Harrell's Fungicide Guide

Product Information

Name	Agency	Formulation	Sku Size	Active	Manufacturer	FRAC Resistance Management Code
26 GT	Y	L	2.5 gal	Iprodione 23.3%	Bayer	2
Affirm	Y	WDG	0.5/2.4 lb	polyoxin D zinc salt 11.3%	Nufarm	19
Appear 2	Y	L	2 gal	Potassium Phosphite 49.41%	Syngenta	P 07
Armada	Y	WDG	2 lbs	Trifloxystrobin 8.33%, Triadimefon 41.67%	Bayer	11, 3
Ascernity	Y	SC	1 gal	Benzovidiflupyr 2.24%, Difenoconazole 7.48%	Syngenta	3, 7
Banner MAXX II	Y	EC	1/10 gal	Propiconazole, 14.3%	Syngenta	3
Banol	Y	L	2.5 gal	Propamocarb hydrochloride 66.5%	Bayer	28
Bayleton FLO	Y	L	2.5 gal	Triadimefon 43%	Bayer	3
Briskway	Y	SC	1 gal	Azoxystrobin 18.2%, Difenoconazole 11.4%	Syngenta	11, 3
Chipco 26019	N	SC	2.5 gal	Iprodione 23.3%	Bayer	2
Chipco Signature	Y	80 WDG	44 lb	Aluminum tris (O-ethyl phosphonate) 80%	Bayer	P 07
Concert II	Y	EC	2.5 gal	Chlorothalonil 38.5%, Propiconazole 2.9%	Syngenta	M5, 3
Daconil Action	Y	Flowable	2.5 gal	Chlorothalonil 53.94%, Acibenzolar 0.11%	Syngenta	M5, P1
Daconil Ultrex	Y	WDG	5 lb	Chlorothalonil 82.5%	Syngenta	M5
Daconil Weather Stik	Y	SC	2.5 gal	Chlorothalonil 54%	Syngenta	M5
Daconil Zn	Y	F	2.5 gal	Chlorothalonil 38.5%	Syngenta	M5
Densicor	Y	SC	51 fl oz	Prothioconazole 41%	Bayer	3
Eagle	N	EW	16 oz/1 gal	Myclobutanil 19.7%	Corteva	3
Emerald	Y	WDG	0.49 lb	Boscalid 70%	BASF	7
Exteris Stressgard	Y	SC	2.5 gal	Fluopyram 1.19%, Trifloxystrobin 1.92%	Bayer	7, 11
Fame	Y	SC	0.5 gal/2.5 gal	Fluoxastrobin 40.3%	FMC	11
Fiata Stressgard	Y	L	2.5 gal	Mono- and di-potassium salts of phosphorous acid 25.85%	Bayer	P 07
Fore	N	WP	6 lb	Mancozeb 80%	Corteva	M 03
Headway	Y	EC	1/10 gal	Azoxystrobin 5.73%, Propiconazole 9.54%	Syngenta	3, 11
Heritage Action	Y	WDG	1 lb/6 lb	Azoxystrobin 50%, Acibenzolar 1.18%	Syngenta	11, P1
Heritage TL	Y	ME	1/10 gal	Azoxystrobin 8.8%	Syngenta	11
Honor Intrinsic	Y	WDG	3/36 lb	Pyraclostrobin 16.8%, Boscalid 11.2%	BASF	7,11
Insignia Intrinsic	Y	SC	30.5 fl oz/2.5 gal	Pyraclostrobin 23.3%	BASF	11
Instrata	Y	SE	2.5 gal	Chlorothalonil 29.9%, Propiconazole 4.7%, Fludioxonil 1.2%	Syngenta	3, 12, m
Interface Stressgard	Y	L	2.5 gal	Iprodione 23.1%, Trifloxystrobin 1.44%	Bayer	2 + 11
Kabuto	QA	SC	21.8 oz/1 gal	Isofetamid 36%	PBI	7
Kalida	Y	SC	0.5 gal	Fluindapyr 20.9%, Flutriafol 20.9%	FMC	7 + 3
Lexicon	Y	SC	21 fl oz	Fluxapyroxad 14.33%, Pyraclostrobin 28.58%	BASF	7, 11
Maxtima	Y	SC	26 fl oz/2.5 gal	Mefentrifluconazole 34.93%	BASF	3
Medallion	Y	SC	1 gal	Fludioxonil 11.8%	Syngenta	12
Mirage StressGard	Y	L	2.5 gal	Tebuconazole 21.4%	Bayer	3
Navicon	Y	SC	37 fl oz/2.5 gal	Mefentrifluconazole 17.56%, Pyraclostrobin 17.56%	BASF	3, 11
Pedigree	QA	SC	2.5 gal	Flutolanil 40%	PBI	7
Pillar G	N	G	30 lb	Pyraclostrobin 0.38%, Triticonazole 0.43%	BASF	11, 3
Posterity	Y	SC	42/105 fl oz	Pydiflumetofen 18.3%	Syngenta	7
Posterity Forte	Y	SC	1 gal	Pydiflumetofen 7%, Azoxystrobin 9.3%, Propiconazole 11.6%	Syngenta	3, 7, 11
Posterity XT	Y	SC	2.5 gal	Pydiflumetofen 1%, Azoxystrobin 6%, Propiconazole 10.1%	Syngenta	3, 7, 11
Prostar	Y	WG	3 lb	Flutolanil 70%	Bayer	7
ProtectMAX® Azoxy*	N	SC	1 gal	Azoxystrobin 22.93%	Harrell's	11
ProtectMAX® Chlorothalonil 6L	N	L	2.5 gal	Chlorothalonil 54%	Harrell's	M5
ProtectMAX® Chlorothalonil DF	N	DF	5 lb	Chlorothalonil 82.5%	Harrell's	M5
ProtectMAX® Fluazinam	N	L	2.5 gal	Fluazinam 40%	Harrell's	29
ProtectMAX®Propiconazole	N	L	2.5 gal	Propiconazole 14.3%	Harrell's	3
ProtectMAX® Tebuconazole	N	L	2.5 gal	Tebuconazole 38.7%	Harrell's	3
ProtectMAX® Title Phyte	N	L	2.5 gal	Mono- and di-potassium salts of phosphorous acid 50.6%	Harrell's	P07
ProtectMAX® T-Methyl	N	L	2.5 gal	Thiophanate-methyl 46.2%	Harrell's	1
Rayora	Y	L	2.5 gal	Flutriafol 11.8%	FMC	3
Renown	Y	L	2.5 gal	Chlorothalonil 45%, Azoxystrobin 3%	Syngenta	M5, 11
Secure	Y	L	2.5 gal	Fluazinam 40%	Syngenta	29
Secure Action	Y	SC	0.5/2.5 gal	Fluazinam 40%, Acibenzolar-S-methyl 0.6%	Syngenta	29, P01
Segway 3.3 SC	QA	L	39.2 fl oz	Cyazofamid 34.5%	PBI	21
Serata	Y	WDG	2 lbs 3 oz	Picarbutrazox 20.28%	FMC	U17
Signature XTRA Stressgard	Y	WP	5.5 lb	Aluminum tris (O-ethyl phosphonate) 60%	Bayer	P 07
Subdue MAXX	Y	L	1/10 gal	Mefenoxam 22%	Syngenta	4
Tartan Stressgard	Y	2 L	2.5 gal	Trifloxystrobin 4.17%, Triadimefon 20.86%	Bayer	11, 3
Tekken	N	SC	2.5 gal	Isofetamid 5.06%, Tebuconazole 15.18%	PBI	3, 7
Terrazole	N	L	1 qt	Etridiazole 44.3%	OHP	14
Tourney	N	50 WDG	5 lb	Metconazole 50%	Nufarm	3
Velista	Y	WDG	22 oz	Penthiopyrad, 50%	Syngenta	7
Xzemplar	Y	SC	11.4/114 oz	Fluxapyroxad 26.55%	BASF	7

Use Sites, Rates, Plant Health, Phytomobility

Name	Use Sites: Golf Courses	Residential	Commercial	Sports Turf	Sod Farms	Rates: Rate Range (Oz./1000 sq. ft.)	Max Single App Use Rate (Oz/1000 sq. ft.)	Annual Max Use (Oz/1000 sq. ft.)	Maximum Number of Sequential Applications	Reapplication Interval (Days)	Plant Health: Plant Activated Resistance	Oxidative Stress Reduction	Reduced Ethylene	Phytomobility: Acropetal penetrant	Contact	Systemic	Translaminar Movement	Localized penetrant
26 GT	x		x		x	4 - 8	8	35	-	14 - 28							x	X
Affirm	x	x	x	x	x	0.88	0.88	-	-	7 - 14							x	X
Appear 2	x					3 - 8	8	-	-	7 - 14	x					x		
Armada		x	x	x	x	0.6 - 1.5	1.5	4.76	-	14 - 28		x		x			x	X
Ascernity	x					1	1	4	3	14 - 28				x			x	X
Banner MAXX II	x	x	x	x	x	0.5 - 2	2	16	-	14 - 28				x				
Banol	x					1.33 - 4	4	12.25	-	7 - 21				x				
Bayleton FLO	x	x	x	x	x	0.25 - 1.9	1.9	3.8	-	14 - 30				x				
Briskway	x					0.5 -1.2	1.2	3.6	3	14-28		x		x				
Chipco 26019	x				x	2 - 8	8	35	-	14 - 28							x	X
Chipco Signature	x	x	x	x	x	4 - 8	8	66	-	7 - 21	x					x		
Concert II	x		x	x	x	3 - 8.3	8.3	53	-	14 - 28				x	x			
Daconil Action	x		x	x	x	1 - 5.4	5.4	6.25	-	7-30	x				x			
Daconil Ultrex	x		x	x	x	1 - 5.03	5.03	32.5	-	7-21					x			
Daconil Weather Stik	x		x	x	x	1 - 5.5	5.5	35.7	-	7 - 28					x			
Daconil Zn	x		x	x	x	1.5 - 8	8	18.4	-	7 - 28					x			
Densicor	x					0.196	0.196	0.588	3	14 - 28				x				
Eagle	x	x	x	x	x	0.5 - 2.4	2.4	13.8		7 - 28				x				
Emerald	x					0.13 - 0.18	0.18	1.1	2	14 - 28				x				
Exteris Stressgard	x		x	x	x	1.5 - 6	6	12.6	6	7 - 28	x	x		x			x	X
Fame	x	x	x	x	x	0.18 - 0.36	0.37	1.57	4	7 - 28		x		x				
Fiata Stressgard	x	x	x	x	x	5 - 15	15	-	-	14 - 28	x					x		
Fore	x		x			4 - 8	8	320	5	10 - 14					x			
Headway	x	x	x	x		0.75 - 3	3	23.75	3	14 - 28		x	x	x				
Heritage Action	x	x	x	x	x	0.2 - 0.4	0.4	3.7	3	10-28	x	x	x	x				
Heritage TL	x	x	x	x	x	1 - 2	2	18.5	3	10-28		x	x	x				
Honor Intrinsic	x					0.55 - 1.1	1.1	6.6	3	10-28		x	x	x			x	X
Insignia Intrinsic	x	x	x	x	x	0.4 - 0.7	0.7	4.4	3	14-28		x	x				x	X
Instrata	x		x	x	x	2.75 - 11	11	44	-	14 - 28				x	x		x	X
Interface Stressgard	x		x		x	3 - 7	7	30	-	14-28	x	x	x				x	X
Kabuto	x	x	x	x	x	0.5 - 3.2	3.2	3.2	2	14 - 28				x				
Kalida	x		x			0.25 - 0.4	0.4	1.6	-	7 - 28				x				
Lexicon	x	x	x	x	x	0.34 - 0.47	0.47	1.95	2	7 - 28		x	x	x			x	X
Maxtima	x		x	x	x	0.4 - 0.8	0.8	1.6	2	14 - 28				x				X
Medallion	x	x	x	x	x	0.75 - 2	2	6	-	7 - 14							x	
Mirage StressGard	x					1 - 2	1	6.5		14 - 28	x			x				X
Navicon	x		x		x	0.7 - 0.85	0.85	2.55	3	10 - 28		x	x	x			x	
Pedigree	x	x	x	x	x	2.2 - 6.6	6.6	13.25	-	14 - 30				x				X
Pillar G	x	x	x	x	x	3.0 lbs	3 lbs	15 lbs	2	14-28		x	x	x				
Posterity	x					0.08 - 0.32	0.32	0.64	2	14 - 28				x				
Posterity Forte	X					0.42 - 0.84	0.84	1.68	3	14 - 28			x	x				
Posterity XT	x					1.5 - 3	3	9	3*	14 - 28				x				
Prostar	x	x	x	x	x	1.5 - 4.5	4.5	9	-	14 - 28				x				
ProtectMAX® Azoxy*	x	x	x	x		0.38 - 0.77	0.77	7.1	2	10 - 28		x		x				
ProtectMAX® Chlorothalonil 6L	x				x	2.6 - 5.5	5.5	35.75	-	7 - 14					x			
ProtectMAX® Chlorothalonil DF	x				x	1.82 - 5	5	32.5	-	7 - 14					x			
ProtectMAX® Fluazinam	x					0.5	0.5	5.9	12	14					x			
ProtectMAX®Propiconazole	x	x	x	x	x	0.5 - 4	4	16	-	14-28				x				
ProtectMAX® Tebuconazole	x					0.6 - 1.1	1.1	3.6	1	21				x				
ProtectMAX® Title Phyte	x	x	x	x	x	1 - 5	5	-	-	7	x					x		
ProtectMAX® T-Methyl	x	x	x	x		1.75 - 5.33	5.33	14.25	-	14 - 21				x				
Rayora	x		x			0.7 - 1.4	1.42	4.27	3	14 - 28				x				
Renown	x		x	x	x	2.5 - 4.5	4.5	44.3	3	7 - 21		x		x	x			
Secure	x					0.5	0.5	5.92	-	14					x			X
Secure Action	x					0.5	0.5	5.92	12	14 - 21	x				x			
Segway 3.3 SC	x	x	x	x	x	0.45 - 0.9	0.9	2.7	2	14 - 28							x	
Serata	x	x	x	x	x	0.6 - 0.8	0.8	2.4	-	14							x	
Signature XTRA Stressgard	x		x	x	x	2 - 6	6.0	88.2	-	7 - 21	x					x		X
Subdue MAXX	x	x	x	x	x	0.5 - 1	1	2	2	7 - 21				x				
Tartan Stressgard	x		x	x	x	1 - 2	2.5	7.92	3	14 - 28	x	x		x			x	
Tekken	x					3	3	9.6	2	14 - 28				x				
Terrazole	x					1.5 - 3	3	7	-	10 - 14					x			
Tourney	x	x	x	x	x	0.18 - 0.44	0.44	1.47	-	14 - 21				x				
Velista	x	x	x	x	x	0.3 - 0.7	0.7	2.2	2	14 - 21				x				
Xzemplar	x	x	x	x	x	0.16 - 0.26	0.26	1.08	2	14 - 28				x				

Disease Efficacy

Name	Anthracnose	Bentgrass Dead Spot	Bermudagrass Decline (Take-all Root Rot)	Brown Patch	Brown Ring Patch	Cool Weather Brown Patch	Dichondra Rust	Dollar Spot	Fairy Ring	Fusarium Patch	Gray Leaf Spot	Gray Snow Mold	Large Patch	Leaf Rust	Leaf Spot	Melting Out	Microdochium Patch	Necrotic Ring Spot
26 GT																		
Affirm	x			x	x	x			x		x	x	x		x	x	x	
Appear 2																		
Armada	x			x				x	x		x		x	x	x	x	x	x
Ascernity	x			x	x	x		x	x		x	x	x	x	x	x	x	x
Banner MAXX II	X			X		X	X	X		X	X	X	X		X	X	X	X
Banol																		
Bayleton FLO	X		X	X				X	X	X	X	X	X	X			X	
Briskway	X		X	X	X	X		X	X	X	X		X	X	X	X		X
Chipco 26019	x			x				x		x		x	x		x	x	x	x
Chipco Signature																		
Concert II	X			X	X			X		X	X	X	X		X	X	X	
Daconil Action	X			X				X		X	X	X			X	X		
Daconil Ultrex	X			X				X		X	X	X			X	X	X	
Daconil Weather Stik	X			X				X		X	X	X			X	X		
Daconil Zn	X			X				X		X	X	X			X	X		
Densicor	x		x	x	x			x	x		x	x	x				x	
Eagle	x			x			x	x		x	x		x	x	x	x	x	x
Emerald		X						X										
Exteris Stressgard	X			X		X		X			X			X	X	X	X	
Fame	X			X	X	X		X	X	X	X	X	X	X	X	X	X	X
Fiata Stressgard																		
Fore				X				X		X	X			X	X	X		
Headway	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Heritage Action	X		X	X	X	X		X	X	X	X	X	X	X	X	X	X	X
Heritage TL	X			X		X			X	X	X	X	X	X	X	X	X	X
Honor Intrinsic	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X
Insignia Intrinsic	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X
Instrata	X			X		X		X		X	X	X	X		X	X	X	
Interface Stressgard	X			X				X		X		X	X		X	X	X	X
Kabuto								x										
Kalida	x		x	x				x	x				x		x			
Lexicon	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X
Maxtima	X		X		X			X	X									
Medallion	X	X		X	X	X				X	X	X			X	X	X	
Mirage StressGard	X		X	X	X	X		X	X	X	X	X	X	X			X	X
Navicon	X		X	X				X		X	X	X	X	X	X	X	X	X
Pedigree				x	x				x			x	x					
Pillar G	x	x	x	x	x			x	x	x	x	x	x		x	x	x	x
Posterity								X	X								X	
Posterity Forte			x	x				x	x				x		x			
Posterity XT	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x
Prostar				X	X	X			X			X	X					
ProtectMAX® Azoxy*	X			X		X				X	X	X	X		X	X	X	X
ProtectMAX® Chlorothalonil 6L	X			X				X			X	x			X	X		
ProtectMAX® Chlorothalonil DF	X			X				X			X	x			X	X		
ProtectMAX® Fluazinam	X			X				X				X	X		X	X	X	
ProtectMAX®Propiconazole	X			X		X	X	X		X	X	X	X		X	X	X	X
ProtectMAX® Tebuconazole	X		X	X	X			X	X	X	X	X	X	X			X	X
ProtectMAX® Title Phyte	x																	
ProtectMAX® T-Methyl	X	X	X	X		X		X		X	X		X	X	X	X	X	X
Rayora	X			X				X			X		X	X				
Renown	X			X		X		X		X	X		X	X	X	X	X	
Secure	X			X				X				X	X		X	X	X	
Secure Action	X			X				X				X	X		X	X	X	
Segway 3.3 SC																		
Serata																		
Signature XTRA Stressgard																		
Subdue MAXX																		
Tartan Stressgard	X		X	X		X		X	X	X	X			X	X	X	X	
Tekken	X		X	X	X	X		X	X	X	X	X	X	X			X	
Terrazole																		
Tourney	X			X	X	X		X	X	X	X	X	X	X			X	X
Velista	X			X				X				X	X		X			
Xzemplar				X	X			X	X			X	X		X		X	

Name	Pink Patch	Pink Snow Mold	Powdery Mildew	Pythium Blight	Pythium Root Rot	Pythium Root Dysfunction	Rapid Blight	Red Thread	Rhizoctonia leaf or sheath spot (Mini Ring)	Southern Blight	Spring Dead Spot	Stem Rust	Stripe Rust	Summer Patch	Take-all Patch	Typhula Blight	Yellow Patch	Yellow Tuft
26 GT																		
Affirm		x						x	x							x		
Appear 2				X	X													
Armada	x	x						x		x		x	x	x	x			
Ascernity	x	x	x				x	x	x		x	x	x	x			x	
Banner MAXX II	X	X	X					X			X	X		X	X	X	X	
Banol				X	X													
Bayleton FLO		X	X					X		X		X	X	X	X	X		
Briskway	X		X					X	X	X		X	X	X	X		X	
Chipco 26019		x						x										
Chipco Signature				X	X													X
Concert II	X	X	X					X				X		X	X	X		
Daconil Action	X							X				X				X		
Daconil Ultrex	X	X						X				X				X	X	
Daconil Weather Stik								X				X				X		
Daconil Zn								X				X				X		
Densicor		x							x		x			x	x			
Eagle		x	x					x			x	x	x	x	x			
Emerald																		
Exteris Stressgard	X	X						X				X	X				X	
Fame	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	
Fiata Stressgard				X														
Fore				X			X	X				X	X			X	X	
Headway	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	
Heritage Action	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	
Heritage TL	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	
Honor Intrinsic	X	X	X	X		X	X	X	X			X	X	X	X	X	X	X
Insignia Intrinsic	X	X	X	X		X	X	X	X			X	X	X	X	X		X
Instrata		X						X				X		X		X	X	
Interface Stressgard	X	X					X	X				X	X			X		
Kabuto												x						
Kalida									x		x							
Lexicon	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
Maxtima											X			X	X			
Medallion		X							X					X		X	X	
Mirage StressGard	X	X						X			X	X	X	X	X	X	X	
Navicon	X	X	X	X	X	X	X	X	X			X	X	X	X	X		X
Pedigree	x							x	x	x							x	
Pillar G	x	x	x	x	x	x	x	x	x					x	x	x		x
Posterity											X							
Posterity Forte											x							
Posterity XT	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	
Prostar	X	X						X	X	X						X	X	
ProtectMAX® Azoxy*	X	X		X	X			X		X				X	X	X	X	
ProtectMAX® Chlorothalonil 6L		x						X				X						
ProtectMAX® Chlorothalonil DF		x						X				X						
ProtectMAX® Fluazinam	X	X						X				X				X		
ProtectMAX®Propiconazole	X	X	X					X			X	X		X	X	X	X	
ProtectMAX® Tebuconazole	X	X	X					X			X	X	X	X	X	X		
ProtectMAX® Title Phyte				x	x	x												x
ProtectMAX® T-Methyl		X						X				X	X	X			X	
Rayora			X								X	X	X	X				
Renown	X		X					X	X	X		X	X				X	
Secure	X	X						X				X						
Secure Action	X	X						X				X				X		
Segway 3.3 SC				X	X	X												
Serata				x	x													
Signature XTRA Stressgard				X	X	X												X
Subdue MAXX				X	X													X
Tartan Stressgard	X	X						X		X		X	X	X	X		X	
Tekken	X	X	X					X			X	X	X	X	X	X	X	
Terrazole				X	X													
Tourney		X						X				X	X	X	X	X	X	
Velista	X		X					X								X		
Xzemplar		X							X					X		X	X	

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