



CHIPCO®
Signature™

Product

information sheet

- // Active Ingredients: Aluminum tris (O-ethyl phosphonate) [fosetyl-Al] (80%)
- // FRAC Code: P07 (Phosphonates)
- // Systemicity: Systemic penetrant
- // Formulation: Water-dispersible granule with Stressgard®
- // Signal Word: Caution

Chipco® Signature™ has over 20 years of proven effectiveness for the control of Pythium diseases and summer decline. Signature tank mixes should be a cornerstone for anthracnose management programs on annual bluegrass and creeping bentgrass putting greens. Chipco Signature is a true systemic fungicide and there are no documented reports of resistance development in the field. It can be used to manage stress and increase turf quality under a wide variety of environmental conditions.

Best Uses

- // Pythium diseases, anthracnose, summer decline and bacterial decline

Key Strengths

- // Prevention of Pythium blight, Pythium root rots, summer decline and suppression of bacterial decline

Attributes of Chipco Signature

- // Proven plant health effects
- // No documented history of resistance
- // Upwards and downwards systemic activity
- // Stressgard for product safety under summer stress, UV radiation management and improved turf color and density

Solutions for Tough Diseases

- // Chipco Signature provides preventive control of Pythium
- // Chipco Signature tank-mixes provide preventive control of anthracnose and summer decline of bentgrass and Poa
- // Chipco Signature can be used to manage symptoms of bacterial decline
- // Chipco Signature tank-mixes provide preventive control of leaf spot and summer decline of bermudagrass

How to Use Chipco Signature

Alone

Chipco Signature should be used preventatively for the control of Pythium diseases.

In tank-mix

Chipco Signature tank-mixes should be applied preventatively for disease and stress management. Daconil Ultrex® and Secure® are the preferred tank-mix partner with Chipco Signature for summer decline and anthracnose control. Tank-mixes with mancozeb (Fore® Rainshield®, Dithane® Rainshield®) are recommended for leaf spot & melting out control.

Chipco Signature can be mixed with Stressgard fungicides including Interface® Stressgard, Tartan® Stressgard, Mirage Stressgard and Exteris® Stressgard, as well as non-Stressgard fungicides such as 26GT® and Prostar® for summer decline management.

How to Use Chipco Signature (continued)

Product mixes vary greatly depending on the type and number of products in the tank. In many instances adding Chipco Signature last will alleviate incompatibility issues, however in some instances, it may be best to add Chipco Signature to the tank first. Do not mix Chipco Signature with, Spectro™ 90 WDG or copper-containing fungicides such as Junction® fungicide. If there are doubts for any other product used in tank-mix with Chipco Signature, perform a small jar test to identify an incompatible reaction. See the Chipco Signature label for full information on performing a compatibility test. North Carolina State University suggests that Banol® and Chipco Signature should be part of a rotation program to control Pythium root dysfunction caused by *Pythium volutum* (http://www.turffiles.ncsu.edu/diseases/Pythium_Root_Dysfunction.aspx).

Key Diseases Controlled ¹	Rate (per 1,000 sq ft)	Application Interval
Pythium Diseases / Yellow Tuft •	4.0 - 8.0 oz	14 - 21 days
Anthracnose / Summer Decline ••	4.0 oz Chipco Signature + 3.2 oz Daconil Ultrex	14 days
	4.0 oz Chipco Signature + 4.0 - 8.0 oz Fore Rainshield	14 days
Summer Decline ••	4.0 oz Chipco Signature + 3.0 - 7.0 oz Interface Stressgard or 2.0 - 4.0 oz 26GT	14 - 28 days

• = cool-season turf diseases

•• = warm-season turf diseases

¹See the Chipco Signature label for the complete list of diseases controlled. Refer to the Chipco Signature label for application information. Always read and follow label instructions carefully.

Chipco Signature Rate Chart

Use Rate (oz/1,000 sq ft)	Coverage per Container (1,000 sq ft)	Coverage per Container (acre)	LBS fosetyl-AI (per 1,000 sq ft)	LBS fosetyl-AI (per acre)	Applications at Rate (per year)
4	22	0.5	0.20	8.7	16
6	15	0.3	0.30	13.1	11
8	11	0.3	0.40	17.4	8

Package size: 5.5 lbs container.



Anthracnose (caused by *Colletotrichum cereale*) trial at Michigan State University. Treated plot received preventive applications of Chipco Signature 4.0 oz./ 1,000 sq. ft. with Daconil Ultrex 3.2 oz./1,000 sq. ft. every 14 days. (Bayer)

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ALWAYS READ AND FOLLOW LABEL INSTRUCTIONS
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