

TURF DISEASE CONTROL

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DISEASE	FUNGICIDE	FRAC	RATES (OZS./1000 ft ²)	REMARKS
chrAlgae	<i>benzovindiflupyr + difenoconazole</i> Ascernity	7 + 3	1.0 fl. oz. at 14 day intervals	For optimum control of algae Ascernity should be tank mixed or alternated with a fungicide containing Daconil, such as Daconil Action, Daconil Weather-Stik, Daconil Ultrex, Concert, or Renown.
	<i>chlorothalonil</i> Chlorostar Chlorothalonil 500ZN, 720SFT, DF Daconil Action, Daconil G Daconil Ultrex, Daconil Weatherstik Daconil Zn, Docket, Echo DF Echo, Dyad ETQ, Evade Legend, Manicure, Manicure Ultra Pegasus DFX	M5	1.8-7.4 oz. at 7-14 day intervals	Make sure surface drainage is good. Spike, slice or aerify if necessary. Label changes by manufacturers restrict use to commercial turf only. Not to be used on home lawns.
	<i>chlorothalonil + boscalid</i> Encartis	M5 + 7	3-4 fl. oz.	When colonies of algae are well established, dry out the affected area. Once dry, spike or verticut to enhance turfgrass recovery in conjunction with Encartis.
	<i>copper hydroxide</i> Kocide 54DF	M1	16 oz.	1 application.
	<i>fluazinam</i> Secure Rotator	29	0.5 fl. oz. at 14 day interval	For Algal scum (filamentous blue-green algae/cyanobacteria).
	<i>fluazinam + acibenzolar-S-methyl</i> Secure Action	29 + PO1	0.5 fl. oz. at 14 day interval	Golf courses only.
	<i>fluazinam + tebuconazole</i> Traction	29 + 3	1.3 fl. oz. at 14 day interval	Golf courses only.
	<i>fluxapyroxad</i> Xzemplar	7	0.21-0.26 fl. oz. at 14-28 day interval	
	<i>hydrogen dioxide</i> Zerotol TerraCyte Pro Perpose Plus	NC	6-25 oz	Curative control may require 2-3 consecutive applications. Perpose Plus Preventative: Dilute 1 fl oz/1 gal of water. Apply diluted 1-10 gal of solution to 1000ft ² . Curative: Dilute 5-10 fl oz/5 gal of water. Apply 5-10 gal of solution to 1000ft ² . Note: Perpose Plus label also includes control for Brown patch, dollar spot, Anthracnose, Fairy ring, Pythium, Summer patch, Rhizoctonia, Fusarium, Leaf spot, and slime mold. Check label for individual disease.
	<i>mancozeb</i> Dithane, Fore Manzate Protect T/O	M3	80WP-6 oz. 4F-9.6 fl. oz.	
	<i>mancozeb + copper sulfate</i> Junction	M3 + M1	2-4 oz at 7- 14 day intervals	May cause phytotoxicity during hot weather.
	<i>triticonazole</i> Trinity, Triton	3	0.5-1.0 fl oz at 14-28 day intervals	For algae suppression.
<i>triticonazole + chlorothalonil</i> Reserve	3 + M5	3.2-5.4 oz at 14-28 day intervals	Use the lower rate preventively for the suppression of algae.	

Supplemental 2(ee) label recommendations may be available for some listed pesticides. It is the end-user's responsibility to consult the manufacturer or websites like www.CDMS.net for additional recommendations.

TURF DISEASE CONTROL (continued)				
DISEASE	FUNGICIDE	FRAC	RATES (OZS./1000 ft ²)	REMARKS
Anthracnose, Helminthosporium, Curvularia, Leaf Spots, Rusts	<i>azoxystrobin</i> Heritage 50WG, G, TL Strobe, Strobe 50WG, Strobe 2L, ArmorTech Zoxy	11	0.2-0.4 oz. at 14-28 day intervals 2-4 lbs. at 14-28 day intervals	
	<i>azoxystrobin + chlorothalonil</i> Renown	11 + M5	2.5-4.5 oz. at 7-10 day intervals	
	<i>azoxystrobin + difenconazole</i> Briskway	11 + 3	0.3-0.725 fl. oz. at 14-28 day intervals	14 day intervals for anthracnose; 14-28 day intervals for other leaf spots.
	<i>azoxystrobin + propiconazole</i> Headway	11 + 3	0.75-3 oz. at 14-28 day intervals	
	<i>azoxystrobin + tebuconazole</i> ZoxyT, Strobe T	11 + 3	0.75-1.5 oz. at 14-28 day intervals	
	<i>Bacillus licheniformis</i> EcoGuard SB 3086	44	Up to 20 oz. at 3-14 day intervals	
	<i>Bacillus subtilis</i> Strain QST713, Rhapsody ArmorTech Sonnet	44	2.0-10 fl. oz. at 7-10 day intervals	Apply in sufficient water to provide thorough coverage. 2 gals. /1000 ft ² are commonly used.
	<i>Bacillus subtilis</i> Strain GB03 Companion	44	4.0-6 fl. oz. 14-28 day intervals	
	<i>benzovindiflupyr + difenoconazole</i> Ascernity	7 + 3	2.0 fl. oz. Rusts at 14-21 day intervals All others at 14 day intervals	Use preventatively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
	<i>chlorothalonil + boscalid</i> Encartis	M5 + 7	3-4 fl. oz. at 14-day intervals	Begin applications prior to or in the early stages of disease development. Use a shorter application interval and/or higher rate when prolonged favorable disease conditions exist.
	<i>chlorothalonil</i> Chlorostar Chlorothalonil 500ZN, 720SFT, DF Daconil Action, Daconil G Daconil Ultrex, Daconil Weatherstik Daconil Zn, Docket, Echo DF Echo, Dyad ETQ, Evade Legend, Manicure, Manicure Ultra Pegasus DFX	M5	Flowable Preventive: 3-6 fl oz at 7-10 day intervals Curative: 6-11 fl oz at 7-10 day intervals Wettable Powder (WDG90) Preventive: 1.75-3.5 oz at 7-10 day intervals Curative: 3.5-6.5 oz at 7-10 day intervals	Recent label changes by manufacturers restrict use to commercial turf only. Not to be used on home lawns.
	<i>chlorothalonil + propiconazole</i> Concert Concert II	M5 + 3	3-5.5 fl. oz. at 14-21 day intervals 5.5-8.5 fl. oz. at 14-28 day intervals	
	<i>chlorothalonil + propiconazole + fludioxonil</i> Instrata Versagard	M5 + 3 + 12	2.75-6 fl. oz. at 10-21 day intervals	
	<i>chlorothalonil + thiophanate methyl</i> Consyst, Peregrin, Spectro Tee-1-Up WDG, TM + CTN SPC	M5 + 1	2-8 oz. at 7-21 day intervals 2-5.76 oz. at 7-14 day intervals	
	<i>chlorothalonil + thiophanate methyl + iprodione + tebuconazole</i> Enclave	M5 + 1 + 2 + 3	3-4 fl. oz. at 14-21 day intervals For basal anthracnose use 4 fl. oz. at 14 day intervals 7-8 fl. oz. at 28 day intervals	Apply when disease first appears. Make additional applications as needed. Allow spray to dry before watering in.

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TURF DISEASE CONTROL (continued)				
DISEASE	FUNGICIDE	FRAC	RATES (OZS./1000 ft ²)	REMARKS
Anthracnose, Helminthosporium, Curvularia, Leaf Spots, Rusts (continued)	<i>cyazofamid + azoxystrobin</i> Union	21 + 11	2.9 to 5.75 fl. oz. at 14-28 day intervals	
	<i>fluzinam</i> Secure, Rotator	29	0.5 fl. oz. at 14 day intervals	Applications should be made prior to infection or when conditions become favorable for disease development.
	<i>fluzinam + acibenzolar-S-methyl</i> Secure Action	29 + P01	0.5 fl. oz. at 14 day intervals	Golf courses only.
	<i>fluzinam + tebuconazole</i> Traction	29 + 3	1.3 fl. oz. at 14 day intervals	Golf courses only.
	<i>fludioxonil</i> Medallion Medallion SC	12	0.25-0.50 oz. at 14-21 day intervals Anthracnose = 1-2 fl. oz. at a 14 day interval Leaf spot = 1-2 fl. oz. at 14-21 day intervals	
	<i>fluopyram + trifloxystrobin</i> Exteris	7+11	Anthracnose = 2.135-6.0 fl oz at 14-28 day intervals Rust = 1.5-4.135 fl oz	
	<i>fluoxastrobin</i> Disarm 480 SC, G Fame SC Fungicide, Fame G Fungicide	11	0.18-0.36 fl oz at 14-28 day intervals 2.3-4.6 lbs at 14-28 day intervals	Begin applications when conditions are favorable for disease development, prior to disease development.
	<i>fluoxastrobin + chlorothalonil</i> Disarm C Fame + C	11 + M5	3-5.9 oz at 14-28 day intervals	Begin applications when conditions are favorable for disease development, prior to disease development.
	<i>fluoxastrobin + myclobutanil</i> Disarm M	11 + 3	0.25-1.0 oz at 14-28 day intervals	Begin applications when conditions are favorable for disease development, prior to disease development.
	<i>fluoxastrobin + tebuconazole</i> Fame + T	11 + 3	0.45-0.9 oz. at 21-28 day intervals	
	<i>flutolanil + thiophanate methyl</i> Systar	7 + 1	2-3 oz at 14 day intervals	
	<i>flutriafol</i> Rayora	3	0.7-0.47 fl. oz. at 14-21 day intervals	For use on golf courses, in lawns and landscaped areas around public, industrial, and commercial properties. Check the entire label for restrictions.
	<i>fluxapyroxad + pyraclostrobin</i> Lexicon	7 + 11	0.34-0.47 fl oz at 14 to 28 days interval	
	<i>hydrogen dioxide</i> TerraCyte Pro Zerotol PERpose Plus	NC	6-25 oz	Curative control may require 2-3 consecutive applications. Use on 3-5 gals. per 1000 ft ² . Purpose Plus Preventative: Dilute 1 fl oz in 1 gal. of water. Apply diluted 1-10 gal of solution to 1000ft ² . Curative: Dilute 5-10 fl oz in 5 gals of water. Apply 5-10 gallons of dilute solution to 1000ft ² .
	<i>iprodione</i> 18 Plus ArmorTech IP233, Chipco 26GT, Chipco 26019, Eclipse ETQ, Iprodione Pro 2SE, Iprodione SPC, Ipro 2SE Fungicide X Raven	2	2-4 fl oz in 2-10 gals water Apply every 14-21 days 2 oz. = 12 tbs 1.5-2.0 oz at 14-21 day intervals 3-4 fl. oz at 14-28 day intervals	Not for use in residential areas.
<i>iprodione + thiophanate methyl</i> 6/36, ArmorTech TMI 2020, Dovetail Lesco Twosome, TM + IP SPC	2 + 1	1-4 oz at 14-21 day intervals		
<i>iprodione + trifloxystrobin</i> Interface	2 + 11	5-7 oz at 14-21 day intervals	Anthracnose suppression only.	
<i>isofetamid + tebuconazole</i> Tekken	7 + 3	3.0 fl. oz.		

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TURF DISEASE CONTROL (continued)				
DISEASE	FUNGICIDE	FRAC	RATES (OZS./1000 ft ²)	REMARKS
Anthracnose, Helminthosporium, Curvularia, Leaf Spots, Rusts (continued)	<i>mancozeb + copper hydroxide</i> Junction	M3 + M1	2-4 oz at 5 day intervals	
	<i>maneb, maneb + zinc sulfate & mancozeb</i>	M3	4 oz at 10-14 day intervals	
	<i>mandestrobin</i> Pinpoint	11	0.31 at 14 day intervals	
	<i>mefentrifluconazol</i> Maxtima	3	0.4-0.6 fl oz at 14 day intervals	
	<i>mefentrifluconazol + pyraclostrobin</i> Navicon	3 + 11	0.7-0.85 fl oz at 14-28 day intervals	
	<i>metconazole</i> Tourney	3	0.28-0.37 oz. at 14-21 day intervals	Apply when conditions are favorable for disease development. Do not use on Bermudagrass.
	<i>myclobutanil</i> ArmorTech Myclo 20EW Eagle 20EW, Eagle WSP 40 Golden Eagle, Lebanon Eagle G, Myclobutanil 20EW T/O	3	Preventive: 0.6 oz at 14 day intervals (3 oz. pkt./5000 ft ²)	Do not graze treated areas or feed clippings to livestock.
	<i>mineral oil</i> Civitas	NC	8-32 oz	Use only in conjunction with Civitas Harmonizer.
	<i>PCNB</i> Autilus, Engage, Penstar, Revere Terraclor Turfcide	14	7-10 oz. in 5-10 gals water at 3-4 week intervals. 5-6 oz. in 1-10 gals water at 7-10 day intervals	
	<i>PCNB + tebuconazole</i> Oreon Premion	14 + 3	4-8 fl oz for anthracnose 6-8 fl oz for rust at 14-28 day intervals	
	<i>penthiopyrad</i> Velistar	7	0.3-0.5 oz. at 14 day intervals	Begin applications at early stages of disease development.
	<i>phosphorus acid</i> Appear, Appear II, Fosphite	33	2-3 fl oz	Use only as preventative treatment or when conditions are favorable for disease development.
	<i>polyoxind</i> Affirm Endorse	19	4 oz. in a minimum of 2 gallons at 14 day intervals. 2.4 lbs./acre at 7-14 day intervals	Do not irrigate for 12 hours after application.
	<i>propiconazole</i> ArmorTech PPZ143MC, Banner Maxx Banner GL, Kestrel, Monsoon turf ProPensity 1.3ME, Prophesy, Propiconazole SPC 14.3, Propicure 3.6F Savvi, Strider	3	1-2 fl. oz. at 14-28 day intervals Banner GL individual packets – One packet treats 11,000-22,000ft ²	If anthracnose is present use 2 oz, rate in combination with Daconil or Chipco 26GT. Do not mow or irrigate treated areas until grass is completely dry. Do not use on home lawns. Bermudagrass and St. Augustinegrass can be sensitive to Banner. Do not exceed 2 fl. oz./1000ft ² every 30 days on any variety of Bermudagrass or St. Augustinegrass. On Bentgrass, do not exceed 1 oz./1000ft ² or apply at less than 21-day intervals when temperatures exceed 80°F.
	<i>prothioconazole</i> Densicor	3	0.196 fl. oz. at 14-21 day intervals	
	<i>pydiflumetofen + azoxystrobin + propiconazole</i> Posterity XT	7 + 11 + 3	1.5–3.0fl. oz. at 14–28dayintervals	Use preventatively. Begin applications when conditions are favorable for disease development, prior to disease development.
	<i>pydiflumetofen + azoxystrobin + propiconazole</i> Posterity Forte	7 + 11 + 3	0.63–0.84 fl oz at 14–21 day intervals	For Bipolaris leaf spot only.
<i>pyraclostrobin</i> Insignia, Insignia Intrinsic	11	0.5-0.9 oz at 14-28 day intervals	Use as preventative. Begin application when conditions are favorable for fungal infection; prior to disease symptom development.	

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TURF DISEASE CONTROL (continued)				
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Anthracnose, Helminthosporium, Curvularia, Leaf Spots, Rusts (continued)	<i>pyraclostrobin + boscalid</i> Honor, Honor Intrinisc	11 + 7	0.55-1.1 oz at 14-28 day intervals	
	<i>pyraclostrobin + triticonazole</i> Pillar	11 + 3	3.0 lbs at 28 day intervals	Do not make more than 5 applications per year at the use rate of 3.0 lbs. per 1000 ft ² .
	<i>Reynoutria sachalinensis</i> Regalia PTO	P5	1-3 fl oz at 7-14 day intervals	Use in a minimum of 1.5 gal water /1000 ft. ² Begin applications preventatively.
	<i>tebuconazole</i> ArmorTech TEB360 XL Mirage Stressguard Sipcam Clearscape Sipcam Clearscape, ETQ Torque	3	0.6 fl oz Mirage – 1.0-2.0 fl oz at 14-28 day intervals	For prevention, begin applications when conditions are favorable for disease development. Do not make two consecutive applications of Torque fungicide. Alternate with another fungicide with different mode of action. A second application may be made after 28 days.
	<i>thiophanate methyl</i> ArmorTech TM462, Cavalier Cleary's 3336, 3336 DG Lite, 3336 F, 3336 G, 3336 GC, 3336 Plus Fungo, Systec 1998, T-Bird 4.5L T-Bird 85 WDG, T-Methyl SPC 4.5 T-Methyl SPC 50, T-Methyl G T-Storm, Tee-off 4.5F	1	Preventive: 1 oz/5 gals water (Anthracnose) Apply every 10-14 day as needed Curative: Apply 2 oz/5 gals water	
	<i>thiram</i> Spotrete F	M3	Preventative: 3 ¼ fl oz at 7-10 day intervals Curative: 7 ½ fl oz at 3-5 day intervals	For best results use spray mix the same day it is prepared. Spray right after mowing or avoid mowing 12 hrs after application.
	<i>trifloxystrobin</i> Compass	11	Preventive: Apply 0.1-0.15 oz. at 14 day intervals Curative: Leaf spot—0.15-0.25 oz. in 1-2 gals. water at 21-28 day intervals Rust—0.2-0.25 oz. in 1-2 gals. water at 21 day intervals Preventive: Anthracnose - 0.15-0.2 oz at 14 day intervals in 1-2 gals water Curative: 0.25 oz at 21 day intervals in 1-2 gals Water	Apply when conditions are favorable for disease.
	<i>triadimefon</i> Bayleton 50 Bayleton Flo	3	1.0 oz/fl oz	For Anthracnose: Preventative rate: Apply at 30 day intervals and repeat as necessary for seasonal control. Depending on environmental conditions, residual control may be extended to 45 days. Curative rate: To control existing infections. Subsequent applications should be applied on a preventative schedule and rate. For golf and sod only. Not to be used on residential or commercial areas.
	<i>trifloxystrobin + triadimefon</i> Armada, Tartan	11 + 3	1-2 oz. at 14-28 day intervals 0.6-1.2 oz at 14-28 day intervals	
	<i>triticonazole</i> Trinity, Triton	3	0.5-1.0 fl oz at 14-28 day intervals	
<i>triticonazole + chlorothalonil</i> Reserve	3 + M5	3.2-4.5 oz at 14-28 day intervals		
<i>vinclozolin</i> Curalan Touche	2	1-2 oz (Helminthosporium) at 14-28 day intervals		

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TURF DISEASE CONTROL (continued)				
DISEASE	FUNGICIDE	FRAC	RATES (OZS./1000 ft ²)	REMARKS
Brown/Large Patch (<i>Rhizoctonia solani</i>) and Dollar Spot (<i>Sclerotinia homoeocarpa</i>)	<i>azoxystrobin</i> Heritage 50WG Heritage G Heritage TL, Strobe, ArmorTech	11	0.2-0.4 oz. at 14-28 day intervals 2-4 lbs. at 14-28 day intervals Heritage TL: 2 fl. oz.	*Not Recommended for Dollar Spot.
	<i>azoxystrobin</i> + <i>acibenzolar-s-methyl</i> Heritage Action	11 + P	0.2-0.4 oz. at 14-28 day intervals	*Not Recommended for Dollar Spot.
	<i>azoxystrobin</i> + <i>chlorothalonil</i> Renown	11 + M5	2.5-4.5 fl. oz. at 7-28 day intervals	
	<i>azoxystrobin</i> + <i>difenconazole</i> Briskway	11 + 3	BP/LP = 0.3-0.725 fl oz at 14-28 day intervals DS = 0.3-0.725 fl oz at 14-21 day intervals	
	<i>azoxystrobin</i> + <i>propiconazole</i> Headway	11 + 3	0.75-3 oz. at 14-28 day intervals	
	<i>azoxystrobin</i> + <i>tebuconazole</i> ZoxyT, Strobe T	11 + 3	0.5-1.5 oz. at 14-28 day intervals 0.75-1.5 oz. at 14-28 day intervals	
	<i>Boscalid</i> Emerald	7	0.13-0.18 oz. at 14-21 day intervals	*For Dollar Spot control only. Apply when conditions are favorable for disease development.
	<i>bacillus licheniformis</i> EcoGuard SB 3086	44	Up to 20 oz. at 3-14 day intervals	
	<i>bacillus subtilis</i> Strain QST713 Rhapsody, Sonnet, ArmorTech Sonnet	44	2.0-10 fl oz at 7-10 day intervals 0.5-2.5 fl oz at 7-10 day intervals	Apply in sufficient water to provide thorough coverage 2 gals./1000 ft ² are commonly used.
	<i>bacillus subtilis</i> Strain GB03 Companion	44	4.0-6 fl oz at 14-28 day intervals	
<i>benzovindiflupyr</i> + <i>difenoconazole</i> Ascernity	7 + 3	1.0 fl. oz. at 14-21 day intervals	For large patch of all warm-season turfgrasses, make 1 or 2 applications in fall prior to infection. A spring application during green-up may be required based on length of the infection period. Initiate first application for large patch/Zoysia patch when soil temperatures at a 2-4" depth averages 65°F.	

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TURF DISEASE CONTROL (continued)

DISEASE	FUNGICIDE	FRAC	RATES (OZS./1000 ft ²)	REMARKS
Brown/Large Patch (<i>Rhizoctonia solani</i>) and Dollar Spot (<i>Sclerotinia homoeocarpa</i>) (continued)	<i>chlorothalonil</i> ArmorTech CLT 720 ArmorTech CLT 825 Chlorostar Chlorothalonil 500ZN, 720SFT, DF Daconil Action Daconil G Daconil Ultrex Daconil Weatherstik Daconil Zn Docket Echo DF Echo Dyad ETQ Evade Legend Manicure Manicure Ultra Pegasus DFX	M5	Flowable 40.4% Preventive: Brown Patch - 3-6 fl oz at 7-10 day intervals Dollar Spot - 3-6 fl oz at 7-14 day intervals Curative: Brown Patch - 6-11 fl oz at 7-10 day intervals Dollar Spot - 6-11 fl oz at 7-14 day intervals Wettable Powder (WDG90) Preventive: Brown Patch - 1.75-3.5 oz. at 7-10 day intervals Dollar Spot - 1.75-3.5 oz. at 7-14 day intervals. 4 oz. = 15 Tbs. Curative: Brown Patch - 3.5-6.5 oz. at 7-10 day intervals Dollar Spot - 3.5-6.5 oz. at 7-14 day intervals	Recent label changes by manufacturers restrict use to commercial turf only. Not to be used on home lawns.
	<i>chlorothalonil + boscalid</i> Encartis	M5 + 7	For dollar spot: 3-4 fl. oz. at 14-21 day intervals For large patch: 4 fl. oz. at 21-28 day intervals	Begin applications prior to or in the early stages of disease development. Use a shorter application interval and/or higher rate when prolonged favorable disease conditions exist.
	<i>chlorothalonil + propiconazole</i> Concert Concert II	M5 + 3	1.5-3 fl oz at 7-10 day intervals 3-5.5 fl oz at 14-21 day intervals 5.5- 8.5 fl oz at 14-28 day intervals	
	<i>chlorothalonil + propiconazole + fludioxonil</i> Instrata, Versaguard	M5 + 3 + 12	2.75-6 fl oz at 21-28 day intervals	
	<i>chlorothalonil + thiophanate methyl</i> Consyst, Peregrine Tee-1-up WDG, TM + CTN SPC	M5 + 1	2-8 oz. at 7-21 day intervals 2-5.76 oz. at 7-14 day intervals	
	<i>chlorothalonil + thiophanate methyl + iprodione + tebuconazole</i> Enclave	M5 + 1 + 2 + 3	3-4 fl oz at 14-21 day intervals 7-8 fl oz at 28 day intervals	Apply when disease first appears. Make additional applications as needed. Allow spray to dry watering in.
	<i>hydrogen dioxide</i> TerraCyte Pro Zerotol Perpose Plus	NC	6-25 oz.	Curative control may require 2-3 consecutive applications. Perpose Plus Preventative: Dilute 1 fl oz/1 gal of water. Apply diluted 1-10 gal of solution to 1000ft ² . Curative: Dilute 5-10 fl oz/5 gal of water. Apply 5-10 gal of solution to 1000ft ² .
	<i>fluazinam</i> Secure Rotator	29	0.5 fl oz at a 14 day interval	D.S. Apply as preventative disease program, starting when conditions become favorable for disease. B.P. Apply when conditions become favorable for disease. L.P. Apply in fall when temperatures drop below 70°F.
	<i>fluazinam + acibenzolar-S-methyl</i> Secure, Action	20 + PO1	0.5 fl oz at a 14 day interval	Golf courses only. For both Dollar spot and Brown/Large patch.

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Brown/Large Patch (<i>Rhizoctonia solani</i>) and Dollar Spot (<i>Sclerotinia homoeocarpa</i>) (continued)	<i>fluazinam + tebuconazole</i> Traction	29 + 3	1.3 fl oz at a 14 day interval	Golf Courses only.
	<i>fludioxonil</i> Medallion Medallion SC Pendant	12	0.5-0.9 oz. at 14-28 day intervals 0.75- 2 fl oz at 7-14 day interval For Pendant: use 0.5 oz.	Use as preventative. Begin application when conditions are favorable for fungal infection; prior to disease symptom development.
	<i>fluindapyr + flutriafol</i> Kalida	7 + 3	0.25–0.4 fl oz at 14–21-day intervals for dollar spot 21–28-day intervals for large patch	For large patch apply 2 preventative treatments when soil temperatures at 2" depth reach 50°F for 5 consecutive days. Irrigation is recommended after treatment to incorporate product.
	<i>fluopyram + trifloxystrobin</i> Exteris	7+11	BP - 2.1-6.0 fl oz at 14-28 day intervals DS - 1.5-4.13 fl oz at 7-28 day intervals	B.P. lightly water-in application to move fungicide into thatch for increased effectiveness.
	<i>Flutolanil</i> ProStar 70WG Prostar WP Pedigree	7	Preventive: 2.2 oz at 21-28 day intervals Curative: 4.5 oz Repeat in 30 days. Preventive: 2.2-3.5 fl oz at 14-21 day intervals Curative: 4.4 fl oz	Use of wetting agent or aerification prior to treatment may improve disease control. Do not treat more than 10,000ft ² per acre of turfgrass. For BP, LP, Leaf and Sheath Leaf Spot.
	<i>flutolanil + thiophanate methyl</i> Systar	7 + 1	2-3 oz. at 14-30 day intervals	
	<i>flutriafol</i> Rayora	3	BP = 0.7-1.4 fl. oz. at 14-21 day intervals LP = 0.7-1.4 fl. oz. at 28 day intervals	For use on golf courses, in lawns and landscaped areas around public, industrial and commercial properties. Check the entire label for restrictions. For LP = Apply when soil temps at 2-inch depth are between 55°F and 60°F. Two applications are needed for best results.
	<i>fluoxastrobin</i> Disarm 480 SC Disarm G Fame SC Fungicide Fame G Fungicide	11	0.18-0.36 fl oz at 21 day intervals 2.3-4.6 lbs. at 14-21 day intervals 0.18-0.36 fl oz at 28 day intervals	Recommended for Brown Patch. For optimum results begin applications preventatively and continue as needed (21 day intervals). To limit the potential for development of fungicide resistance use a maximum of 2 sequential applications of a QoI fungicide followed by at least an equal number of applications of another mode of action fungicide. Preventive control of light to moderate Dollar Spot infections.
	<i>fluoxastrobin + chlorothalonil</i> Disarm C, Fame + C	11 + M5	3-5.9 oz. at 7-28 day intervals	
	<i>fluoxastrobin + myclobutanil</i> Disarm M	11 + 3	0.25-1.0 oz. at 14-28 day intervals	
	<i>fluoxastrobin + tebuconazole</i> Fame + T	11 + 3	0.45-0.9 oz. at 21-28 day intervals	
	<i>fluxapyroxad</i> Xzemplar	7	0.21-0.26 fl oz at 14-28 day intervals	For BP, LP and DS
	<i>fluxapyroxad + pyraclostrobin</i> Lexicon	7 + 11	0.34-0.47 fl oz at 14-28 days intervals	For BP, LP and DS
	<i>iprodione</i> 18 Plus, Armor Tech IP233 Chipco 26GT, Chipco 26019 Eclipse ETQ, Iprodione Pro 2SE Iprodione SPC, Ipro2SE, Raven	2	2-4 fl oz in 2-10 gals. water. Apply every 14-21 day. 1.5-2.0 oz at 14-21 day intervals 3-4 fl oz at 14-28 day intervals 1.5 oz = 9 Tbsp	Not for use in residential areas.
<i>iprodione + thiophanate methyl</i> 26/36, ArmorTech TMI 2020, Dovetail Lesco Twosome, TM + IP SPC	2 + 1	1-4 oz at 14-21 day intervals		
<i>iprodione + trifloxystrobin</i> Interface	2 + 11	4-6 oz at 14- 21 day intervals		

Supplemental 2(ee) label recommendations may be available for some listed pesticides. It is the end-user's responsibility to consult the manufacturer or websites like www.CDMS.net for additional recommendations

TURF DISEASE CONTROL (continued)				
DISEASE	FUNGICIDE	FRAC	RATES (OZS./1000 ft ²)	REMARKS
Brown/Large Patch (<i>Rhizoctonia solani</i>) and Dollar Spot (<i>Sclerotinia homoeocarpa</i>) (continued)	<i>isofetamid</i> Kabuto Fungicide SC	7	0.4-0.5 fl oz at 14 day interval	For dollar spot only.
	<i>isofetamid + tebuconazole</i> Tekken	7 + 3	3.0 fl oz	
	<i>mancozeb + copper hydroxide</i> Junction	M3 + M1	2-4 oz at 7-14 day intervals	
	<i>mandestrobin</i> Pinpoint	11	0.17-0.31 at 14-21 day intervals	For dollar spot only.
	<i>maneb</i> <i>maneb + zinc sulfate</i> <i>mancozeb</i> Dithane, Fore Protect T/O Tersan LSR, etc.	M3	Preventive: 3-4 oz in 3-5 gals water at 7-10 day intervals Curative: 6-8 oz in 3-5 gals water at 7-10 day intervals 3 oz = 10 Tbs.	
	<i>mefentrifluconazole</i> Maxtima	3	0.6 fl oz at 14 days on Brown Ring Patch 0.2-0.4 fl oz at 14-28 for DS	
	<i>mefentrifluconazol + pyraclostrobin</i> Navicon	3 + 11	0.7- 0.85 fl oz at 14-28 days for BP, LP and RSLs 0.7 fl oz for BRP	
	<i>metconazole</i> Tourney	3	D.S. - 0.18 to 0.37 oz at 14-21 day intervals B.P. - 0.28 to 0.37 oz at 14-21 day intervals	Apply when conditions are favorable for disease development. DO NOT use on bermudagrass.
	<i>mineral oil</i> Civitas	NC	8-32 oz	Use only in conjunction with Civitas Harmonizer.
	<i>myclobutanil</i> ArmorTech Myclo 20EW Eagle 20EW, Eagle 40WSP Lebanon Eagle G Myclobutanil 20EW T/O	3	Preventive: 0.6 oz at 10-28 day intervals (3 oz. pkt/5000 ft ²) Myclo 20EW 1.2-2.4 oz	DO NOT apply more than 7.2 oz./1000 ft ² per year.
	<i>PCNB</i> Engage Penstar Revere Terraclor Turfcide	14	Brown Patch warm season grasses - 16 oz in 10-15 gal water at 3-4 week intervals cool season grasses - 3-4 oz in 3-6 gal water at 7-10 day intervals Dollar Spot 7-10 oz in 5 to 10 gal water at 3 to 4 week intervals	
	<i>PCNB + tebuconazole</i> Oreon	14 + 3	6-8 fl oz at 14-28 day intervals	
<i>penthiopyrad</i> Velista	7	DS and BP - 0.3 to 0.5 oz 14-21 day intervals LP - 0.7 oz at 14-28 day intervals	Begin applications at early stages of disease development. Use high rate for high disease pressure or for curative situations. L.P. - Make two applications in the fall as a preventative. Apply in early spring if disease pressure is high.	
<i>phosphorous acid</i> Fosphite	33	2-3 fl oz		
<i>polyoxin D</i> Affirm Endorse	19	4 oz in a minimum of 2 gal at 14 day intervals 2.4 lbs/acre at 7-14 day intervals	Do not irrigate for 12 hrs. after application. Not recommended for Dollar Spot.	

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TURF DISEASE CONTROL (continued)				
DISEASE	FUNGICIDE	FRAC	RATES (OZS./1000 ft ²)	REMARKS
Brown/Large Patch (<i>Rhizoctonia solani</i>) and Dollar Spot (<i>Sclerotinia homoeocarpa</i>) (continued)	<i>propiconazole</i> ArmorTech PPZ143MC, Banner Maxx Banner GL, Kestrel, Monsoon turf ProPensity 1.3ME, Propiconazole SPC 14.3 Propicure 3.6F, Prophecy Savvi, Strider	3	D.S. - 1-2 fl oz in 2-5 gals water at 14-28 day intervals B.P. - 1-2 fl oz in 2-5 gals water at 14-21 day intervals Banner GL individual packets; one packet treats 11,000-22,000 sq ft	Do not mow or irrigate treated areas until grass is completely dry. Do not use on home lawns. Bermudagrass and St. Augustinegrass can be sensitive to Banner. DO NOT exceed 2 fl. oz. per 1000 ft ² every 30 days on any variety of Bermudagrass or St. Augustinegrass. As conditions become more severe, use the shorter application schedule and the higher rate.
	<i>prothioconazole</i> Densicor	3	0.196 fl oz at 14-21	
	<i>pydiflumetofen</i> Posterity	7	0.08 – 0.32 fl oz at 21-28 day interval	
	<i>pydiflumetofen</i> + <i>azoxystrobin</i> + <i>propiconazole</i> Posterity XT	7 + 11 + 3	1.5–3.0 fl oz at 14–28 day intervals	Use preventatively. For LP, make one or two application in the fall prior to infection or when conditions are favorable for infection.
	<i>pydiflumetofen</i> + <i>azoxystrobin</i> + <i>propiconazole</i> Posterity Forte	7 + 11 + 3	BP= 0.63–0.84 fl oz at 14–21 day intervals DS= 0.42–0.84 fl oz at 21–28 day intervals LP and ZP = 0.84 fl oz make one or two applications 14 or 21 days after first application, depending on disease pressure	
	<i>pyraclostrobin</i> Insignia Intrinsic	11	0.5-0.9 oz at 14-28 day intervals	For Dollar Spot, begin applications prior to or in the early stages of disease development. Use shorter specified application intervals and / or higher specified rate when prolonged favorable disease conditions exist.
	<i>pyraclostrobin</i> + <i>boscalid</i> Honor Honor Intrinsic	11 + 7	Brown Patch - 0.55-1.1 oz at 14 to 28 day intervals Dollar Spot - 0.88-1.1 oz at 14 to 21 day intervals	
	<i>pyraclostrobin</i> + <i>triticonazole</i> Pillar	11 + 3	3.0 lbs at 28 day intervals	DO NOT make more than 5 applications per year at the use rate of 3.0 lbs. per 1000 ft ² .
	<i>Reynoutria sachalinensis</i> Regalia PTO	P5	1-3 fl oz at 7-14 day intervals	Plant extract. Use in a minimum of 1.5 gal water /1000 ft ² . Begin applications preventatively.
<i>tebuconazole</i> ArmorTech 360 XL, Mirage Stressguard, Sipcam Clearscape Sipcam Clearscape ETO Torque	3	0.6 fl oz Mirage = 1.0-2.0 fl oz	For prevention, begin applications when conditions are favorable for disease development. DO NOT make two consecutive applications of Torque fungicide. Alternate with another fungicide with different mode of action. A second application may be made after 28 days. Mirage – B.P. and D.S. - 14-28 day intervals; L.P. - Begin fungicide applications preventatively in the fall and spring. Make 1-2 applications when conditions are favorable for disease development.	

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TURF DISEASE CONTROL (continued)				
DISEASE	FUNGICIDE	FRAC	RATES (OZS./1000 ft ²)	REMARKS
Brown/Large Patch (<i>Rhizoctonia solani</i>) and Dollar Spot (<i>Sclerotinia homoeocarpa</i>) (continued)	<i>thiophanate methyl</i> ArmorTech TM462 Cleary's 3336, 3336 DG Lite, 3336 F, 3336 G, 3336 GC, 3336 Plus, Cavalier Fungo, Systec, 1998, T-Bird 4.5L, T-Bird 85 WDG, T-Storm, Tee-Off 4.5F	1	Wettable Powder (50%) 2 oz/5 gals water Apply at 7-10 day intervals Dollar Spot fairways—1 oz/5 gals water Apply at 2-4 week intervals Flowable 46.2 % 1-2 fl oz at 10-14 day intervals TM462 2-5.3 fl oz	
	<i>thiram</i> Spotrete F	M3	Preventative: 3.75fl oz at 7-10 day intervals Curative: 7.5 fl oz at 3-5 day intervals	For best results use spray mix the same day it is prepared. Spray right after mowing or avoid mowing 12 hrs after application.
	<i>triadimefon</i> Bayleton 25WP Bayleton 50 Bayleton Flo Granular turf fungicide Systemic fungicide Fungicide VII	3	Preventative: 1 oz./2-4 gals. water Curative: 2 oz./2-4 gals water 1 oz. = 6 tbs. Preventative: 1.5 lbs. at 15-30 day intervals Curative: 3 lbs. at 15-30 day intervals Syst. Fung. 0.5-1 oz. at 15-30 day intervals Bayleton 50 and Flo 0.5-1.0 oz	Apply recommended rate at 15-30 day intervals. Protective activity can be longer than 30 days depending on environmental conditions. After the application of curative rate, subsequent applications should be applied on a preventative schedule and rate. For golf and sod. Not to be used on residential or commercial areas.
	<i>trifloxystrobin</i> Compass	11	Preventative: 0.1-0.2 oz. in 1-2 gals. of water per 1000 ft ² at 14 day intervals Curative: 0.15-0.25 oz. in 1-2 gals. of water per 1000 ft ²	Apply when conditions are favorable for disease development. Apply 0.2 oz. and repeat on a 21 day interval. During periods of Dollar Spot pressure, mix Compass with fungicides labeled for Dollar Spot.
	<i>trifloxystrobin + triadimefon</i> Armada, Tartan	11 + 3	1- 2 oz at 14 to 28 day intervals 0.6-1.2 oz at 14 to 28 day intervals	
	<i>triticonazole</i> Trinity Triton	3	D.S. - 0.5-1.0 fl oz at 14-28 day intervals B.P. - 0.5-2.0 fl oz at 14-28 day intervals	2 fl. oz. rates may be applied if needed in transition areas of the South under heavy disease pressure.
	<i>triticonazole + chlorothalonil</i> Reserve	3 + M5	B.P. - 3.2-5.4 oz at 14-28 day intervals D.S. - 3.2-4.5 oz at 14-28 day intervals	B.P. - Begin fungicide applications preventatively when conditions are favorable for disease development. D.S. - Begin fungicide applications preventatively.
	<i>vinclozolin</i> Curalan Touche	2	2 oz/5 gals water 2 oz = 8.5 Tbsp	Repeat application in 1-3 weeks while disease conditions prevail. Toxic to fish.
Fairy Ring	<i>azoxystrobin</i> Heritage 50WG Heritage TL Heritage G Strobe Strobe 50WG Strobe 2L	11	0.4 oz applied at 28 day intervals 2-4 lbs at 14-28 day intervals	
	<i>azoxystrobin + acibenzolar-s-methyl</i> Heritage Action	11 + P	0.2-0.4 oz. at 14-28 day intervals	
	<i>azoxystrobin + propiconazole</i> Headway	11 + 3	3 oz at 28 day intervals	

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TURF DISEASE CONTROL (continued)

DISEASE	FUNGICIDE	FRAC	RATES (OZS./1000 ft ²)	REMARKS
Fairy Ring (continued)	<i>azoxystrobin + difenconazole</i> Briskway	11 + 3	0.5- 0.725 fl oz at 14-28 day intervals	For preventive control apply in early spring prior to disease development. Apply in 2-4 gals. of water/1000 ft ² . Irrigate into thatch prior to the spray drying. For curative control apply as soon as possible after fairy ring symptoms appear. Apply in 2-4 gals. of water, irrigate lightly. Add recommended rate of a wetting agent to the final spray. Re-apply after 28 days.
	<i>azoxystrobin + tebuconazole</i> ZoxyT, Strobe T	11 + 3	0.7-1.5 oz. at 14-28 day intervals	
	<i>benzovindiflupyr + difenoconazole</i> Ascernity	7+3	1.0 fl oz at 14–28 day intervals	For preventative control of fairy ring, apply early in the spring prior to development of symptoms. Apply in 2–4 gallons water per 1000 sq ft. Irrigate into thatch prior to spray drying. Repeat the application within 14–28 days after first application. For curative control, apply as soon as possible after fairy ring symptoms develop. Apply in 2–4 gallons water per 1000 sq ft, irrigate lightly after application. Add the specified rate of a wetting agent to the final spray. Severely damaged or thin turf may require reseeding. Fairy ring symptoms may take 2 to 3 weeks to disappear following application. If the area is hydrophobic use wetting agents and irrigate prior to application(s) of Ascernity. Reapplication after 28 days may be required in some cases.
	<i>cyazofamid + azoxystrobin</i> Union	21 + 11	5.75 fl oz. at 28 days	
	<i>fluidapyr + flutriafol</i> Kalida	7+3	0.25–0.4 fl oz at 14–28-day intervals	Apply two preventative treatments when soil temperatures at 2” depth are consistently between 55°F and 60°F. Applications should be made using at least 3 gal. of water per 1000ft ² or treatments should be incorporated with irrigation after application.
	<i>hydrogen dioxide + hydrogen peroxide</i> Perpose Plus TerraCyte Pro Zerotol	NC	2 to 12 fl oz	Curative control may require 2-3 consecutive applications. Drench the soil to saturate root system. Use on 5-10 gals. per 1000 ft ² .
	<i>flutolanil</i> ProStar 70 WG Prostar 70 WP Pedigree	7	Preventive: 2.2 oz at 21-28 day intervals Curative: 4.5 oz at first sign of activity. Repeat in 30 days. Apply in 10 to 50 gals. water/1000 ft ² . Pedigree: Use 3.25 fl oz preventative 6.6 fl oz curative at 30 day intervals	Use of wetting agent or aeration prior to treatment may improve disease control. DO NOT treat more than 10,000 ft ² . per acre of turfgrass. Use 2-5 gal of water
	<i>flutolanil + thiophanate methyl</i> Systar	7 + 1	3-6.12 oz at 21-28 day intervals	
	<i>fluoxastrobin</i> Disarm 480 SC Disarm G Fame SC Fungicide Fame G Fungicide	11	0.36 fl oz at 28 day intervals 0.28-0.36 fl oz at 21-28 day intervals 2.3-4.6 lb at 14-28 day intervals	
	<i>fluoxastrobin + chlorothalonil</i> Disarm C Fame +C	11 + M5	4.5-5.9 oz at 21-28 day intervals	
	<i>fluoxastrobin + myclobutanil</i> Disarm M	11 + 3	0.5-1.0 oz at 21-28 day intervals	
	<i>fluoxastrobin + tebuconazole</i> Fame + T	11 + 3	0.45-0.9 oz. at 21-28 day intervals	

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TURF DISEASE CONTROL (continued)

DISEASE	FUNGICIDE	FRAC	RATES (OZS./1000 ft ²)	REMARKS
Fairy Ring (continued)	<i>fluxapyroxad + pyraclostrobin</i> Lexicon	7 + 11	0.47 fl oz at 28 days interval	Apply as soon as possible after fairy ring development. Fairy ring symptoms may take 2-3 weeks to disappear following application. Use 2-4 gallons of spray volume per 1000 ft ² and appropriate soil wetting agent at the time of application. Provide short irrigation cycle directly following treatment to move fungicide through thatch.
	<i>hydrogen dioxide</i> TerraCyte Pro, Zerotol	NC	2-12 fl. oz.	Curative control may require 2-3 consecutive applications. Drench the soil to saturate root system. Use 5-10 gal/ 1000 ft ² .
	<i>isofetamid + tebuconazole</i> Tekken	1 + 3	0.47 fl oz at 28 day intervals	
	<i>mandestrobin</i> Pinpoint	11	0.31 at 21 day intervals	Do not make more than 2 applications of Pinpoint without alternative to a non-resistant group for resistance management.
	<i>mefentrifluconazole</i> Maxtima	3	0.8 fl oz at 28 day intervals	Including a soil wetting agent prior to or at application can improve product movement downward.
	<i>mefentrifluconazol + pyraclostrobin</i> Navicon	3 + 11	0.85 fl oz at 28 day intervals	
	<i>metconazole</i> Tourney	3	0.37 oz.	Apply in 4 gals. water/1000 ft ² . Symptoms may take several weeks to disappear following application. Do not use on bermudagrass.
	<i>PCNB + tebuconazole</i> Oreon Permion	14	6-8 fl oz at 14-28 day intervals	Initiate applications preventatively in late winter/early spring when soil temperatures average 55-60°F over 5 days at a 2 in depth. Water-in treatment to the depth at which fairy ring is present.
	<i>prothioconazole</i> Densicor	3	0.196 fl oz at 14-21 day intervals	Water-in before the spray dries to move the fungicide into the thatch/soil where the fungus is active
	<i>pydiflumetofen</i> Posterity	7	0.16-0.32 fl oz at 21-28 day intervals	Apply when conditions become favorable for disease development. Add the recommended rate of a wetting agent. Labeled for golf courses only.
	<i>pydiflumetofen + azoxystrobin + propiconazole</i> Posterity XT	7 + 11 + 3	1.5-3.0 fl oz at 14-28 day intervals	Apply in 2-4 gal of water per 1000 sq ft. Add the recommended rate or wetting agent to the final spray and irrigate immediately after application with 1/8 to 1/4 inch of water.
	<i>pyraclostrobin</i> Insignia Insignia Intrinsic	11	0.5-0.9 oz at 14-28 day intervals	Use as preventative. Begin application when conditions are favorable for fungal infection; prior to disease symptom development.
	<i>pyraclostrobin + boscalid</i> Honor Honor Intrinsic	11 + 7	1.1 oz. at 28 day intervals	
	<i>polyoxin D</i> Affirm Endorse	19	4 oz. in a minimum of 2 gallons at 14 day intervals For Affirm make 2-3 applications of 1 oz. rate at 7 day intervals	Make 2-3 applications. Use a penetrating wetting agent. Water in immediately after treatment.
	<i>tebuconazole</i> Torque ArmorTech Teb360 XL Mirage Stressguard	3	0.6 fl oz 0.6-1.1 fl oz 1.0-2.0 fl oz	Preventative = Apply before fairy ring symptoms appear in the spring when soil temperatures consistently reach 55-60°F. Water into root zone within 4 hrs. Do not tank mix a wetting agent with preventative applications. Curative = Water into root zone within 4 hrs. Use a wetting agent as required for penetration of active hydrophobic soil conditions. A second application after 28 days may be required. Mirage = Apply in late winter/early spring preventatively when mean soil temperatures reach 55-60°F over 5 days a 2 inch depth.
<i>triadimefon</i> Bayleton 25WP Bayleton 50 Bayleton Flo	3	1-2 oz or fl oz	Apply recommended rate in 2-4 gallons of water in the spring prior to appearance of Fairy Ring symptoms. Before the spray dries, irrigate to wash the fungicide into the thatch/soil where the fungus is active. Repeat application 14 days later. If the 2 ounce rate is used on <i>Poa annua</i> putting greens, extend the intervals to 21 days. For golf and sod. Not to be used on residential or commercial areas.	

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TURF DISEASE CONTROL (continued)				
DISEASE	FUNGICIDE	FRAC	RATES (OZS./1000 ft ²)	REMARKS
Fusarium/ Microdochium	<i>azoxystrobin</i> Heritage 50WG, G, TL Strobe, Strobe 50WG, Strobe XL ArmorTech Zoxy	11	0.2-0.4 oz at 14-28 day intervals 4 lbs at 10-28 day intervals 7 lbs single application, For AT Zoxy= 0.37-077 oz at 14-28 day intervals	
	<i>azoxystrobin + acibenzolar-s-methyl</i> Heritage Action	11 + P	0.2-0.4 oz. at 14-28 day intervals	
	<i>azoxystrobin + chlorothalonil</i> Renown	11 + M5	2.5-4.5 fl oz at 14-21 day intervals	
	<i>azoxystrobin + difenconazole</i> Briskway	11 + 3	0.5-0.725 fl oz at 14-28 day intervals	
	<i>azoxystrobin + propiconazole</i> Headway	11 + 3	3-5.25 oz at 10-28 day intervals	
	<i>azoxystrobin + propiconazole</i> Contend B	11 + 3	4.5 oz	Apply in late fall on a single application
	<i>azoxystrobin + tebuconazole</i> ZoxyT Strobe T	11 + 3	0.75-1.5 oz. at 14-21 day intervals	
	<i>Bacillus subtilis</i> Strain GB03 Companion	44	4.0-6 fl oz at 14-28 day intervals	
	<i>benzovindiflupyr + difenoconazole</i> Ascernity	7 + 3	1.0fl oz at 14-day intervals	
	<i>benzovindiflupyr + difenoconazole</i> Contend A	7 + 3	For Microdochium pink snow mold only at 1.0fl oz	Apply in late fall on a single application
	<i>chlorothalonil</i> Chlorostar Chlorothalonil 500ZN, 720SFT, DF Daconil Action, Daconil G Daconil Ultrex, Daconil Weatherstik Daconil Zn, Docket, Echo DF Echo, Dyad ETQ, Evade Legend, Manicure, Manicure Ultra Pegasus DFX	M5	5-5.5 oz at 21-28 day intervals	Recent label changes by manufacturers restrict use to commercial turf only. Not to be used on home lawns.
	<i>chlorothalonil + propiconazole + fludioxonil</i> Insrata	M5 + 3 + 12	5-11 fl oz	Late fall
	<i>chlorothalonil + propiconazole + PCNB, FFIII Fungicide</i>	M5 + 3 + 14	3.3-6.6 lbs	Fall/late winter
<i>chlorothalonil + thiophanate methyl</i> Consyst Peregrin Spectro Tee-1-Up WDG	M5 + 1	Single application: 6-8 oz 3.72-5.76 at 7-14 day intervals		

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TURF DISEASE CONTROL (continued)

DISEASE	FUNGICIDE	FRAC	RATES (OZS./1000 ft ²)	REMARKS
Fusarium/ Microdochium (continued)	<i>chlorothalonil + thiophanate methyl + iprodione + tebuconazole</i> Enclave	M5 + 1 + 2 + 3	Blight - 3-4 fl oz at 14-21 day intervals Microdochium patch - 7-8 fl oz at 28 day intervals	For Blight make two applications at 14-28 day intervals beginning when disease first appears.
	<i>fenarimol</i> Rubigan AS 11.6	3	Patch - 8 fl oz apply 1 or 2 applications Blight - 2 fl oz at 30 day intervals	Use caution on bentgrass at high rate (See label). Irrigate with 0.5-1" of water following application.
	<i>fluazinam</i> Secure Rotator	29	0.5 fl oz at a 14 day interval	
	<i>fluazinam + acibenzolar-S-methyl</i> Secure Action	29 + P01	0.5 fl oz at a 14 day interval	Golf courses only.
	<i>fluazinam + tebuconazole</i> Traction	29 + 3	1.3 fl oz at a 14 day interval	Golf courses only.
	<i>fluopyram + trifloxystrobin</i> Exteris	7+11	4.135-12.6 fl oz	
	<i>fludioxonil</i> Medallion Medallion SC	12	Single application: 0.5 oz 1-2 fl oz at 7-14 day intervals	
	<i>fluoaxastrobin</i> Disarm 480 SC Disarm G Fame SC Fungicide Fame G Fungicide	11	0.18 - 0.36 fl oz at 14-28 day intervals 2.3 - 4.6 lbs. at 14 to 21 or 28 day intervals	Begin applications when conditions are favorable for disease development, prior to disease development.
	<i>fluoaxastrobin + chlorothalonil</i> Disarm C Fame + C	11 + M5	3 - 5.9 oz. at 28 day intervals	Begin applications when conditions are favorable for disease development, prior to disease development.
	<i>fluoaxastrobin + myclobutanil</i> Disarm M	11 + 3	0.25-1.0 oz. at 14-28 day intervals	Begin applications when conditions are favorable for disease development, prior to disease development.
	<i>fluoaxastrobin + tebuconazole</i> Fame + T	11 + 3	0.45-0.9 oz. at 21-28 day intervals	
	<i>flutolanil + thiophanate methyl</i> Systar	7 + 1	4-6.12 oz. one application	
	<i>hydrogen dioxide/hydrogen peroxide</i> TerraCyte Pro Zerotol PERpose Plus	NC	6-12 fl oz	Curative control may require 2-3 consecutive applications.
	<i>iprodione</i> 18 Plus, ArmorTech IP233, Chipco 26GT, Chipco 26019, Fungicide X, Eclipse ETQ, Iprodione Pro 2SE, Iprodione SPC, Ipro 2SE, Raven	2	Blight - 8 fl oz repeat applications at 28 day intervals 1.5-2.0 oz at 14-21 day intervals 3-4 fl oz at 14-28 day intervals	Use only preventative foliar applications when conditions first become favorable for disease development. Not for use in residential areas.
	<i>iprodione + thiophanate methyl</i> 26/36 ArmorTech TMI 2020 Dovetail Lesco Twosome TM + IP SPC	2 + 1	1-4 oz at 14-21 day intervals	
<i>iprodione + trifloxystrobin</i> Interface	2 + 11	5-7 oz at 14-21 day intervals		

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TURF DISEASE CONTROL (continued)				
DISEASE	FUNGICIDE	FRAC	RATES (OZS./1000 ft ²)	REMARKS
Fusarium/ Microdochium (continued)	<i>isofetamid + tebuconazole</i> Tekken	7 + 3	3.0 fl oz	
	<i>mancozeb + copper hydroxide</i> Junction	M3 + M	2-4 oz. at 7-14 day intervals	
	<i>mefentrifluconazol + pyraclostrobin</i> Navicon	3 + 11	0.7-0.85 fl oz at 14-28 day intervals	
	<i>metconazole</i> Tourney	3	0.37-0.44 oz.	Late fall.
	<i>myclobutanil</i> ArmorTech Myclo 20EW Eagle 20EW Lebanon Eagle G Myclobutanil 20EW T/O	3	0.6-2.4 oz Myclo 20EW 1.2-2.4 oz	1 application.
	<i>PCNB</i> Engage Penstar Revere Terraclor Turfcide	14	8 oz. in 10-15 gals. water	Caution on bentgrass for phytotoxicity.
	<i>PCNB + tebuconazole</i> Oreon Premion	14 + 3	6-8 fl oz at 28 day intervals	
	<i>penthiopyrad</i> Velista	7	0.7 oz only one application	Only one application allowed per season.
	<i>polyoxin D</i> Affirm Endorse	19	4 oz. in a minimum of 2 gallons at 14 day intervals. 2.4 lbs/acre at 7-14 day intervals	
	<i>propiconazole</i> ArmorTech PPZ143MC, Banner Maxx, Banner GL, Kestrel, Monsoon turf, Savvi, Strider, ProPensity 1.3ME, Prophesy, Propiconazole SPC 14.3, Propicure 3.6F	3	2-4 oz	
	<i>pydiflumetofen</i> Posterity	7	0.08-0.16 fl oz at 14-28 day interval	Golf courses only.
	<i>pydiflumetofen + azoxystrobin + propiconazole</i> Posterity XT	7 + 11 + 3	1.5-3.0 fl oz at 14-28 day intervals	Use preventatively.
	<i>pyraclostrobin</i> Insignia Insignia Intrinsic	11	0.5-0.9 oz at 14-28 day intervals	Use as preventative. Begin application when conditions are favorable for fungal infection; prior to disease symptom development.
	<i>pyraclostrobin + boscalid</i> Honor Honor Intrinsic	11 + 7	0.55-1.1 oz at 14-28 day intervals	
	<i>pyraclostrobin + tritconazole</i> Pillar	11 + 3	3.0 lbs at 28 day intervals	DO NOT make more than 5 applications per year at the use rate of 3.0 lbs. per 1000 ft ² .
<i>Reynoutria sachalinensis</i> Regalia PTO	P5	1-3 fl oz at 7-14 day intervals	Use in a minimum of 1.5 gal water /1000 ft ² . Begin applications preventatively.	

Supplemental 2(ee) label recommendations may be available for some listed pesticides. It is the end-user's responsibility to consult the manufacturer or websites like www.CDMS.net for additional recommendations

TURF DISEASE CONTROL (continued)				
DISEASE	FUNGICIDE	FRAC	RATES (OZS./1000 ft ²)	REMARKS
Fusarium/ Microdochium (continued)	<i>tebuconazole</i> ArmorTech TEB 360 XL Mirage Stressguard Sipcam Clearscape Sipcam Clearscape ETQ Torque	3	0.6 fl. oz. 1.0-2.0 fl oz	Apply in the fall, before anticipated turf dormancy. If turf breaks dormancy during winter months a second application may be made.
	<i>thiophanate methyl</i> ArmorTech TM462 Cavalier Cleary's 3336, 3336 DG Lite, 3336 F, 3336 G, 3336 GC, 3336 Plus, Fungo, Systec 1998, T-Bird 4.5L, T-Bird 85 WDG, T-Storm	1	Patch - 2 oz. Repeat at 5 to 14 day intervals Blight - 4-8 oz. Apply 2 applications at 10-14 day intervals	Water into root zone after application.
	<i>thiram</i> Spotrete F	M3	3 to 12 oz.	
	<i>triadimefon</i> Bayleton 25WP Bayleton 50 Bayleton Flo Fungicide VII Granular turf fungicide Systemic fungicide	3	2 oz. on 15 day intervals or 4 oz. on 30 day intervals Preventive: 1.5 lbs. at 15-30 day intervals Curative: 3 lbs. at 15-30 day intervals Syst. Fung. 0.5-1 oz. at 15-30 day intervals Bayleton 50 and Flo 1-2 oz.	Apply first in mid-June or 30 days prior to time blight normally becomes evident.
	<i>trifloxystrobin</i> Compass	11	Apply 0.2-0.25 oz	Apply when conditions are favorable for disease development, fall to early spring.
	<i>trifloxystrobin + triadimefon</i> Armada, Tartan	11 + 3	2 oz. at 14-28 day intervals 1.2 oz. at 14-28 day intervals	Fall to Early Spring
	<i>triticonazole</i> Trinity Triton	3	0.5-1.0 fl. oz. 0.15-0.3 fl. oz.	
	<i>triticonazole + chlorothalonil</i> Reserve	3 + M5	3.2-4.5 oz. at 10-14 day intervals	
	<i>vinclozolin</i> Curalan Touche	2	2-4 oz. Repeat at 7-21 day intervals	
	Gray Leaf Spot (<i>Pyricularia</i>)	<i>azoxystrobin</i> Heritage 50WG, TL, G, Strobe 50 WG, Strobe 2L, ArmorTech Zoxy	11	0.2-0.4 oz. at 14-28 day intervals 2-4 lbs. at 14-28 day intervals
<i>azoxystrobin + acibenzolar-s-methyl</i> Heritage Action		11 + P	0.2-0.4 oz. at 14-28 day intervals	
<i>azoxystrobin + chlorothalonil</i> Renown		11 + M5	2.5-4.5 fl. oz. at 10-14 day intervals	
<i>azoxystrobin + difenconazole</i> Briskway		11 + 3	0.5-0.725 fl. oz. at 14-21 day intervals	
<i>azoxystrobin + propiconazole</i> Headway		11 + 3	1.5-3 oz. at 14-28 day intervals	
<i>azoxystrobin + tebuconazole</i> ZoxyT Strobe T		11 + 3	0.75-1.5 oz. at 14-28 day intervals	

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TURF DISEASE CONTROL (continued)				
DISEASE	FUNGICIDE	FRAC	RATES (OZS./1000 ft ²)	REMARKS
Gray Leaf Spot (Pyricularia) (continued)	<i>Bacillus subtilis</i> Strain QST713 Rhapsody Sonnet, ArmorTech	44	0.5-2.5 fl. oz. at 7-10 day intervals	Apply in sufficient water to provide thorough coverage. 2 gals./1000 ft ² .
	<i>benzovindiflupyr + difenoconazole</i> Ascernity	7 + 3	1.0 fl. oz. at 14 day intervals	
	<i>chlorothalonil</i> Chlorostar Chlorothalonil 500ZN, 720SFT, DF Daconil Action, Daconil G Daconil Ultrex, Daconil Weatherstik Daconil Zn, Docket, Echo DF Echo, Dyad ETQ, Evade Legend, Manicure, Manicure Ultra Pegasus DFX	M5	Flowable Preventive: 3-6 fl. oz. at 7-10 day intervals Curative: 6-11 fl. oz. at 7-10 day intervals Wettable Powder (WDG90) Preventive: 1.75-3.5 oz. at 7-10 day intervals Curative: 3.5-6.5 oz. at 7-10 day intervals	Recent label changes by manufacturers restrict use to commercial turf only. Not to be used on home lawns.
	<i>chlorothalonil + boscalid</i> Encartis	M5 + 7	3-4 fl. oz. at 14 day intervals	Begin applications prior to or in early stages of disease development. Use a shorter application interval and/or higher rate when prolonged favorable disease conditions exist.
	<i>chlorothalonil + propiconazole</i> Concert Concert II	M5 + 3	3-5.5 fl. oz. at 7-14 day intervals 5.5-8.5 fl. oz. at 14-21 day intervals	
	<i>chlorothalonil + propiconazole + fludioxonil</i> Instrata Versagard	M5 + 3 + 12	2.75-6 fl. oz. at 10-14 day intervals	
	<i>chlorothalonil + thiophanate methyl</i> Consyst Peregrine Spectro Tee-1-up WDG TM + CTN SPC	M5 + 1	2-8 oz. at 7-14 day intervals 2 -5.76 oz.	
	<i>chlorothalonil + thiophanate methyl + iprodione + tebuconazole</i> Enclave	M5 + 1 + 2 + 3	3-4 fl. oz. at 14-21 day intervals 7-8 fl. oz. at 28 day intervals	Apply when disease first appears. Make additional applications as needed. Allow spray to dry before watering in.
	<i>cyazofamid + azoxystrobin</i> Union	21 + 11	2.9 to 5.75 fl oz at 14-28 days	
	<i>fluazinam + tebuconazole</i> Traction	29 + 3	1.3 fl oz at a 14 day interval	Golf courses only.
	<i>fluopyram + trifloxystrobin</i> Exteris	7+11	2.1-6.0 fl oz at 14-28 day intervals	
	<i>fluoxastrobin</i> Disarm 480 SC, G Fame SC Fungicide Fame G Fungicide	11	0.18-0.36 fl. oz. at 14-28 day intervals 2.3-4.6 lbs. at 14-21 or 28 day intervals	Begin applications when conditions are favorable for disease development, prior to disease development.
	<i>fluoxastrobin + chlorothalonil</i> Disarm C Fame + C	11 + M5	3-5.9 oz. at 14-28 day intervals	Begin applications when conditions are favorable for disease development, prior to disease development.

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TURF DISEASE CONTROL (continued)				
DISEASE	FUNGICIDE	FRAC	RATES (OZS./1000 ft ²)	REMARKS
Gray Leaf Spot (Pyricularia) (continued)	<i>fluoxastrobin + myclobutanil</i> Disarm M	11 + 3	0.25-1.0 oz. at 14 to 28 day intervals	Begin applications when conditions are favorable for disease development, prior to disease development.
	<i>fluoxastrobin + tebuconazole</i> Fame + T	11 + 3	0.45-0.9 oz. at 21-28 day intervals	
	<i>flutolanil + thiophanate methyl</i> Systar	7 + 1	2-3 oz. at 14 day intervals	
	<i>fludioxonil</i> Medallion Medallion SC	12	0.25-0.50 oz. at 14 day intervals 1-2 fl. oz. at 7-14 day interval	
	<i>flutriafol</i> Rayora	3	0.7-1.4 fl oz at 14-21 day intervals	For use on golf courses, in lawns and landscaped areas around public, industrial and commercial properties. Check the entire label for restrictions. Apply when soil temps at 2-inch depth are between 65°F and 70°F. Two applications are needed for best results.
	<i>fluxapyroxad + pyraclostrobin</i> Lexicon	7 + 11	0.34-0.47 fl. oz. at 14 to 28 days interval	
	<i>isofetamid + tebuconazole</i> Tekken	7 + 3	3.0 fl oz	
	<i>mefentrifluconazol + pyraclostrobin</i> Navicon	3 + 11	0.85 fl oz at 14-28 day intervals	
	<i>metconazole</i> Tourney	3	0.37 oz. at 14-21 day intervals	Apply when conditions are favorable for disease development. DO NOT use on Bermudagrass.
	mineral oil Civitas	NC	8 to 32 oz.	Use only in conjunction with Civitas Harmonizer.
	<i>myclobutanil</i> ArmorTech Myclo 20EW Eagle 20EW Eagle 40WSP Lebanon Eagle G Myclobutanil 20EW T/O	3	1.2- 2.4 oz.	1 application.
	<i>PCNB + tebuconazole</i> Oreon, Premion	14 + 3	6-8 fl oz at 14-28 day intervals	
	<i>polyoxin D</i> Affirm Endorse	19	4 oz. in a minimum of 2 gals at 14 day intervals 2.4 lbs./acre at 7-14 day intervals	Do not irrigate for 12 hrs. after application.
	<i>propiconazole</i> ArmorTech PPZ143MC, Banner Maxx Banner GL, Kestrel, Monsoon turf, Savvi Spectator, Strider, ProPensity 1.3ME Prophesy, Propiconazole SPC 14.3 Propicure 3.6F	3	2 fl. oz. at 14 day intervals Banner GL individual packets; one packet treats 11,000-22,000 ft ²	
	<i>prothioconazole</i> Densicor	3	0.196 fl oz at 14-21	
	<i>pydiflumetofen + azoxystrobin + propiconazole</i> Posterity XT	7 + 11 + 3	1.5-3.0 fl oz at 14-28 day intervals	Use preventatively.
<i>pyraclostrobin</i> Insignia Insignia Intrinsic	11	0.5-0.9 oz. at 14-28 day intervals	Use as preventative. Begin application when conditions are favorable for fungal infection; prior to disease symptom development.	

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TURF DISEASE CONTROL (continued)				
DISEASE	FUNGICIDE	FRAC	RATES (OZS./1000 ft ²)	REMARKS
Gray Leaf Spot (Pyricularia) (continued)	<i>pyraclostrobin + boscalid</i> Honor Honor Intrinsic	11 + 7	0.55-1.1 oz. at 14-28 day intervals	
	<i>pyraclostrobin + triticonazole</i> Pillar	11 + 3	3.0 lbs. at 28 day intervals	DO NOT make more than 5 applications per year at the use rate of 3.0 lbs. per 1000 ft ² .
	<i>Reynoutria sachalinensis</i> Regalia PTO	P5	1-3 fl. oz. at 7-14 day intervals	Use in a minimum of 1.5 gal water /1000 ft. ² Begin applications preventatively.
	<i>tebuconazole</i> ArmorTech TEB360 XL Mirage Stressguard Sipcam Clearscape ETQ Torque	3	0.6 fl. oz. 1.0-2.0 fl oz at 14-28 day intervals	Apply when conditions are favorable for disease development at 28 day intervals.
	<i>thiophanate methyl</i> ArmorTech TM462 Cavalier Cleary's 3336, 3336 DG Lite, 3336 F, 3336 G, 3336 GC, 3336 Plus Fungo, Systec 1998 T-Bird 4.5L, T-Bird 85 WDG T-Methyl SPC 4.5 T-Methyl SPC 50 T-Methyl G, T-Storm Tee-off 4.5F	1	Preventive: 1 oz/5 gals. water. Apply at 10-14 day intervals as needed Curative: Apply 2 oz/5 gals. water	
	<i>triadimefon</i> Bayleton 25WP Bayleton 50 Bayleton Flo Fungicide VI Granular turf fungicide Systemic fungicide	3	Preventive: 1.5 lbs. at 15-30 day intervals Curative: 3 lbs at 15-30 day intervals S Syst. Fung. 0.5-1 oz. at 15-30 day intervals	For golf and sod. Not to be used on residential or commercial areas.
	<i>trifloxystrobin</i> Compass	11	Apply 0.15-0.2 oz. in 1-2 gals. water at 14 day intervals or 0.25 oz. in 1-2 gals water at 21 day intervals.	Apply when conditions are favorable for disease development.
	<i>trifloxystrobin + triadimefon</i> Armada Tartan	11 + 3	1-2 oz. at 14-28 day intervals 0.6-1.2 oz. at 14-28 day intervals	
<i>triticonazole + chlorothalonil</i> Reserve	3 + M5	3.2-4.5 oz. at 14-28 day intervals		
Pythium Blight, Pythium Root Rots, Pythium Root Dysfunction	<i>azoxystrobin</i> Heritage 50WG, G, TL, ArmorTech Zoxy, Strobe 50 WG, Strobe 2L	11	0.4 oz on 10-14 day intervals 2-4 lbs at 10-14 day intervals	
	<i>azoxystrobin + acibenzolar-s-methyl</i> Heritage Action	11 + P	0.2-0.4 oz. at 10-14 day intervals	
	<i>azoxystrobin + propiconazole</i> Headway	11 + 3	3 oz at 10-14 day intervals	
	<i>azoxystrobin + tebuconazole</i> ZoxyT Strobe T	11 + 3	1.5 oz. at 10-14 day intervals	
	<i>bacillus subtilis</i> Strain GB03 Companion	44	4.0-6 fl oz 14-28 day intervals	

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TURF DISEASE CONTROL (continued)				
DISEASE	FUNGICIDE	FRAC	RATES (OZS./1000 ft ²)	REMARKS
Pythium Blight, Pythium Root Rots, Pythium Root Dysfunction (continued)	<i>chloroneb</i> Termec SP Terraneb	14	4 oz in 3-5 gals. water 4 oz = 12.5 tbs	
	<i>cyazofamid</i> Segway	21	0.45-0.9 fl oz at 14-21 day intervals	Apply as a preventative treatment at 0.45 to 0.9 fl. oz. in 2 to 4 gals. of water. On established turf apply as a preventative treatment when conditions are favorable for disease development. During periods of prolonged favorable conditions use 0.45 fl. oz. at 14 day intervals, using another fungicide having a different mode of action between applications of Segway. For newly seeded areas use 0.45 fl. oz. in 2-4 gals. water immediately after seeding.
	<i>cyazofamid + azoxystrobin</i> Union	21 + 11	2.9 to 5.75 fl os at 14-28 days	
	<i>etridiazole</i> Koban 30WP Terrazole	14	Established Turf: 2-4.5 oz in 5 gals water Newly Seeded Areas: 7-9 oz in 5 gals water 4 oz = 9.5 tbs Terrazole = 2-4.5 oz at 10-14 day intervals	Re-treat in 5-10 days depending on weather conditions. Can cause phytotoxicity on cool season turfgrass in hot weather at low carrier volumes.
	<i>fosetyl AL (Aluminum tris)</i> Alliette 80WP ArmorTech ALT 70 Autograph Chipco Signature Signature Stressguard XTRA Fosetyl-AI 80WDG Prodigy Signature	33	4-8 oz in 1-5 gal water per 1000 ft ² at 14-21 day intervals ALT 70 = 4.6-9.2 oz	Do not mow and/or water treated areas until foliage is completely dry. Begin preventive applications when conditions first favor disease and repeat as recommended 4-8 oz. at 14-21 day intervals.
	<i>flouxastrobin</i> Disarm 480 SC	11	0.18 to 0.36 fl oz at 7-14 day intervals	Begin applications when conditions are favorable for disease development, prior to disease development. When conditions are conducive for heavy Pythium infections use Disarm in combination with another product labeled for Pythium control.
	<i>flouxastobin + chlorothalonil</i> Disarm C	11 + M5	3-5.9 oz at 7-14 day intervals	
	<i>flouxastobin + myclobutanil</i> Disarm M	11 + 3	0.25-1.0 oz at 14 day intervals	Use preventatively.
	<i>fluxapyroxad + pyraclostrobin</i> Lexicon	7 + 11	0.34-0.47 fl oz at 14 to 28 days interval	Use preventatively.
	<i>hydrogen dioxide/hydrogen peroxide</i> TerraCyte Pro Zerotol Perpose Plus	NC	6-12 oz at 7 day intervals	Curative control may require 2-3 consecutive applications. Use on 3-5 gals. per 1000 ft ² . Perpose Plus Preventative: Dilute 1 fl oz in 1 gal. of water. Apply diluted 1-10 gal of solution to 1000ft ² . Curative: Dilute 5-10 fl oz in 5 gals of water. Apply 5-10 gallons of dilute solution to 1000ft ² .
	<i>mefenoxam</i> Mefenoxam 2AQ Subdue Subdue G Subdue Maxx	4	Established Turf: Maxx: 0.5-1 fl oz in 1-5 gals of water Newly Seeded Areas: Maxx: 0.5-1 fl oz in 1-5 gals of water	Re-treat at 10-14 day intervals depending on disease pressure and weather conditions. Apply immediately after seeding and irrigate with ¼ to ½" water. Repeat application at 7-14 day intervals if conditions remain favorable for disease.
	<i>mefentrifluconazol + pyraclostrobin</i> Navicon	3 + 11	0.85 fl oz at 14-28 day intervals	

TURF DISEASE CONTROL (continued)				
DISEASE	FUNGICIDE	FRAC	RATES (OZS./1000 ft ²)	REMARKS
Pythium Blight, Pythium Root Rots, Pythium Root Dysfunction (continued)	<i>mancozeb + copper hydroxide</i> Junction	M3 + M1	2-4 oz at 5 day intervals	
	<i>phosphorous acid</i> Alude Fiata-Stressguard Fosphite Jetphiter Reliant	33	5-10 fl oz at 7-14 day intervals Fosphite – 2-3 fl oz Jetphiter – 3.5 to 5 fl oz	Apply recommended quantity of product in 1 to 5 gals. of water. Do not irrigate or mow treated areas until spray has completely dried.
	<i>phosphate</i> Appear, Appear II, Magellan, Phostrol, Vital	33	4.1 fl. oz. at 14 day intervals 8.2 fl. oz. at 21 day intervals Appear = P. blight 3-4 fl oz at 7-14 day intervals. P. root and crown/damping 6-8 fl oz at 7-14 day intervals.	Do not irrigate or mow treated areas until spray has completely dried. Begin preventative applications when conditions first favor disease.
	<i>propamocarb</i> Banol Lesco Banol Proplant	28	Preventative: 1.25-2 fl oz in 2-5 gals water Curative: 3-4 fl oz in 2-5 gals water	Established Turf: Apply as a preventative treatment during periods of high temperature and humidity. Overseeded Areas: Apply after germination. Repeat at 7-21 day intervals if favorable disease conditions persist.
	<i>pydiflumetofen + azoxystrobin + propiconazole</i> Posterity XT	7+ 11 + 3	3.0 fl oz at 14-day intervals For Pythium root dysfunction 3 fl oz at 21-28 day intervals	Use preventatively. For Pythium root dysfunction apply when mean daily soil temps are between 55°F and 70°F. Irrigate with 0.1 and 0.2 inch of water within 24 hrs after application.
	<i>propamocarb + fluopicolide</i> Stellar	28 + 43	1.2 fl oz	The maximum Stellar application rate is 2.4 oz. per year per 1000 ft ² . Overseeded Turf: Apply after seed germination to prevent Pythium damping off. Established Turf: Apply when conditions are favorable for disease development.
	<i>pyraclostrobin</i> Insignia Insignia Intrinsic	11	0.5-0.9 oz at 14-28 day intervals	Use as preventative. Begin application when conditions are favorable for fungal infection; prior to disease symptom development.
	<i>pyraclostrobin + boscalid</i> Honor Honor Intrinsic	11 + 7	Dysfunction = 1.1 oz at 14-28 day intervals Blight = 1.1 oz at 10-14 day intervals	
	<i>pyraclostrobin + triticonazole</i> Pillar	11 + 3	3.0 lbs at 28 day intervals	Do not make more than 5 applications per year at the use rate of 3.0 lbs. per 1000 ft ² .
	<i>Reynoutria sachalinensis</i> Regalia PTO	P5	1-3 fl oz at 7-14 day intervals	Use in a minimum of 1.5 gal water /1000 ft. ² Begin applications preventatively.
Spring Dead Spot (<i>Ophiosphaerella korrae</i> , <i>Ophiosphaerella narmari</i> , <i>Ophiosphaerella herpotricha</i>)	<i>azoxystrobin</i> Heritage 50 WG, TL ArmorTech Zoxy, Strobe 50WG, Strobe 2L	11	0.4 oz at 28 day intervals 0.38-0.77 at 28 days intervals	Make 1 or 2 applications in fall or when conditions are favorable for disease development.
	<i>azoxystrobin + acibenzolar-S-Meth</i> Heritage Action	11 + P	0.4 oz at 28 day intervals 0.2-0.4 oz. at 14-28 day intervals	
	<i>azoxystrobin + propiconazole</i> Headway	11 + 3	3 oz at 14 to 28 day intervals	
	<i>azoxystrobin + tebuconazole</i> Zoxy T Strobe T	11 + 3	1.5 oz. at 14-28 day intervals	
	<i>benzovindiflupyr + difenoconazole</i> Ascernity	7 + 3	1.0 fl oz at 14-28 day intervals	Apply 1 or 2 applications approximately one month prior to bermudagrass dormancy. 1/8" to 1/4" of irrigation directly after application is recommended. Reapply 14 to 28 days later.
	<i>chlorothalonil + thiophanate methyl + iprodione + tebuconazole</i> Enclave	M5 + 1 + 2 + 3	3-4 fl oz at 14-21 day intervals 7-8 fl oz at 28 day intervals	Apply when disease first appears. Make additional applications as needed. Allow spray to dry before watering in.

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TURF DISEASE CONTROL (continued)				
DISEASE	FUNGICIDE	FRAC	RATES (OZS./1000 ft ²)	REMARKS
Spring Dead Spot (<i>Ophiosphaerella korrae</i> , <i>Ophiosphaerella narmari</i> , <i>Ophiosphaerella herpotricha</i>) (continued)	<i>fluoaxastrobin</i> Disarm 480 SC, G Fame SC Fungicide Fame G Fungicide	11	0.36 fl oz at 28 day intervals 2.3 to 4.6 lbs at 14-28 day intervals	Begin applications before disease is present and continue applications while conditions for disease development are present. Make two applications 28 days apart during spring or fall.
	<i>fluoaxastrobin</i> + <i>chlorothalonil</i> Disarm C Fame + C	11 + M5	5.9 oz at 14-28 day intervals	
	<i>fluoaxastrobin</i> + <i>myclobutanil</i> Disarm M	11 + 3	0.5-1.0 oz at 14-28 day intervals	Apply 1 or 2 applications approximately one month prior to Bermudagrass dormancy. ¼-½ inch of irrigation after application is recommended. Re-apply 14-28 days later.
	<i>fluoaxastrobin</i> + <i>tebuconazole</i> Fame + T	11 + 3	0.45-0.9 oz. at 21-28 day intervals	
	<i>flutriafol</i> Rayora	3	0.7–1.4 fl oz at 21–28 day intervals	For use on golf courses, in lawns and landscaped areas around public, industrial and commercial properties. Check the entire label for restrictions.
	<i>fluxapyroxad</i> + <i>pyraclostrobin</i> Lexicon	7 + 11	0.47 fl oz	Section 2(ee)
	<i>isofetamid</i> Kabuto	7	Program A: 3.2 fl oz preventative. Single application. Program B: First application 0.5 – 2 fl oz; second application 0.5 – 1.2 fl oz at 14 – 28 day intervals	When soil temperatures have declined to 65°F. Use 2 gal of water and water in immediately with 1/8 inch of irrigation. DO NOT apply more than 3.2 fl oz per year.
	<i>isofetamid</i> + <i>tebuconazole</i> Tekken	7 + 3	3.0 fl oz	
	<i>mefentrifluconazol</i> Maxtima	3	0.6-0.8 fl oz at 28 day intervals	
	<i>mefentrifluconazol</i> + <i>pyraclostrobin</i> Navicon	3 + 11	0.85 fl oz at 28 day intervals	
	<i>myclobutanil</i> ArmorTech Myclo 20EW Eagle 20EW Eagle WSP 40 Golden Eagle	3	2.4 fl oz at 28 day intervals	Make 1 to 2 applications in the fall before turfgrass dormancy. Make a second application one month later.
	<i>PCNB</i> + <i>tebuconazole</i> Oreon Premion	14 + 3	6 – 8 fl oz at 28 day intervals	
	<i>penithiopyrad</i> Velista	7	0.5 – 0.7 fl oz at 28 day intervals	Make two applications on a 28 day interval prior to winter dormancy.

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TURF DISEASE CONTROL (continued)

DISEASE	FUNGICIDE	FRAC	RATES (OZS./1000 ft ²)	REMARKS
Spring Dead Spot (<i>Ophiosphaerella korrae</i> , <i>Ophiosphaerella narmari</i> , <i>Ophiosphaerella</i> <i>herpotricha</i>) (continued)	<i>propiconazole</i> ArmorTech PPZ143MC Banner Maxx Banner GL Kestrel Monsoon turf ProPensity 1.3ME Prophesy Propiconazole SPC 14.3 Savvi Spectator Strider Propicure 3.6F	3	4 oz at 30 day intervals Banner GL individual packets; one packet treats 11,000-22,000 ft ²	Make 1-3 applications. For one application apply in September or October. For multiple applications, begin sprays in August.
	<i>prothioconazole</i> Densicor	3	0.196 fl oz at 14-21	Lightly water-in to move the fungicide into crown area and root zone
	<i>pydiflumetofen</i> Posterity	7	0.16-0.32 fl oz	Make two applications on a 28 day intervals. Golf courses only.
	<i>pydiflumetofen</i> + <i>azoxystrobin</i> + <i>propiconazole</i> Posterity XT	7 + 11 + 3	3.0 fl oz at 28-day intervals	Make two applications in the fall one month prior to bermudagrass dormancy and second application 28 days later. Apply 1/8 to 1/4 of irrigation directly after applications.
	<i>pydiflumetofen</i> + <i>azoxystrobin</i> + <i>propiconazole</i> Posterity Forte	7 + 11 + 3	0.63-0.84 fl oz make one or two applications 14 or 28 days after first application, depending on disease pressure. With the final application approx. one month before bermudagrass dormancy	1/4 to 1/2 inch of irrigation directly after application is recommended.
	<i>tebuconazole</i> ArmorTech TEB360 XL Mirage Stressguard Sipcam Clearscape Sipcam Clearscape ETQ Torque	3	0.6 fl oz 2.0 fl oz at 28 day intervals	For prevention, apply in fall when soil temperatures reach 65°F and again in spring under similar temperature conditions or after dormancy break. Begin applications preventatively when soil temperatures drop below 70°F at 2 inch soil depth in the fall.
	<i>thiophanate methyl</i> ArmorTech TM462 Cavalier Cleary's 3336, 3336 DG Lite, 3336 F, 3336 G, 3336 GC Fungo Systec 1998 T-Methyl SPC 4.5 T-Methyl SPC 50 T-Methyl G	1	4-6 oz at 14 day intervals TM 462 3.5-5.3 oz	
Take all patch/root rot (<i>Gaeumannomyces</i> <i>graminis</i>)	<i>azoxystrobin</i> Heritage 50 WG, G, ArmorTech Zoxy, Strobe 50WG, Strobe 2L	11	0.4 oz at 28 day intervals 2-4 lbs at 28 day intervals 0.38-0.77 oz at 28 day intervals	Make 1 or 2 applications in fall or when conditions are favorable for disease development.
Bermuda Decline	<i>Azoxystrobin</i> + <i>Acibenzolar-S-Methyl</i> Heritage Action	11 + P	0.2-0.4 oz. at 28 day intervals	
(see fungicide labels for specific <i>Gaeumannomyces</i> species/disease)	<i>azoxystrobin</i> + <i>difencconazole</i> Briskway	11 + 3	0.5-0.725 fl oz at 28 day intervals	Begin applications prior to disease development. Make two applications in the spring and two applications 28 days apart in the fall.

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TURF DISEASE CONTROL (continued)

DISEASE	FUNGICIDE	FRAC	RATES (OZS./1000 ft ²)	REMARKS
Take all patch/root rot (<i>Gaeumannomyces graminis</i>) Bermuda Decline (see fungicide labels for specific <i>Gaeumannomyces</i> species/disease (continued))	<i>azoxystrobin + propiconazole</i> Headway	11 + 3	3 oz at 14-28 day intervals	
	<i>azoxystrobin + tebuconazole</i> ZoxyT	11 + 3	1.5 oz. at 14-28 day intervals	
	<i>cyazofamid + azoxystrobin</i> Union	21 + 11	5.75 fl oz at 28 days	
	<i>fluidapyr + flutriafol</i> Kalida	7 + 3	0.25-0.4 fl. oz. at 14-21 day intervals	
	<i>fluoxastrobin</i> Disarm 480 SC, G Fame SC Fungicide Fame G Fungicide	11	0.36 fl oz at 14 day intervals 0.36 fl oz at 28 day intervals 2.3-4.6 oz at 14-28 days intervals	Apply 1-2 applications approximately one month before turfgrass dormancy. ¼ to ½" of direct irrigation is recommended after application.
	<i>fluoxastrobin + chlorothalonil</i> Disarm C Fame + C	11 + M5	5.9 oz at 28 day intervals	
	<i>fluoxastrobin + myclobutanil</i> Disarm M	11 + 3	0.5-1.0 at 28 day intervals	
	<i>fluoxastrobin + tebuconazole</i> Fame + T	11 + 3	0.45-0.9 oz. at 21-28 day intervals	
	<i>flupyroxad + pyraclostrobin</i> Lexicon	7 + 11	0.47 fl oz at 28 days interval	Use preventively. Begin applications when conditions are favorable for fungal infection, prior to disease symptom development. Make 1 or 2 applications in the fall, 28 days apart, followed by 1 or 2 applications in the spring, 28 days apart. DO Not exceed 3 applications in a 12 month period.
	<i>hydrogen dioxide</i> TerraCyte Pro Zerotol	NC	6-12 oz at 7 day intervals	Curative control may require 2-3 consecutive applications. Use on 3-5 gals. per 1000 ft ² .
	<i>isofetamid + tebuconazole</i> Tekken	7 + 3	3.0 fl oz	
	<i>mandestrobin</i> Pinpoint	11	0.31 at 14-21 day intervals	For Take All Patch
	<i>mefentrifluconazole</i> Maxtima	3	0.8 fl oz at 28 day intervals	
	<i>mefentrifluconazol + pyraclostrobin</i> Navicon	3 + 11	0.7-0.85 fl oz at 14-28 day intervals	
	<i>myclobutanil</i> Eagle 40WSP	3	1.2-2.4 oz at 28 day intervals (spring and fall)	
	<i>Phosphorous acid (potassium phosphite)</i> Appear II	33	6.0 fl oz at 14-day intervals	Apply as a preventative treatment prior to the expression of disease symptoms.
	<i>propiconazole</i> ArmorTech PPZ143MC, Banner GL, Banner Maxx, Kestrel, Monsoon turf, ProPensy 1.3ME, Prophecy, Propiconazole SPC 14.3, Savvi, Spectator, Strider, Propicure 3.6F	3	4 oz at 30 day intervals. Banner GL individual packets; one packet treats 11,000-22,000 ft ²	Make 1-3 applications. For one application apply in September or October. For multiple applications, begin sprays in August.

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TURF DISEASE CONTROL (continued)				
DISEASE	FUNGICIDE	FRAC	RATES (OZS./1000 ft ²)	REMARKS
Take all patch/root rot (<i>Gaeumannomyces graminis</i>) Bermuda Decline (see fungicide labels for specific <i>Gaeumannomyces</i> species/disease (continued))	<i>prothioconazole</i> Densicor	3	0.196 fl oz at 14-21 day intervals	Lightly water-in to move the fungicide into crown area and root zone
	<i>PCNB + tebuconazole</i> Oreon Premion	14 + 3	6-8 fl oz at 14-28 day intervals	
	<i>pydiflumetofen + azoxystrobin + propiconazole</i> Posterity XT	7 + 11 + 3	1.5–3.0 fl oz at 14-28 day intervals	Irrigate immediately after application with 1/8 to 1/4 inch of water.
	<i>pyraclostrobin</i> Insignia Insignia Intrinsic	11	0.5-0.9 oz at 14-28 day intervals	Use as preventative. Begin application when conditions are favorable for fungal infection; prior to disease symptom development.
	<i>pyraclostrobin + boscalid</i> Honor Honor Intrinsic	11 + 7	Bermudagrass decline 1.1 oz Take All Patch = 1.1 oz at 28 day intervals	Bermudagrass decline = Make one application in the spring following green-up and a second application in the fall when air temperatures remain above 80°F and humidity is 75% or higher. Apply in 4 gallons of water per 1000ft ² .
	<i>pyraclostrobin + triticonazole</i> Pillar	11 + 3	3.0 lbs. at 28 day intervals	Do not make more than 5 applications per year at the use rate of 3.0 lbs. per 1000 ft ² .
	<i>Reynoutria sachalinensis</i> Regalia PTO	P5	1-3 fl. oz. at 7-14 day intervals	Use in a minimum of 1.5 gal water /1000 ft ² . Begin applications preventatively.
	<i>tebuconazole</i> ArmorTech TEB360 XL Mirage Stressguard Sipcam Clearscape Sipcam Clearscape ETQ Torque	3	0.6 fl oz Mirage: 2 fl oz at 28 day intervals	Bermudagrass Decline: Irrigate the area with sufficient water to move fungicide into crown and root zone of the turf. Take All Patch: For prevention, apply in fall when soil temperatures reach 65° F and again in spring under similar temperature conditions. Apply preventatively in the fall and spring.
	<i>trifloxystrobin + triadimefon</i> Tartan	11 + 3	For take all patch – 1.5-2 oz at 28 day intervals	
	<i>thiophanate methyl</i> Cavalier Cleary's 3336, 3336 DG Lite, 3336 F, 3336 G, 3336 GC, 3336 Plus, Fungo Systec 1998 T-Methyl SPC 4.5 T-Methyl SPC 50 T-Methyl G	1	4-6 oz at 14 day intervals	
	<i>triadimefon</i> Bayleton 25WP Bayleton 50 Bayleton Flo Granular turf fungicide Systemic fungicide	3	Preventative = 2 oz. start sprays 2-4 weeks before symptoms reappear. Re-apply every 3-4 weeks Curative = 4 oz make 1-2 sprays on a 2-3 week intervals followed by the preventative rate at 3-4 week intervals	Apply 2 to 4 gallons of spray volume per 1,000 ft ² . Thoroughly water after each application. 50 and Flo; Immediately after the fungicide is applied, the area should be thoroughly irrigated to move the active ingredient down into the crown and root zone of the turf. The amount of water is dependent on the depth of the root zone. The objective is to water the fungicide into the crown and root zone. For golf and sod only. Not to be used on residential or commercial areas.
	<i>triticonazole</i> Trinity Triton	3	0.5-1.0 fl oz at 14-28 day intervals	Make 1 or 2 fall applications (September and October) and 1 or 2 spring applications (April and May) depending on local conditions.
	<i>triticonazole + chlorothalonil</i> Reserve	3 + M5	Take All Patch = 3.2 to 4.5 oz at 14 to 28 day intervals	Begin fungicide applications preventatively in the fall and repeat in the spring. Make 1 to 2 applications depending on local disease conditions, repeat under active disease conditions as needed.

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