Table 2. Basic fungicides labeled for management of turfgrass diseases. *(Compiled by Barb Corwin and Kyle Briscoe)*

FRAC code[1]	Group name	Chemical group	Common name	Topical mode of action[2]	Selected registrant(s)	Selected trade name(s)	Ascomycetes: bentgrass dead spot	Ascomycetes: dollar spot	Ascomycetes: gray leaf spot	Ascomycetes: necrotic ring spot	Ascomycetes: powdery mildew	Ascomycetes: spring dead spot	Ascomycetes: summer patch	Ascomycetes: take-all patch	Basidiomycetes: Rhizoctonia: brown patch	Basidiomycetes: Rhizoctonia: large patch	Basidiomycetes: Rhizoctonia: yellow patch	Basidiomycetes: fairy ring	Basidiomycetes: gray snow mold	Basidiomycetes: pink patch	Basidiomycetes: red thread	Basidiomycetes: rust	Basidiomycetes: smut	Imperfects: anthracnose	Imperfects: Ascochyta leaf blight	Imperfects: Helminthosporium leaf spots	Imperfects: Microdochium patch	Oomycetes: Pythium blight	Oomycetes: Pythium root rot	Oomycetes: Pythium seedling blight	Oomycetes: yellow tuft	Other: algae	Other: seedling blight	Other: slime mold
						Fungicide classification ➧																												
1	Methyl benzimidazole carbamate (MBC)																																	
		thiophanates	thiophanate methyl	XMS	The Andersons, Cleary	Fungo Flo, Cleary 3336		●	●	●		●	●	●	●	●					●		●	●	●	●	●							
2	Dicarboximide																																	
			iprodione	LS	Bayer	Chipco 26 GT		●		●					●	●			●		●					●	●							
			vinclozolin	LS	BASF	Curalan		●							●				●	●	●					●	●							
3	Demethylation inhibitors (DMI)																																	
		pyrimidines	fenarimol	XMS	Gowan	Rubigan		●		●	●	●	●	●	●				●		●			●			●							
		triazoles	myclobutanil	XMS	Dow AgroSciences	Eagle		●		●	●	●	●	●	●	●					●	●	●	●		●								
			propiconazole	XMS	Syngenta	Banner Maxx		●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●			●							
			triadimefon	XMS	Bayer	Bayleton		●			●		●	●	●	●			●		●	●	●	●			●							
4	Phenylamide																																	
		acylalalines	metalaxyl(-m)	XMS	Syngenta	Subdue Maxx																						●		●	●			
7	Carboxamide																																	
			boscalid	XMS	BASF	Emerald	●	●																										
			flutolanil	XMS	Bayer	Prostar									●	●	●	●	●	●	●													
11	Quinone outside inhibitor (QoI)																																	
		methoxy-acrylates	azoxystrobin	XMS	Syngenta	Heritage			●	●	●	●	●	●	●	●	●	●	●	●	●	●		●		●	●	●	●					
		methoxy-carbamates	pyraclostrobin	LS	BASF	Insignia	●	●	●		●		●	●	●			●	●	●	●	●		●		●	●	●						
		oximino acetates	trifloxystrobin	LS	Bayer	Compass		◉	●				●		●					●	●	●		●		●	●							
12	Phenylpyrrole																																	
			fludioxonil	C	Syngenta	Medallion	●		●				●		●		●		●					●		●	●							
14	Aromatic hydrocarbon																																	
			chloroneb	C	The Andersons, PBI Gordon	Proturf Fungicide II, Teremec SP									●				●									●						
			PCNB (quintozene)	C	Crompton	Turfcide		●							●	●			●							●	●							
		1,2,4-thiadiazoles	etridiazole	C	The Andersons	Koban																						●	●	●				
19	Polyoxin																																	
		peptidyl pyrimidine nucleoside	polyoxin D	LS	Cleary	Endorse			◉						●	●	●		●		●			●		●								
28	Carbamate																																	
			propamocarb	LS	Bayer	Banol																						●		●				
33	Phosphonate																																	
			phophorous acid	PMS	Cleary	Alude																						●		●				
		ethyl phosphonates	fosetyl-Al	PMS	Bayer	Aliette																						●	●		●			
M	M3																																	
		dithio-carbamate	mancozeb	C	Dow AgroSciences	Fore		●							●						●	●				●	●	●				●		●
			thiram	C	Cleary	Spotrete		●							●				●								●							
M	M4																																	
		phthalimides	captan	C	Drexel	Captan									●											●							●	
M	M5																																	
		chloronitriles	chlorothalonil	C	Syngenta	Daconil		●	●						●		●		●		●	●		●		●	●					●		

Comments: [1] Numbers or letters assigned by the Fungicide Resistance Action Committee (FRAC). Fungicides with the same FRAC code have the same or similar mode of action. For a complete FRAC code list: http://frac.info

[2]Classification from Paul Vincelli, University of Kentucky
C = contact, LS = locally systemic, XMS = xylem-mobile systemic, PMS = phloem-mobile systemic

◉ = suppression only

Disclaimer: All product information in this table is presented with the understanding that no endorsement of named products is intended, nor is criticism implied of similar products that are not mentioned.