UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

July 12, 2017

Arianna Shorey Regulatory Consultant Atticus, LLC c/o Pyxis Regulatory Consulting Inc. 4110 136th St. Ct. NW Gig Harbor, WA 98332

Subject: Notification per PRN 98-10 – Notification of corrected typographical errors Product Name: A201.02 EPA Registration Number: 91234-29 Application Date: 06/02/2017 Decision Number: 530373

Dear Ms. Shorey:

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, you may contact Gene Kaudy at 703-347-0585 or via email at kaudy.gene@epa.gov.

Shagi Blogue

Shaja B. Joyner, Product Manager 20 Fungicide-Herbicide Branch Registration Division 7505P

[Note to reviewer: [Text] in brackets denotes optional text]. [Note to reviewer: {Text} in braces denotes where in the final label text will appear.]

{BOOKLET FRONT PANEL LANGUAGE}

A201.02

[Alternate Brand Name: Talaris™ 50 EG]

TURF AND ORNAMENTAL SYSTEMIC FUNGICIDE

Group 1 Fungicide

Commercial Product, General Use: For Turf and Ornamental Applications

For the prevention and control of turf diseases and the diseases of annual and perennial flowers, bedding plants, foliage plants, ground covers, plus deciduous and evergreen trees and shrubs.

ACTIVE INGREDIENT:

		(dimethyl 4,4'-o-phenylenebis[3-thioallophanate])	
OTH	IER INGREDIENTS:		. <u>50.00%</u>
		TOTAL:	100.00%

A201.02 contains thiophanate-methyl, the active ingredient used in 3336[®] EG. A201.02 is not manufactured or distributed by Nufarm Americas, Inc., seller of 3336[®] EG

KEEP OUT OF REACH OF CHILDREN CAUTION

See inside label booklet for First Aid, Precautionary Statements and Directions for Use.

EPA Reg. No 91234-29 EPA Est. No. _____

Manufactured for:

Atticus, LLC 501 Cascade Pointe Lane Suite 102 Cary, NC 27513

Net Weight:

{LANGUAGE INSIDE BOOKLET}

FIRST AID		
IF SWALLOWED:	 Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person. 	
IF ON SKIN OR CLOTHING:	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. 	
IF IN EYES:	 Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice. 	
IF INHALED:	 Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. 	
going for treatment.	HOT LINE NUMBER ontainer or label with you when calling a poison control center or doctor, or For emergency medical assistance, call SafetyCall: 1-844-685-9173 . For ey: spill, leak, fire, exposure or accident, call CHEMTREC: 1-800-424-9300 .	

For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

WPS Uses: Applicators and other handlers who handle this pesticide for any use covered by the Worker Protection Standard, 40 CFR Part 170, must wear: long-sleeved shirt and long pants, chemical resistant gloves made from any waterproof material, and shoes plus socks.

NON-WPS Uses: Applicators and other handlers who handle this pesticide for any use NOT covered by the Worker Protection Standard, 40 CFR Part 170, <u>should_must</u> wear: long-sleeved shirt and long pants, chemical resistant gloves made from any waterproof material and shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, 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/PPE 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 toxic to fish. 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 by disposal of equipment washwaters or rinsate. Do not apply, allow to drift, or drain or flush equipment onto non-target areas.

PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow to come into contact with oxidizing agents. Hazardous chemical reaction may occur.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling, and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Exemption: If the product is applied by drenching, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, chemical resistant gloves made out of any waterproof material, and shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box only apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Turf and Landscape Uses: Keep children and pets out of treated areas until sprays have dried.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in the original container in a dry, temperature controlled area. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling, contain/re-capture spillage and dispose of in accordance with the Pesticide Disposal Instructions listed below.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be used according to label instructions, contact your State Pesticides or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Handling:

[Nonrefillable Container 50 lbs. or Less]

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

[Nonrefillable Container larger than 50 lbs.]

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

COMMERCIAL TURF AND ORNAMENTAL

PRODUCT INFORMATION

A201.02 is a systemic fungicide effective against a wide range of fungal diseases in turf and ornamentals. This product is a water dispersible granule (WDG) that can be applied ONLY by individuals or firms registered by the state to make applications using ground or overhead equipment. This product may NOT be applied using fixed-wing or rotary aircraft, and is NOT for use by homeowners.

Resistance Management:

To reduce the possibility of resistant fungal strains developing, this product <u>should-must</u> be used with other fungicides that use a different mode of action. Do NOT use this product in conjunction with other products that contain thiabendazole.

If you find that treatments of this product are not producing the desired results, a resistant fungal strain may be present and you <u>should_must</u> contact your local State or Extension Service ag agent or Atticus, LLC representative to identify the disease and obtain suggestions for treatment.

Mixing Instructions:

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

- NOTE: Tank life of this product will be shortened if the water pH is not buffered to 6-7 before adding this product.
 - 1) Fill the tank with water to ³/₄ of the total desired volume.
 - 2) Add this product at the amount recommended specified in this label
 - 3) Commence mechanical or hydraulic agitation and maintain agitation until the application is complete
 - 4) Add the remaining water

Use the spray mixture the same day it is mixed for best results.

Mixing with Other Products:

This product is compatible with most pesticides. When tank mixing with other products, add them in the following order:

- 1) Water soluble bags
- 2) Extruded and Water Dispersible granules
- 3) Dry flowables
- 4) Wettable powders
- 5) Liquid flowables
- 6) Solubles like fertilizers and emulsifiable concentrates

The most restrictive combination of restrictions, limitations and precautions from all the tank mix partner labels must be followed.

NOTE: Do NOT tank mix this product with pesticides that are highly alkaline or that contain copper.

Chemically neutral fertilizers may also be mixed and applied with this product. However, the alkaline restriction also applies and highly alkaline fertilizers such as aqueous ammonia <u>should_must</u> not be used as they may degrade the pesticide leading to -reduced efficacy.

CHEMIGATION

Generic Requirements

- 1. Apply this product only through the following types of systems: sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, solid set, or hand move; flood (basin); or drip trickle irrigation systems. Do not apply this product through any other type of irrigation system.
- 2. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non- uniform distribution of treated water.
- 3. If you have questions about calibration, you <u>should_must</u> contact State Extension Service specialists, equipment manufacturers or other experts.
- 4. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.
- 5. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise as needed.

Specific Requirements

- 1. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
- 2. Chemigation systems connected to public water systems must contain a functional, reduced- pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should-must be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- 3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back towards the injection pump.
- 4. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being drawn from the supply tank when the irrigation system is either automatically or manually shut down.
- 5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
- 6. Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- 7. Do not apply when wind speed favors drift beyond the area intended for treatment.

Non-Specific Requirements

- 1. Remove scale, pesticide residue, and other foreign matter from the chemical tank and entire injector system. Flush with clean water.
- 2. Prepare a suspension of product in the mix tank or stock bucket. Fill the tank with 3/4 of the desired amount of water. Start agitation and add the required amount of product to the solution along with the remaining volume of water.
- 3. Maintain a gentle agitation in the mix tank during application to assure a uniform suspension. Follow mixing instructions and tank mixing instructions previously indicated.
- 4. Start system and then uniformly inject the suspension of A201.02 into the irrigation line so as to deliver the desired rate per acre. Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation system.
- 5. Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute suspension per unit time.
- 6. The suspension of A201.02 <u>should_must</u> be injected with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing.

Sprinkler (Overhead) Chemigation

Observe all instructions in the Generic, Specific and Non-Specific requirements sections above and the following additional requirements:

- 1. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- 2. The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- 3. Set sprinkler system to deliver 1/10 to 1/4 inches of water per acre. Volumes of water higher than this may reduce efficacy. Application of greater than specified quantities of irrigation water per acre may result in decreased product performance. Where sprinkler distribution patterns do not overlap sufficiently, unacceptable disease control may result.
- 4. When system connections or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product cannot be flushed and must be dismantled and drained in a center pivot system, block the nozzle set nearest the well pivot injection unit to prevent spray being applied to this area. Allow sufficient time for pesticides to be flushed through all lines and all nozzles before turning off irrigation water.

Flood (Basin) Chemigation

1. Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure of weir box to decrease potential for water source contamination from backflow if water flow stops.

2. Systems utilizing a pressurized water and pesticide injection system must meet the following requirements: Observe all instructions in the Generic, Specific and Non-Specific requirements sections above and items 1 and 2 of the sprinkler irrigation requirements.

Drip (Trickle) Chemigation

Observe all instructions in the Generic, Specific and Non-Specific requirements sections above.

TURF APPLICATIONS

Apply A201.02 to warm and cool season grasses to prevent and control disease in the following turf sites:

Commercial, Public and Residential turf – such as home lawns, day care centers, athletic fields, schools and parks Golf Courses – aprons, fairways, greens and tees

This product has been found safe (non-phytotoxic) when applied to the following grasses:

Bentgrass	Bermudagrass	Bluegrass
Fescue	Ryegrass	St. Augustinegrass
Zoysiagrass	And mixtures of these grasses	

TURF USE RESTRICTIONS

- Do NOT graze animals on treated turf.
- Do NOT feed clippings to livestock or poultry.
- Do NOT use on turf being grown for sale or other commercial use as sod.

TURF APPLICATION INSTRUCTIONS

Apply this product as a uniform spray using calibrated motorized, mechanical or hand-held spray equipment with sufficient water to ensure thorough coverage of the area being treated. This product may also be applied by chemigation if the sprinkler irrigation system is capable.

Mowing should must not be done within twelve hours of application, and for best results apply after mowing.

When treating root diseases, move the fungicide into the root zone by watering lightly using 1-2 tenths of an inch of water. Do not overwater as it can reduce the efficacy of this product by flushing the fungicide through the root zone.

When treating for foliar diseases and tank mixing this product with contact action fungicides, the application should-must be allowed to dry on the leaf surfaces before watering.

Individual Application Rates, Re-Treatment Intervals and Use Limits

Residential or Public Areas

Apply 5.44 pounds per acre (2.0 ounces per 1,000 square feet). Do NOT apply more than 21.76 pounds per acre (8.0 ounces per 1,000 square feet) per year. Do NOT make more than 4 applications per year. Do NOT reapply within 14 days of last treatment.

Golf Course Aprons, Greens and Tees

Apply 16.32 pounds per acre (6.0 ounces per 1,000 square feet). Do NOT apply more than 43.52 pounds per acre (16.0 ounces per 1,000 square feet) per year. Do NOT reapply within 14 days of last treatment.

Golf Course Fairways - EXCEPT FLORIDA

Apply 10.88 pounds per acre (4.0 ounces per 1,000 square feet). Do NOT apply more than 10.88 pounds per acre (4.0 ounces per 1,000 square feet) per year. Do NOT reapply within 14 days of last treatment.

Golf Course Fairways - FLORIDA ONLY

Apply 5.44 pounds per acre (2.0 ounces per 1,000 square feet). Do NOT apply more than 5.44 pounds per acre (2.0 ounces per 1,000 square feet) per year. Do NOT make more than 1 application per year.

INSTRUCTIONS FOR SPECIFIC DISEASES

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Anthracnose, basal (Colletotrichum cereale)		
Prevention	Once the temperature of the soil has reached 60°F, make two applications 14-days apart at a rate of	
	2-4 ounces per 1,000 square feet.	
Curative Control	Apply 2-4 ounces per 1,000 square feet when disease is first observed, and reapply in 14-day	
	intervals as necessary.	
CommentsNote	When treating for anthracnose, this product may be rotated or tank mixed with products containing	
	tebuconazole or chlorothalonil.	

Anthracnose, foliar (Colletotrichum cereale)		
Prevention	Once the temperature of the soil has reached 60°F, make two applications 14-days apart at a rate of	
	2-4 ounces per 1,000 square feet.	
Curative Control	Apply 2-4 ounces per 1,000 square feet when disease is first observed, and reapply in 14-day	
	intervals as necessary.	
Comments <u>Note</u>	When treating for anthracnose, this product may be rotated or tank mixed with products containing tebuconazole or chlorothalonil.	

Bermudagrass Decline (Gaeumannomyces graminis var. graminis)		
Take-All-Patch (Gaeumannomyces graminis var. avenae)		
Prevention	Apply 4-6 ounces per 1,000 square feet starting in mid-July and repeat applications in 14-day	
	intervals.	
Curative Control	Apply 4-6 ounces per 1,000 square feet upon first appearance of disease and repeat applications in	
	14-day intervals. For severe disease pressure, use the higher rates listed.	
CommentsNote	CommentsNote Be sure to follow agronomic best practices to maintain plant health.	

Cool Season Brown Patch (<u>*Rhizoctonia cerealis</u>Gaeumannomyces graminis var. graminis*) Necrotic Ring Spot (Leptosphaeria korrea)</u>

Spring Dead Spot (Leptosphaeria korrea)		
Prevention	Apply 4-6 ounces per 1,000 square feet in the fall before turf growth activity has stopped. Once the	
	soil temperature reaches 55-60°F in early spring or when disease first appears, repeat application.	
Curative Control	Apply 4-6 ounces per 1,000 square feet upon first appearance of disease and repeat applications in 14-day intervals.	

Coprinus Snow Mold (Coprinus psychromorbidus)		
Prevention	Apply 4-6 ounces per 1,000 square feet in 2 applications 21-days apart from late fall to early winter.	
	Make ILast application should be made just before first snow cover.	
CommentsNote	When treating, this product may be rotated or tank mixed with products containing PCNB.	

Dollar Spot (Moellerodiscus, Lanzia, Sclerotinia)			
Brown Patch/L	arge Patch (Rhizoctonia solani)		
Ascochyta Lea	f Blight (Ascochyta)		
Copper Spot (C	Gloeocercospora sorghi)		
Fusarium Patcl	Fusarium Patch (Fusarium nivale)		
Red Thread (La	Red Thread (Laetisaria fuciformis)		
Zoysia Patch (Rhizoctonia solani)			
Prevention	Apply 2-4 ounces per 1,000 square feet upon initial appearance of disease and repeat applications in 14-day intervals.		
CommentsNote	When treating, this product may be rotated or tank mixed with products containing chlorothalonil, iprodione or mancozeb.		

Fusarium Blight (Fusarium roseum, F. triticum)			
Prevention	Apply 4-6 ounces per 1,000 square feet in 14-day intervals following first appearance of disease.		

Gray Leaf Spot (Blast) (Pyricularia grisea)		
Prevention	Apply 4-6 ounces per 1,000 square feet in 14-day intervals prior to expected initial appearance of	
	disease.	

Leaf Spot (Drechslera)		
Leaf, crown, and root diseases (Bipolaris, Curvularia, Exserohilum)		
Prevention	Apply 4-6 ounces per 1,000 square feet in 14-day intervals upon initial appearance of disease.	
Curative Control	For severe disease pressure this product is most effective when rotated or tank mixed with products	
	containing chlorothalonil, iprodione, or mancozeb.	

Pink Snow Mold (Michrodochium nivale)				
Prevention	In late fall to early winter apply 2-4 ounces per 1,000 square feet prior to end of turf growth activity.			
CommentsNote	A second application may be made prior to initial snow cover or when ground begins to thaw in the			
	spring when combined with chlorothalonil, PCNB, or thiram.			

Rusts (Puccinia, Uromyces)			
Prevention	Apply 4-6 ounces per 1,000 square feet in 2 applications 14-days apart following first appearance of disease.		
CommentsNote	This product is most effective when rotated or tank mixed with products containing chlorothalonil or mancozeb.		

Stripe Smut (Ustilago striiformis)			
Prevention	Apply 4-6 ounces per 1,000 square feet upon initial appearance of disease in early spring and fall.		
	Repeat applications in 14-day intervals.		

Summer Patch	(Magnaporthe poae)
Prevention	Apply 4-6 ounces per 1,000 square feet in 3 applications 21-days apart between late April and early
	May.
Curative Control	Apply 4-6 ounces per 1,000 square feet upon first appearance of disease and repeat applications in
	14-day intervals.
CommentsNote	When treating, this product may be rotated or tank mixed with products during all three applications.

Bentgrass Dead Spot (Ophiosphaerella agrostis)

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Prevention	Apply 4-6 ounces per 1,000 square feet 14-days apart in early June. For other application times refer
	to local Extension Service recommendations.
CommentsNote	To extend prevention when treating during the entirety of the season, this product may be rotated or
	tank mixed with other products.

HORTICULTURAL APPLICATIONS

Nursery, Greenhouse, Shade or Lath House, Landscape & Interiorscape

Annual and Perennial Flowers, Bedding Plants, Foliage Plants, Ground Covers, plus Deciduous and Evergreen Trees and Shrubs

Horticultural Use Restrictions

- Do NOT apply to home orchards/fruit trees after fruit set.
- Do NOT apply with fixed wing or rotary aircraft.
- For foliar applications, do not exceed thirty six (36) pounds active ingredient per acre per crop season from all thiophanate-methyl containing products.
- For soil drench applications, do not exceed 300 pounds active ingredient per acre per crop season from all thiophanate-methyl containing products.

A201.02 is a broad spectrum systemic fungicide which controls a variety of foliar, stem, and root diseases on a wide range of commercially important plants. A201.02 is also effective as a pre-plant dip on cuttings and bulbs. For soil drench applications, best crop protection is achieved with preventive treatments repeated every 21-28 days. For foliar applications, begin treatments when disease first appears, or during suspected periods of disease incidence. Apply additional applications every 7-14 days or as otherwise instructed for the prevention or control of the listed diseases. For best results, use a wetting agent for plants that have leaves that are difficult to wet properly. Use of a spreader-sticker may enhance product performance in wet weather conditions or during periods of overhead irrigation. A201.02 may be applied as a ground application using hand held, mechanical or motorized spray equipment, or as a chemigation spray or through an applicable sprinkler irrigation system; or as an overhead application where applicable. See specific instructions below.

Note: The "Directions For Use" of this product reflect the cumulative inputs from both historical field use and product testing programs. However, it is impossible to test this product on all species and cultivars. A preliminary trial is suggested on a small scale before a full treatment is applied to any plant type not shown on this label but found in a similar use site with a listed disease problem. Wait 5-7 days after treatment to evaluate results. Do not use this product on Swedish lw (*Plectranthus australis*), Boston Fern (*Nephrolepis exalta*), and Easter Cactus (*Hatiora gaertneri*).

Horticultural Application Instructions

Apply this product as a uniform spray using calibrated motorized, mechanical or hand-held spray equipment with sufficient water to ensure thorough coverage. This product may also be applied by chemigation if the sprinkler irrigation system is capable. Start applications when disease first appears and repeat every 7-14 day or as needed during the growing season. If disease pressures are severe or conditions are favorable for disease development, use the shortest interval.

When making applications using hand held, mechanical, or motorized equipment, mix 8-24 ounces of A201.02 per 100 gal water and apply as a full coverage spray to drip. Depending upon the plant species and plant growth stage, the total spray volume may be up to 400 gallons of finished spray per acre.

When applying by chemigation through an irrigation system, refer to use rates indicated in the foliar application chart.

Backyard Fruit and Nut Trees (NOT for Use in California)

If this product is used on a tree producing fruits or nuts which will be used for food or feed:

- Do NOT apply to home orchards/backyard fruit or nut trees after fruit or nut set.
- Do NOT apply to fruit or nut trees other than almond, apple, pear, pecan, pistachio, apricot, cherry, nectarine, peach, plum or prune.

For bearing fruit and nut trees, use the following application rates. (For a list of diseases controlled see the table below for Foliar Application).

Fruit Trees	Almond, Apple, Pear, Pecan, Apricot, Cherry, Nectarine, Peach, Plum, Prune
Application Rate	Apply 1.4 lbs/Acre (0.7 lb a.i./A). The maximum yearly application is 4.2 lbs/Acre (2.1 lbs a.i./A/year).

Nut Trees	Pistachio
Application Rate	Apply 1.4 lbs/Acre (0.7 lb a.i./A). The maximum yearly application is 2.8 lbs/Acre (1.4 lbs a.i./A/ year).

VEGETABLE TRANSPLANTS: (Greenhouse and Nursery Use Only)

Not intended for field vegetable production

Beans, dry and succulent	Lima bean, Snap bean, Kidney bean, Mung bean, Navy bean, Pinto bean, Wax bean, Broad bean, Fava bean, Asparagus bean, Blackeyed pea, Cowpea, Sweet lupine, White lupine, White sweet lupine, Grain lupine, Chick pea, Garbanzo bean
Controlled Diseases	Anthracnose (Colletotrichum); Gray Mold (Botrytis); White Mold (Sclerotinia)
Single Application	Apply 2.1-2.8 lbs/Acre when disease is likely to develop or when all plants have a minimum of one bloom.
Multiple Applications	Apply 1.4-2.1 lbs/Acre when 10%-30% of the plants have a minimum of one bloom. To ensure highest effectiveness apply before disease development. Repeat applications in 4-7 day intervals.
Restrictions:	The yearly maximum for applications is 4.2 lbs/Acre (2.1 lbs a.i/A/ year). Refer to Directions for Use for resistance management guidelines. Pre-Harvest Interval California ONLY : 14 Days for Succulent Beans; 28 Days for Dry Beans and Lima Beans Pre-Harvest Interval All Other States: 14 Days for Succulent Beans and Lima Beans; 28 Days for Dry Beans.
ExampleApplication	Single Application: Apply 2.1-2.8 lbs/Acre in 50-200 gallons of water/Acre. For water volume less than 50 gallons per acre <u>use</u> a minimum of 2.1 lbs/Acre <u>should be used</u> . For water volume greater than 200 gallons per acre <u>use</u> a maximum of 2.8 lbs/Acre <u>should be used</u> . i.e. For 200 gallons of water use a rate of 1.4 lbs per 100 gallons. Multiple Applications: Apply 1.4-2.1 lbs/Acre in 50-200 gallons of water/Acre. For water volume less than 50 gallons per acre <u>use</u> a minimum of 1.4 lbs/Acre <u>should be used</u> . For water volume greater than 200 gallons per acre <u>use</u> a minimum of 2.1 lbs/Acre <u>should be used</u> . For water volume greater than 200 gallons per acre <u>use</u> a maximum of 2.1 lbs/Acre <u>should be used</u> . For water volume greater than 200 gallons per acre <u>use</u> a maximum of 2.1 lbs/Acre <u>should be used</u> . For water volume greater than 200 gallons per acre <u>use</u> a maximum of 2.1 lbs/Acre <u>should be used</u> . i.e. For 200 gallons of water use a rate of 1.05 lbs per 100 gallons.

Cucurbits	Cantaloupe, Casaba, Cucumbers, Melons, Pumpkins, Summer Squash, Winte Squash, Watermelons						
Controlled Diseases California ONLY Powdery Mildew (<i>Erysiphe, Sphaerotheca, Podosphaera</i>)							
Controlled Diseases All Other States	Anthracnose (Colletotrichum); Gummy Stem Blight (Didymella); Powdery Mildew (Erysiphe, Sphaerotheca, Podosphaera); Target Spot (Corynespora); Belly Rots (Rhizoctonia, Fusarium)						
Application	Apply 0.7 lbs/Acre following first appearance of disease or when plants begin to run. Repeat applications in 7-14 day intervals or as needed. ²						
Belly Rots Application Treatment ¹	Apply 0.7 lbs/Acre in enough volume to allow soil runoff.						
Restriction:	Do not apply more than 4.2 lbs of product (2.1 lbs a.i./A/year) from any combination of application timings.						
CommentsNote	¹ <i>Pythium</i> and <i>Pytopthora</i> will not be controlled. ² Use 7-day interval for Target Spot.						
ExampleApplication	Apply 0.7 lbs/Acre in 50-200 gallons of water/Acre. For water volume less than 50 gallons per acre <u>use</u> a minimum of 0.7 lbs/Acre-should be used. For water volume greater than 200 gallons per acre <u>use</u> a maximum of 0.7 lbs/Acre-should be used. i.e. For 200 gallons of water use a rate of 0.35 lbs per 100 gallons.						

Special Instructions for Proportional Injectors (e.g. Dosatron, Dosmatic, Anderson, and similar equipment)

- Review the Foliar Application Tables to determine the treatment rate (ounces of this product per 100 gal) for the plant species and pathogen.
- The injection ratio used <u>should_must</u> be specific to the system, with a ratio of 1:100 commonly used in greenhouse and nursery systems. Contact the manufacturer of your equipment if you are unsure of the injection ratio for your injector.
- To determine the amount (in ounces) of A201.02 to add to one gallon of water in the stock bucket or stock tank of the injector, refer to the following Injection Rate Table.

INJECTION RATE TABLE

Required amount (ounces) of A201.02 per gallon of stock tank solution for given treatment rates and injection

ratio combinations:

			Treatment Rate (ounces per 100 gallons) *							
		8	10	12	14	16	18	20	22	24
-	1:16	1.3	1.6	2	2.2	2.6	2.9	3.2	3.5	3.8
l ₽ 0	1:50	4	5	6	7	8	9	10	11	12
INJECTION RATIO	1:100	8	10	12	14	16	18	20	22	24
Z	1:200	16	20	24	28	32	36	40	44	48

* Rate is based on the plant species and pathogen from the Foliar Application Tables.

FOLIAR APPLICATION TABLES

Anthracnose (Colletotrichum)			
Prevention	Apply 12-16 ounces per 100 gallons upon first appearance of disease or as buds break.		
Curative Control	Apply 12-16 ounces per 100 gallons upon first appearance of disease and repeat applications as needed in 7-14 day intervals.		

Black Spot of Rose (Diplocarpon rosae)			
Prevention	Apply 12-16 ounces per 100 gallons upon first appearance of disease or in early summer.		
Curative Control	Apply 12-16 ounces per 100 gallons upon first appearance of disease and repeat applications as needed in 7-14 day intervals.		

Brown Rot and Blight (Monilinia, Sclerotinia, Whetzellinia)		
Prevention	Apply 12-16 ounces per 100 gallons upon first appearance of disease or in late spring.	
Curative Control	Apply 12-16 ounces per 100 gallons upon first appearance of disease and repeat applications as needed in 7-14 day intervals.	

Fusicladium and Venturia Leaf Scabs

For Treatment on: Crabapple, Hawthorn, Pear, Mountain Ash, Pyracantha, etc.

Prevention	Apply 12-16 ounces per 100 gallons upon buds breaking.
Curative Control	Apply 12-16 ounces per 100 gallons upon buds breaking and repeat applications as needed in 7-14
	day intervals. Coverage should must occur during leaf expansion to ensure control of disease.
CommentsNote	When treating, this product may be rotated or tank mixed with mancozeb, chlorothalonil or
	propiconazole during applications. Do NOT use treated crabapple or pear tree fruit for food.

Leaf Spots and Blights

Caused By: A	scochyta,	Blumeriella,	Botrytis,	Cercospora,	Coccomyces,	Corynespora,	Curvularia,	Didymellina
Entomosporium,	Fabraea,	Fusarium,	Ramularia,	Rhizoctonia,	Marssonina,	Mycosphaerella	Myrotheci	um, Phoma
Physalospora, S	Physalospora, Schizothyrium, Septoria, Sphaceloma							
Prevention	Apply 12	-16 ounces	per 100 gal	lons upon first	appearance of	disease.		
Curative Control	Apply 12	2-16 ounces	; per 100 g	allons upon fi	rst appearance	e of disease and	d repeat ap	olications as
	needed i	in 7-14 day i	ntervals.	-				
CommentsNote	When tre application		product ma	ay be rotated	or tank mixed	with mancozet	or chloroth	alonil during

Ovulinia Blight	
Prevention	Apply 8-16 ounces per 100 gallons upon flowers opening.
Curative Control	Apply 8-16 ounces per 100 gallons upon flowers opening and repeat applications as needed in 7-14 day intervals.

Powdery Mildews (Erysiphe, Microsphaera, Phyllactinia, Podosphaera, Oidium, Sphaerotheca)		
Prevention	Apply 12-24 ounces per 100 gallons upon first appearance of disease.	
Curative Control	Apply 12-24 ounces per 100 gallons upon first appearance of disease and repeat applications as	
	needed in 7-14 day intervals.	
CommentsNote	When treating, this product may be rotated or tank mixed with mancozeb or triadimefon during	
	applications.	

Rust Diseases	(caused by: Puccinia, Gymnosporangium, Uromyces)
Prevention	Apply 12-16 ounces per 100 gallons upon first appearance of disease or in late spring.
Curative Control	Apply 12-16 ounces per 100 gallons upon first appearance of disease or in late spring and repeat applications as needed in 7-14 day intervals.
CommentsNote	When treating, this product may be rotated or tank mixed with mancozeb or chlorothalonil during applications.

Tip Blight of Pine (Sphaeropsis sapinea, Diplodia pinea)		
Prevention	Apply 16-24 ounces per 100 gallons at the beginning of new growth in the spring.	
Curative Control	Make a second 16-24 ounces per 100 gallons application prior to needles emerging from the sheath. <u>Make a</u> A third application should be made after 14 days. Ensure thorough coverage for effective disease control.	

Twig Blights, Cankers, and Diebacks (Diaporthe, Kabatina, Phoma, Phomopsis)		
Prevention	Apply 16-24 ounces per 100 gallons upon first appearance of disease.	
Curative Control	Apply 16-24 ounces per 100 gallons upon first appearance of disease and repeat applications as needed in 7-14 day intervals.	

SOIL DRENCH APPLICATONS

Stem, Crown, and Root Rots (Caused by: Botrytis, Cylindrocladium, Fusarium, Gliocladium, Myrothecium,		
Penicillium, Ramularia, Rhizoctonia, Sclerotinia)		
Specific Application Rates	Seeding/Sticking of Cuttings: 8 oz	Transplanting: 12-16 oz
Prevention	Apply 8-16 ounces per 100 gallons as a drench, directed spray (hand held, mechanical, motorized spray equipment) or chemigation drench/directed spray (sprinkler irrigation systems) to propagation beds, containers, pots, trays, nursery/landscape beds. Ensure a rate is used that allows the product to soak thoroughly to the roots.	
Curative Control	Apply 8-16 ounces per 100 gallons as a drench, directed spray (hand held, mechanical, motorized spray equipment) or chemigation drench/directed spray (sprinkler irrigation systems) to propagation beds, containers, pots, trays, nursery/landscape beds. Repeat applications in 21-28 day intervals to ensure crop protection.	
Comments <u>Note</u>	When treating, this product should must b etridiazole, fosetyl-A, mono and dipotassium during applications to ensure control of <i>Pyth</i> control <i>Pythium</i> or <i>Phytophthora</i> .	salts of phosphorous acid or propamocarb
ExampleApplication	Apply 0.25-3 pints of mixture/sq ft depending of	on media type and depth (approximately 4 oz
Instructions	per 4 in pot or 8 oz per 6 in pot).	

Black Root Rot (Thielaviopsis)

Specific Application Rates	Seeding/Sticking of Cuttings: 8 oz	Transplanting: 12-16 oz
Prevention	motorized spray equipment) or chemigatio	ench, directed spray (hand held, mechanical, n drench/directed spray (sprinkler irrigation ots, trays, nursery/landscape beds. Ensure a oroughly to the roots.
Curative Control	Apply 8-16 ounces per 100 gallons as a drench, directed spray (hand h motorized spray equipment) or chemigation drench/directed spray (sp systems) to propagation beds, containers, pots, trays, nursery/landscap applications in 21-28 day intervals to ensure crop protection.	

Comments <u>Note</u>	When treating, this product <u>should must</u> be tank mixed with metalaxyl, mefenoxam, etridiazole, fosetyl-Al, mono and dipotassium salts of phosphorous acid or propamocarb during applications to ensure control of <i>Pythium</i> and <i>Phytophthora</i> . A201.02 does NOT control <i>Pythium</i> or <i>Phytophthora</i> .
ExampleApplication_ Instructions	Apply 0.25-3 pints of mixture/sq ft depending on media type and depth (approximately 4 oz per 4 in pot or 8 oz per 6 in pot).

PLANT DIP APPLICATIONS

Plant or Cutting Diseases (caused by: Botrytis, Cylindrocladium, Fusarium, Gliocladium, Myrothecium,
Penicillium, Ramularia, Rhizoctonia, Sclerotinia, Thielaviopsis)PreventionApply 16-24 ounces per 100 gallons. Allow plants/cuttings to soak for 10 to 15 minutes.
Remove plants from the soaking and allow to drain.

CommentsNote Carefully follow best hygiene practices to prevent spread of bacterial and water mold fungal diseases.

Bulb, Corm, and Rhizome Rots (caused by: *Botrytis, Cylindrocladium, Fusarium, Gliocladium, Myrothecium, Penicillium, Ramularia, Rhizoctonia, Sclerotinia, Thielaviopsis*)

Prevention	Apply 16-24 ounces per 100 gallons. Ensure the solution is between 80-85°F and allow
	cleaned bulbs to soak for 15 to 30 minutes. Remove plants from the soaking and dry
	thoroughly prior to storage. If applying to bulbs for forcing, heat-cure the bulbs first.
CommentsNote	To prevent disease spreading, treat bulbs within 48 hours of digging. Carefully follow best
	hygiene practices to prevent spread of bacterial and water mold fungal diseases.

Conditions of Sale and Limitation of Warranty and Liability

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials, resistant strains or other influencing factors in the use of the product, which are beyond the control of Atticus, LLC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Atticus, LLC and Seller harmless for any claims relating to such factors.

To the extent allowed by applicable laws, Atticus, LLC 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, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Atticus, LLC and Buyer and User assume the risk of any such use. TO THE EXTENT ALLOWABLE BY APPLICABLE LAW, ATTICUS, LLC MAKES NO WARRANTIES OR MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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EPA 2017050920170630

{LANGUAGE ON LABEL AFFIXED TO CONTAINER}

A201.02

Turf and Ornamental Systemic Fungicide

ACTIVE INGREDIENT:

Thiophanate-methyl (dimethyl 4,4'-o-	
phenylenebis[3-thioallophanate])	50.00%
OTHER INGREDIENTS:	<u>50.00%</u>
TOTAL:	100.00%

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

	FIRST AID
IF SWALLOWED:	 Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of w ater if able to sw allow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an the present of the prese
IF ON SKIN OR CLOTHING:	 unconscious person. Take off contaminated clothing. Rinse skin immediately with plenty of w ater for 15-20 minutes. Call a poison control center or doctor for treatment advice.
IF IN EYES:	 Hold eye open and rinse slow ly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
IF INHALED:	 Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to- mouth, if possible. Call a poison control center or doctor for further treatment advice.
	HOT LINE NUMBER
control center or do	ontainer or label with you when calling a poison poctor, or going for treatment. For emergency call Safety Call: 1.844-685-9173 For chemical

control center or doctor, or going for treatment. For emergency medical assistance, call SafetyCall: **1-844-685-9173**. For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC: **1-800-424-9300**.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if sw allow ed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and w ater after handling.

PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow to come into contact with oxidizing agents. Hazardous chemical reaction may occur.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in the original container in a dry, temperature controlled area. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling, contain/re-capture spillage and dispose of in accordance with the Pesticide Disposal Instructions listed below.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be used according to label instructions, contact your State Pesticides or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Handling:

[Nonrefillable Container 50 lbs. or Less]

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

[Nonrefillable Container larger than 50 lbs.]

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

See label booklet for additional Precautionary Statements and Directions for Use.

EPA Reg. No. 91234-29

EPA Est. No.

Manufactured for:

Atticus, LLC 501 Cascade Pointe Lane, Suite 102 Cary, NC 27513

NET WEIGHT: