



# CHIPCO® Signature™

## FUNGICIDE

### ACTIVE INGREDIENT:

Aluminum tris (O-ethyl phosphonate) ..... 80.0%

OTHER INGREDIENTS: ..... 20.0%

TOTAL: ..... 100.0%

EPA Reg. No. 432-890

**KEEP OUT OF REACH OF CHILDREN**

### CAUTION

See Panel for First Aid Instructions and Complete Precautionary Statements and Directions for Use.

For **MEDICAL** and **TRANSPORTATION** Emergencies **ONLY**

Call 24 Hours A Day 1-800-334-7577.

For **PRODUCT USE** Information Call 1-800-331-2867.

FIRST AID	
<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 by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eyes 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.</li> <li>• Call a poison control center or doctor for 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 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</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, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

##### CAUTION

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

#### PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. Applicators and other handlers must wear long-sleeved shirt and long pants, chemical resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride, shoes plus socks, and protective eyewear.

Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

#### ENVIRONMENTAL HAZARDS

This product is toxic to aquatic and estuarine invertebrates. Drift and runoff may be hazardous to aquatic and estuarine organisms in neighboring areas. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by disposal of equipment washwaters.

#### USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove PPE clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Net Contents

**5.5 Lbs (2.5 Kg)**

80962738

80992734E 190819AV1

## DIRECTIONS FOR USE

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

### Read entire label before using this product.

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 of 48 hours.

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 of any waterproof material, shoes plus socks, and protective eyewear.

## NON AGRICULTURAL USE REQUIREMENTS

The requirements in this box 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. Keep unprotected persons out of the treated areas until sprays have dried.

## General Information

This product may cause staining. Avoid off-target sites such as sidewalks, patios, driveways, pavers, or similar materials. Do not enter treated areas until spray has dried. Rinse spray equipment thoroughly with warm water and detergent.

## Resistance Management

For resistance management, please note that CHIPCO® SIGNATURE™ FUNGICIDE contains a Group P07 fungicide. Any fungal population may contain/develop individuals naturally resistant to CHIPCO SIGNATURE FUNGICIDE and other Group P07 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance, take one or more of the following steps:

- Use tank mixtures with fungicide from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- For further information or to report suspected resistance contact Bayer CropScience at 1-800-331-2867. You can also contact your pesticide distributor or university extension specialist to report resistance.

## TURF

CHIPCO SIGNATURE FUNGICIDE is a systemic fungicide, which may be used in a seasonal program for the control of *Pythium* diseases, such as blight and root rot, and yellow tuft on common turfgrasses on golf courses, sod farms, sports fields, residential, commercial and other turfgrass areas. Apply as a foliar spray using 1 to 5 gallons of water per 1000 sq. ft. as indicated in the table below. Apply with a properly calibrated sprayer.

When applying use spray nozzles that will deliver fine or larger spray droplets as defined in the American Society of Agricultural and Biological Engineers (ASABE) standard ANS/ASAE S572.1 (March 2009).

Do not exceed a total of 180 lb. of product per acre (144 lb. a.i./A), per year. Apply by ground application equipment only. Do not apply by air unless directed by Supplemental or Special Local Need labeling.

DISEASE	INTERVAL OF APPLICATIONS	RATE OZ. PRODUCT/ 1,000 SQ. FT
<i>Pythium</i> diseases, yellow tuft	14 days	4.0
	21 days	8.0

Begin preventive applications when conditions first favor disease and repeat at recommended interval. Do not mow and/or water treated areas until foliage is completely dry. Maintain agitation during spray operations.

## Bacterial Wilt

CHIPCO SIGNATURE FUNGICIDE is prescribed for the alleviation of symptoms on golf course greens affected with bacterial wilt. Apply 8 oz. of CHIPCO SIGNATURE FUNGICIDE in 2 to 4 gallons of water per 1000 sq. ft. at an interval of 7 to 14 days depending on severity of the outbreak. Use the more frequent interval when severe symptoms appear.

## TURF TANK MIXTURES

A CHIPCO SIGNATURE FUNGICIDE program encourages the development of a thick, vigorous turf stand that is better able to tolerate various stresses (heat, humidity, drying winds, traffic, etc.) that can have a negative effect on turf health. A thick, vigorous CHIPCO SIGNATURE FUNGICIDE treated turf is better able to resist disease development and suppress the development of other pests such as weeds and algae.

**Summer Decline:** For control of summer decline caused by a complex of *Pythium* and *Rhizoctonia* diseases, CHIPCO SIGNATURE FUNGICIDE can be tank-mixed with the products listed below in accordance with the most restrictive of label limitations and precautions. Do not exceed label dosage rates. This product cannot be mixed with any product containing a label prohibition against such mixing.

**Anthraxnose:** For improved control of anthracnose CHIPCO SIGNATURE FUNGICIDE can be tank-mixed with the products listed below in accordance with the most restrictive of label limitations and precautions. A preventative, multi-application (repeated every 14 days) program must be started prior to the appearance of the disease and the conditions favorable to anthracnose.

**Bentgrass Dead Spot:** For control of bentgrass dead spot, CHIPCO SIGNATURE FUNGICIDE can be tank-mixed with the products listed below in accordance with the most restrictive of label limitations and precautions. A preventative, multi-application (repeated every 14 days) program must be started prior to the appearance of the disease and the conditions favorable for development of bentgrass dead spot.

PRODUCT	RATE OZ. PRODUCT/ 1,000 SQ. FT	DISEASE	APPLICATION INTERVAL		
CHIPCO SIGNATURE FUNGICIDE + 26 GT® or Tartan®	4.0 to 8.0	Summer Decline ( <i>Pythium</i> , <i>Anthraxnose</i> , and <i>Rhizoctonia</i> spp.) and/or	14 days		
	3.0 to 4.0 or 1.0 to 2.0				
	Daconil® Ultrex® or Fore® WP or ProStar® 70WP	3.2 or 4.0 to 8.0 or 1.5 to 3.0	Anthraxnose ( <i>Colletotrichum graminicola</i> )		
CHIPCO SIGNATURE FUNGICIDE + Fore® Rainshield® or Daconil® Ultrex®	4.0	Bentgrass Dead Spot ( <i>Ophiopogon</i> spp.)	14 days		
	8.0 or 3.2				

Do not exceed a total of 180 lb. of product per acre (144 lb. a.i./A), per year.

## Mixing Instructions

Add CHIPCO SIGNATURE FUNGICIDE to the tank after the tank mix partner has been added and allowed to fully disperse. The order in which products are added to the tank can affect its ability to go into solution.

Apply as a foliar spray using 1 to 5 gallons of water per 1000 sq. ft. Apply with a properly calibrated sprayer. Begin preventative applications when conditions first favor disease and repeat at recommended interval. Do not mow and/or water treated areas until foliage is completely dry. Maintain agitation during spray operations.

If a tank mix with other fungicides is used, follow label directions for the use of that product and apply at the recommended rate for control of the target disease organism.

## COMPATIBILITY

CHIPCO SIGNATURE FUNGICIDE may not be chemically compatible with foliar fertilizers or with copper-based fungicides and phytotoxicity may occur. Do not mix CHIPCO SIGNATURE FUNGICIDE with any sticker, extender, or wetting agent.

To determine the physical compatibility of CHIPCO SIGNATURE FUNGICIDE with any other product, use a small container to mix a small amount (e.g. 1 pint) of spray solution, containing all ingredients in the same order and ratio as the anticipated use. If any indication of physical incompatibility develops, do not use this mixture for spraying. Indication of incompatibility usually appears within 5 - 15 minutes after mixing. Read and follow all directions and precautions on this label and on the labels of any products for which a tank mixture is being considered.

CHIPCO SIGNATURE FUNGICIDE is not physically compatible Rubigan® A.S. and Spectro® 90 WDG Fungicides as a tank mixture. These products should not be combined for application.

Do not graze animals on treated turf. Do not feed clippings from treated turf to livestock and poultry.

## DIRECTIONS THROUGH SPRINKLER IRRIGATION SYSTEMS

Apply this product only through sprinkler irrigation systems including microjet, drip, solid set, and center pivot. Do not apply this product through any other type of irrigation system.

**SPRAY PREPARATION:** Remove scale, pesticide residues, and other foreign matter from the chemical tank and entire injector system. Flush with clean water.

**APPLICATION INSTRUCTIONS:** First, prepare a suspension of CHIPCO SIGNATURE FUNGICIDE in a mix tank. Fill tank with 1/2 to 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Add the required amount CHIPCO SIGNATURE FUNGICIDE, and then the remaining volume of water. Then set sprinkler to deliver 0.1 to 0.3 inches of water per acre. Start sprinkler and uniformly inject the suspension of CHIPCO SIGNATURE FUNGICIDE into the irrigation water line so as to deliver the desired rate per acre. The suspension of CHIPCO SIGNATURE FUNGICIDE should be injected with a positive displacement pump into the main line ahead of a right angle turn to ensure adequate mixing. If you should have any other questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

**NOTE: For Microjet and Drip Irrigation Systems:** When treatment with CHIPCO SIGNATURE FUNGICIDE has been completed, further field irrigation over the treated area should be avoided for 24 to 48 hours. **For Solid Set and Center Pivot Irrigation Systems:** When treatment with CHIPCO SIGNATURE FUNGICIDE has been completed, further field irrigation over the treated area should be avoided until foliage is dry to prevent washing the chemical off the plants.

## GENERAL PRECAUTIONS FOR APPLICATIONS THROUGH SPRINKLER IRRIGATION SYSTEMS

Maintain continuous agitation in mix tank during mixing and application to assure a uniform suspension.

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. The pesticide injection pipeline must contain a functional, automatic, back-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also 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 withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. 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. 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. Do not apply when wind speed favors drift, when system connection or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product must be dismantled and drained. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop may result from nonuniform distribution of treated water. Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation shall shut the system down and make necessary adjustments should the need arise. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.

## STORAGE AND DISPOSAL

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

### PESTICIDE STORAGE

Store in original container and keep tightly closed when not in use. Store in a cool dry place. Avoid cross-contamination with other pesticides.

### PESTICIDE DISPOSAL

Pesticides 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 Pesticide or Environmental Control Agency or Hazardous Waste representative at the nearest EPA regional office for guidance in proper disposal methods.

### CONTAINER HANDLING

**Rigid Non-refillable Containers that are too large to shake (i.e., with capacities greater than 5 gallons or 50 lbs.)**

Non-refillable container. Do not reuse or refill this container. Refer to Bottom Discharge IBC or Top Discharge IBC, Drums, Kegs information as follows.

### Top Discharge IBC, Drums, Kegs (e.g., Snyder 120 Next Gen, Bonar B120, Drums, Kegs)

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

### Non-Seed Treatment Products in Non-Refillable Fiber Drums with Liners

Non-refillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment, then offer for recycling if available or dispose of in a sanitary landfill or by incineration. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

### Rigid Non-Refillable containers with capacities smaller or equal to 5 gallons

#### PLASTIC CONTAINERS:

Non refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying.

#### SOLID Dilutable formulations:

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 if available or puncture and dispose of in a sanitary landfill, or by incineration.

### Non-Seed Treatment Products in Non-Rigid, Non-refillable Containers = BAGS

Nonrefillable container. Do not reuse or refill this container. Completely empty container into application equipment. Then offer for recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

## IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, and Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Warranty, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, plant injury or other property damage, or other unintended consequences, may result because of factors beyond the control of Bayer CropScience LP such as weather conditions, presence of other materials or the manner of use or application. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

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Produced for:  
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