

Fungicides currently available for anthracnose control

Chemical class ^a	Common name	Topical MOA ^b	Utility	Resistance risk	Trade name(s)	FRAC code ^c	Efficacy ^d
Aromatic hydrocarbon	PCNB	contact	preventive	low	Autilus (AMVAC)	14	3 ^e
Benzimidazole	thiophanate-methyl	acropetal penetrant	preventive/curative	high	3336 (NuFarm), T-Bird (UPI), Systec 1998 (Regal), TM (ArmorTech)	1	1/2 ^f
Dicarboximides	iprodione	localized penetrant	preventive	moderate-high	Chipco 26GT (Bayer), Eclipse ETQ (SipcamAdvan), Raven (UPI), IP (ArmorTech)	2	2 ^g
DMI	fenarimol	acropetal penetrant	preventive/curative	moderate	Rubigan (Gowan)	3	2
	metconazole	acropetal penetrant	preventive/curative	moderate	Tourney (Valent/Nufarm)	3	3
	myclobutanil	acropetal penetrant	preventive/curative	moderate	Eagle (Dow), Golden Eagle (Andersons), Myclo (ArmorTech)	3	2
	propiconazole	acropetal penetrant	preventive/curative	moderate	Banner Maxx (Syngenta), Propiconazole (Quali-Pro), Savvi (Regal), Strider (Nufarm)	3	2.5
	tebuconazole	acropetal penetrant	preventive/curative	moderate	Torque (Nufarm), Mirage (Bayer), Clearscape ETQ (Sipcam Advan), TEB360 (ArmorTech)	3	3
	triadimefon	acropetal penetrant	preventive/curative	moderate	Bayleton (Bayer), Fungicide VII (Andersons)	3	1.5
	triticonazole	acropetal penetrant	preventive/curative	moderate	Trinity (BASF), Triton (Bayer)	3	3
Isoparaffin	mineral oil	acropetal penetrant	preventive/curative	low	Civitas One (Intelligro)	NC	3 ^e
Nitrile	chlorothalonil	contact	preventive	low	Daconil (Syngenta), Pegasus (UPI), Echo (Sipcam Advan), CLT (ArmorTech)	M5	3
Phenylpyrrole	fludioxonil	contact	preventive	low-moderate	Medallion (Syngenta)	12	3
Phosphonates	fosetyl-Al	true systemic	preventive	low	Signature (Bayer), Signature Xtra (Bayer)	33	2-3 ^h
	phosphite salt	true systemic	preventive	low	Alude (Nufarm), Appear (Syngenta), Fiata (Bayer), PK-Plus (Grigg Bros.)	33	2-3 ^h
Polyoxins	polyoxin D	localized penetrant	preventive	moderate	Affirm (Nufarm)	19	3
Pyridinamine	fluazinam	contact	preventive	low	Secure (Syngenta)	29	1.5
QoI	azoxystrobin	acropetal penetrant	preventive/curative	high	Heritage (Syngenta), Endow (Sipcam Advan), ZOXY (ArmorTech)	11	1/3 ⁱ
	fluoxastrobin	acropetal penetrant	preventive/curative	high	Fame SC (FMC)	11	1/3 ⁱ
	pyraclostrobin	localized penetrant	preventive/curative	high	Insignia (BASF)	11	1/3 ^f
	trifloxystrobin	localized penetrant	preventive/curative	high	Compass (Bayer)	11	1/3 ⁱ
SDHI	penthiopyrad	acropetal penetrant	preventive/curative	moderate-high	Velista (Syngenta)	7	3 ⁱ

Note. The list of products in this table is not intended to be complete. Other turf fungicide products/trade names containing the same active ingredients may also be available.

^aDMI, demethylation inhibitors; QoI, quinone outside inhibitors (also known as strobilurin fungicides); SDHI, superoxide dismutase inhibiting fungicides

^bMOA, mode of action

^cFRAC codes indicate the biochemical mode of action, according to the Fungicide Resistance Action Committee (www.frac.info/). M5, multisite inhibitor; NC, not classified.

^dEfficacy of fungicides labeled for the control of anthracnose based on a 1-4 scale, where 1= inconsistent control, 2 = fair to good control, 3 = good to excellent control, and 4 = consistently good to excellent control in published studies (32).

^eTo reduce the potential for phytotoxicity, do not apply during hot weather (>90 F) or periods of severe environmental stress. Do not mix Civitas with PCNB, chlorothalonil, DMI fungicides, or iron-containing products during periods of high temperatures and high humidity. Add a pigment (for example, PAR) to Autilus to mask chlorosis, which may occur at high label rate. After application, immediately irrigate with 0.25 inch of water.

^fLower efficacy rating applies when fungicide resistant isolates of *Colletotrichum cereale* are present.

^gVariable control can be expected when this product is applied alone. For best results, tank-mix with other fungicides known to suppress anthracnose to improve efficacy.

^hShould be tank-mixed with other fungicides known to suppress anthracnose under conditions of high disease pressure in order to provide acceptable disease control.

ⁱMore effective when used preventively.

Table 1. Fungicides that are currently available for anthracnose control.