be used as edible food. This product is only for non-bearing fruit and nut trees. Non-bearing fruits and nuts are plants that do not bear edible fruits and nuts for at least 12 months after application of pesticides.

### CONTROLS

Adelgids	Fungus Gnat Larvae	Psyllids
Aphids	Japanese Beetles, Adult	Royal Palm Bugs
Armored Scales (suppression)	Lace bugs	Root Weevil Larvae (including black vine weevils)
Borers	Leaf Beetles (including Elm Leaf, Viburnum Leaf, and Lily Leaf Beetles)	Sawfly Larvae
Roundheaded (including Eucalyptus Longhorned Borers and -Asian Longhorned Beetle)	Leafhoppers (including Glassy-winged Sharpshooter)	Soft Scales (including lobate lac scales)
Flatheaded (including Bronze Birch, Alder, and Emerald Ash Borers)	Leafminers (including Birch and Boxwood Leafminers)	Thrips
Pine Bark Beetles (including Ips beetles) (suppression)	Mealybugs	Whiteflies
Caterpillars (including gypsy moths, fall webworms, and tent caterpillars)	Pine Tip Moth Larvae	White Grub larvae (such as Japanese Beetles, Chafers, European Chafer, Oriental Beetle, Asiatic Garden Beetle)

<b>HOW MUCH TO APPLY</b>  (SHOW 3 STEP IMAGE ON HOW TO APPLY)	Trees	<p>Measure the distance in inches around the tree trunk at approximately 4.5 feet from ground level. This measurement is the amount of ounces of product to add to 1 gallon of water.</p> <p>Example: A tree measuring 8 inches around, pour 8 ounces of product into 1 gallon of water.</p> <p>If the tree measures greater than 50 inches around, pour the required product into 2 gallons of water.</p> <p>A flexible tape measure is the recommended method [tool] for measuring the distance around a tree.</p>																
	Tree With 2 or More Trunks	<p>Measure the distance in inches around each tree trunk at approximately 4.5 feet from ground level, add together, and multiply by 0.75. This measurement is the number of ounces of product to add to one gallon of water.</p> <p>Example: A tree has 4 trunks. They measure 20, 10, 5, and 5 (inches) or a total of 40 inches. <math>40 \times 0.75 = 30</math> ounces, pour 30 ounces of product into one gallon of water. If 50 or more ounces of product are required, pour into 2 gallons of water.</p>																
	Shrubs	<p>Measure the height of the shrub to the nearest foot. Multiply the number of feet by 3 – this is the number of ounces of product to add to 1 gallon of water.</p>																
	Containerized Plants	<table border="0"> <thead> <tr> <th style="text-align: left;"><b>Container Size</b></th> <th style="text-align: left;"><b>Amount Product Needed</b></th> </tr> </thead> <tbody> <tr> <td>1 gallon</td> <td>1 teaspoon</td> </tr> <tr> <td>2 gallon</td> <td>2 teaspoons</td> </tr> <tr> <td>3 gallon</td> <td>1 Tablespoon</td> </tr> <tr> <td>5 gallon</td> <td>1 2/3 Tablespoons</td> </tr> <tr> <td>10 gallon</td> <td>3 1/3 Tablespoons</td> </tr> <tr> <td>15 gallon</td> <td>5 Tablespoons</td> </tr> <tr> <td>20 gallon</td> <td>6 2/3 Tablespoons</td> </tr> </tbody> </table> <p>Pour the required product into sufficient water to wet the potting soil thoroughly. To help assure that roots absorb the insecticide, do not water too heavily for the first 10 days.</p> <p><b>Note:</b> 3 teaspoons = 1 Tablespoon            2 Tablespoons = 1 fl. oz.</p>	<b>Container Size</b>	<b>Amount Product Needed</b>	1 gallon	1 teaspoon	2 gallon	2 teaspoons	3 gallon	1 Tablespoon	5 gallon	1 2/3 Tablespoons	10 gallon	3 1/3 Tablespoons	15 gallon	5 Tablespoons	20 gallon	6 2/3 Tablespoons
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<p>Restrictions: Do not make more than one application per year. Regardless of formulation or type of application, DO NOT apply more than a total of 0.4 lbs clothianidin per acre.</p>																		


## DIRECTIONS FOR USE continued

<b>HOW TO APPLY</b>	<p><b>Trees and Shrubs:</b></p> <ul style="list-style-type: none"><li>• Fill a bucket or watering can with 1 gallon of water. [For trees with circumference greater than 50", use 2 gallons of water.]</li><li>• Shake the bottle well.</li><li>• Carefully measure required amount of product into bucket.</li><li>• Slowly pour the solution evenly around the tree. For best results, pour as close to the TRUNK/main stem of the tree/shrub as possible.</li><li>• Fill the bucket with clean water and pour it around the trunk as well.</li></ul> <p><b>Containerized Plants:</b></p> <ul style="list-style-type: none"><li>• Apply the solution evenly on top of potting soil and water thoroughly.</li><li>• For the first 10 days, avoid flushing through the container to the point where it flows out the bottom.</li><li>• For indoor containerized plants, bring outdoors, make treatment, and return indoors when no excess water is present.</li></ul> <p><b>Additional Directions:</b></p> <ul style="list-style-type: none"><li>• Pull back mulch and weed barrier before application.</li><li>• Use this product as part of an overall tree and shrub health care program before problems start (preferably in the fall). (However,) this product can be applied anytime except when the soil is waterlogged or frozen. These conditions inhibit the movement of the product down into the root zone. During prolonged dry periods, saturate the soil around the tree or shrub well with water the night before making an application.</li><li>• For severe infestations, treat with a foliar insecticide such as <b>Imidacloprid + Tau-fluvalinate + Tebuconazole Concentrate [Replace with Marketed Alternate Brand Name]INSERT PRODUCT BRAND NAME</b> Contact Insecticide], then use this product as part of a routine care program.</li></ul>
<b>HOW IT WORKS</b>  (SHOW IMAGE OF HOW THE PRODUCT WORKS SYSTEMICALLY)	The insecticide and fertilizer dissolved in water moves down through the soil, where it is absorbed by the roots. Once absorbed, it moves up through the tree or shrub providing year-long insect protection and feeds. This product even moves into new growth after application, thus protecting and feeding it, too! To get complete results, the insecticide and fertilizer must distribute completely through the tree or shrub. Depending on the size and health of the plant, this may take one week to three months (for very large trees). Rain or water cannot wash off this internal protection and feeding.

**(NOTE:** Application to trees heavily infested may not prevent their eventual loss due to existing pest damage and tree stress.)



## Directions for Storage and Disposal






<b>Pesticide Storage Conditions</b>	Store in original container in a cool, dry place, out of the reach of children, preferably a locked storage cabinet. Protect from freezing.
<b>Pesticide Disposal</b>  	<b>If empty:</b> <ul style="list-style-type: none"> <li>• Non-refillable container. Do not refill or reuse container.</li> <li>• Rinse the empty product container thoroughly and disperse the rinse water around trees or shrubs as part of application.</li> <li>• Place empty container in trash or offer for recycling if available.</li> </ul> <b>If partly filled:</b> <ul style="list-style-type: none"> <li>• Call your local solid waste agency or toll free 1-877-229-3724 for disposal instructions.</li> <li>• Never place unused product down any indoor or outdoor drain.</li> </ul>

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

- Harmful if absorbed through skin. Harmful if swallowed.
- Avoid contact with skin, eyes, or clothing.
- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.
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<b>First Aid</b>  neonicotinyl Insecticide	
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>— Move person to fresh air.</li> <li>— If person is not breathing, call 911 or an ambulance, then give artificial respiration.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 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>
<p><b>NOTE:</b> Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may contact 877-229-3763 for emergency medical treatment information. Active Ingredients: 0.74% Imidacloprid  CAS # 138261-41-3  and 0.37% Clothianidin  CAS # 210880-92-5 </p>	

## **ENVIRONMENTAL HAZARDS**

- This pesticide is toxic to aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not apply where runoff is likely to occur.
- To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters, or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run-off to water bodies or drainage systems
- This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow to drift to blooming crops or weeds if bees are visiting the treatment area.

**NOTICE:** Research and testing have determined that the "Directions for Use" are appropriate for the proper use of this product under expected conditions. The Buyer, to the extent consistent with applicable law, assumes responsibility for lack of performance or safety if not used according to the directions.

**\*Money Back Guarantee:** If you are not satisfied with this product, we will gladly refund your original purchase price.

BioAdvanced™ [Fortifend Advanced™] [Bianova Advanced™] is a trademark of SBM Life Science Corp.

Produced for  
[Distributed by]

**SBM Life Science Corp.**  
1001 Winstead Drive, Suite 500  
Cary, North Carolina 27513

Insecticide TD Concentrate (PENDING) 04/05/2017-10/31/2017 03/19/2019

**ART**



‡ or your money back