

Anthracnose – Foliar Blight and Basal Rot

Anthracnose can be a very destructive disease on golf courses, especially on putting greens.

Anthracnose can cause foliar blight affecting turfgrass leaves, or as basal rot affecting leaf sheaths, crowns, and stolons. Symptoms can appear as yellow to orange patches in irregular patterns. Individual leaves affected by foliar blight can appear chlorotic (yellow) and progress to necrotic (bronze to red to brown), while basal rot symptoms appear dark or black on or near the crowns (base) of the plants. Black, pepper-like, fruiting bodies (acervuli) can often be seen on foliage and crowns as the disease progresses.

Annual bluegrass is the most susceptible turfgrass species on the golf course. Foliar blight symptoms are more likely to be seen on creeping bentgrass in the stressful summer months. While basal rot can affect both species, it can be devastating to annual bluegrass in the cooler months of the spring as well as the summer.

Pathogen:

Colletotrichum cereale

Turfgrass Hosts:

Annual bluegrass & creeping bentgrass; typically, more of an issue on golf course putting greens

Season:

June – September on creeping bentgrass; April – November on annual bluegrass

NUFARM SOLUTIONS

Fungicide	Active Ingredient(s)	FRAC Code	Activity on Anthracnose	App. Interval	Strengths
Affirm™	Polyoxin-D	19	Good to excellent	7-14 days	Excellent summer safety and a hammer when conditions favor symptoms in the spring and summer.
Verdato™	Fludioxonil	12	Good to excellent	14 days	Excellent summer safety. Protects turf leaves and crowns and destroys spores quickly.
Traction™	Tebuconazole + fluazinam	3 + 29	Good to excellent	14-28 days	Basis of prevention in the spring (cooler) months.

Performance You Can Rely On

Affirm, **Verdato**, and **Traction** include four different modes of action to combat development of resistant anthracnose pathogens.

Affirm™

Affirm is a hammer to knock down pathogens on contact. It resets the stage even when the pathogen population gets out of hand.

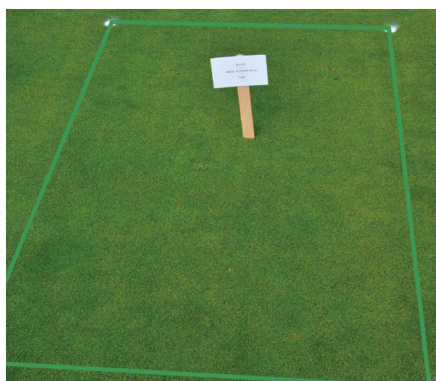
Traction™

Traction is the perfect foundation to begin the prevention of anthracnose, and its broad spectrum will control many other pathogens that cause diseases like brown patch and dollar spot as well.

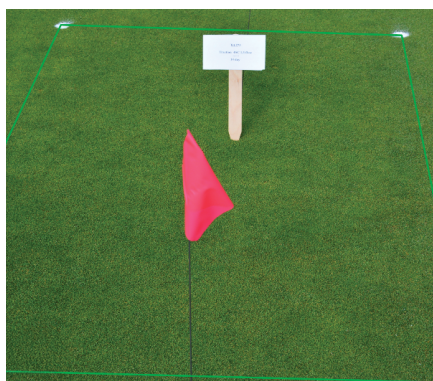
Verdato™

Verdato affects hyphae (fungal growth structures) and spores (reproductive structures) to limit the spread of anthracnose over space and time.

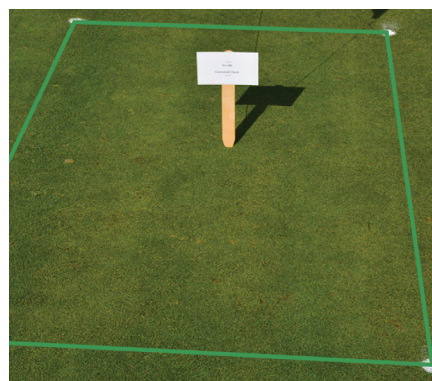
Affirm, Traction, and Verdato will provide excellent control of brown patch and other *Rhizoctonia* pathogens, which can devastate annual bluegrass and creeping bentgrass in spring and summer.



AFFIRM - 7 DAY



TRACTION - 14 DAY



UNTREATED

Foliar and Basal Anthracnose (*Rutgers University, Dr. B. Clarke*)



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