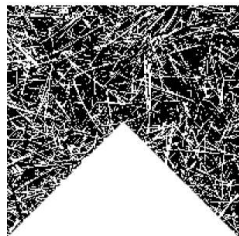


# IPM



## Homeowner Lawns

Disease and Nematode Control Recommendations for 2011

### DISEASE AND NEMATODE CONTROL

Home Lawns: Disease and Nematode Control			
Disease	Fungicide and Formulation	Amount to Use per 1000 sq. ft. or as Specified	Comments
<b>Algae</b>			
	mancozeb		Apply as needed to affected areas. <i>For professional use only.</i>
	DITHANE 75DF	6 oz.	
	DITHANE DF	9.6 fl.oz.	
	FORE 80W	6 oz.	
	MANCOZEB DG	6 oz.	
	MANZATE 200 DF	6 oz.	
	PROTECT T/O	6 oz.	
<b>Brown Patch</b>			
	azoxystrobin		Apply every 14 to 28 days when conditions favor disease. Use highest rate at shortest interval when disease is present. <b>DO NOT</b> apply more than six times or a total of 3.7 ounces of Heritage 50DG per year. Does not control dollar spot.
	HERITAGE 50WDG	0.2-0.4 oz.	
	mancozeb		Apply at 7- to 14-day intervals in 3 to 5 gallons of water per 1000 square feet when disease threatens. Use high rate at shortest spray interval when disease is severe. Tank-mix with Eagle under severe disease conditions. <i>For professional use only.</i>
	DITHANE 75DF	4 oz.	
	DITHANE DF	6.4 fl.oz.	
	FORE 80W	4 oz.	
	MANCOZEB DG	4 oz.	
	PROTECT T/O	4 oz.	
	myclobutanil		Apply at 14- to 21-day intervals in 2 to 3 gallons of water per 1000 square feet.
	EAGLE 20EW	1-2 fl.oz.	
	IMMUNOX LAWN DISEASE CONTROL	4 lb.	Apply when disease is likely to occur or when symptoms are first seen. Apply at 14-day intervals. Use shorter treatment interval when disease is severe. <b>Make no more than three consecutive applications of this fungicide.</b> Lightly irrigate after treatment. See label for spreader settings.
	F-STOP	4 lb.	
	FUNG-AWAY SYSTEMIC LAWN FUNGICIDE	4 lb.	
	IMMUNOX LAWN DISEASE CONTROL, READY-TO-SPRAY CONCENTRATE	0.3 qt.	
	PCNB		Covers 1000 square feet. Lightly water after application. Repeat every 3 to 4 weeks. Apply in 10 to 15 gallons of water to cover 1000 square feet every 3 to 4 weeks.
	DEFEND 10G	7.5 lb.	
	DEFEND 75WP	1 lb.	
	TURFCIDE 400	24 fl.oz.	Apply Turfcide 10G with drop or cyclone-type spreader as needed. Refer to label for spreader settings.
	TURFCIDE 10G	7.5 lb.	
	TERRACLOR GRANULAR FUNGICIDE	8 lb.	Apply at first sign of disease. Repeat applications at 3- to 4-week intervals as needed. See label for spreader settings.

Disease	Fungicide and Formulation	Amount to Use per 1000 sq. ft. or as Specified	Comments
<b>Brown Patch (cont.)</b>			
	propiconazole BANNER MAXX SYSTEMIC FUNGICIDE	2-4 fl.oz. 20 fl.oz.	Apply in 2 to 5 gallons of water per 1000 square feet before symptoms are present. Repeat at 14- to 28-day intervals. <b>DO NOT</b> exceed 4 fluid ounces per 1000 square feet in a 30-day period for bermudagrass.
	FUNGUS CONTROL FOR LAWNS GRANULAR	2 lb. 3.5 lb.	PREVENTIVE CONTROL: Apply before disease is likely to appear and repeat application every 21 to 30 days as needed. Water immediately after application. CURATIVE CONTROL: Apply every 14 days until control is achieved and then start preventive program. See label for spreader settings.
	FUNGUS CONTROL FOR LAWNS CONCENTRATE	6.4 fl.oz. 6.4-12.8 fl.oz.	PREVENTIVE CONTROL: Apply using applicator bottle before disease is likely to appear and repeat applications every 30 days as needed. Container treats 5000 square feet of lawn. CURATIVE CONTROL: Apply every 14 days until control is achieved and then start preventive program. Hose-on container treats 2500 to 5000 square feet of lawn.
	FUNGINOL RTS CONCENTRATE	20 fl.oz.	Apply when conditions favor disease and before symptoms appear. Repeat applications at 14-day intervals as needed. Hose-on container treats 1600 square feet of lawn.
	INFUSE RTS CONCENTRATE	20 fl.oz.	
	LIQUID SYSTEMIC FUNGICIDE RTS	20 fl.oz.	
	LIQUID SYSTEMIC FUNGICIDE	20 fl.oz.	Apply in 4 gallons of water per 1000 square feet of lawn at 10-day intervals when conditions favor disease and repeat as needed as long as disease development is likely to occur.
	thiophanate-methyl 3336 50W 3336F FUNGO 50 50W FUNGO FLO	2 oz. (4-8 T.) 1-2 fl.oz. 1-2 oz. 1-2 fl.oz.	Apply at 5- to 14-day intervals in 5 gallons of water per 1000 square feet. Shorten interval and increase rate when disease appears. Use on St. Augustinegrass, bermudagrass, and cool-season turfgrasses <b>ONLY</b> . Continuous use may result in control failure due to resistance.
	HALT 50W	2 oz.	Apply at first sign of disease and repeat applications every 7 to 14 days. Apply in 3 to 5 gallons of water per 1000 square feet of lawn.
	INFUSE LAWN AND LANDSCAPE GRANULES	1.5-3 lb.	PREVENTIVE CONTROL: Apply at lowest rate before disease is likely to appear and repeat applications every 14 days as long as conditions favor disease development. Water immediately after application. CURATIVE CONTROL: Apply at highest rate every 14 days until control is achieved and then start preventive program See label for spreader settings. Container treats up to 5000 square feet of lawn.
	LAWN FUNGUS CONTROL	1.35-2.7 lb.	Apply when disease is likely to appear and repeat as needed at 14- to 21-day intervals. Use at shorter interval at higher rate when disease is present. See package for spreader settings.
	triadimefon BAYLETON T/O	1-2 oz. (6-12 T.)	Apply at 15- to 30-day intervals in 2 to 4 gallons of water per 1000 square feet. Use higher rate and shorter interval when disease appears.
	SYSTEMIC FUNGICIDE FOR TURF AND ORNAMENTALS	28 fl. oz. 56 fl. oz.	PREVENTIVE CONTROL: Apply when conditions favor disease but before symptoms are seen. Repeat as needed at 30-day intervals. Apply in 3 to 5 gallons of water per 1000 square feet. CURATIVE CONTROL: Apply after symptoms are seen. Follow preventive program if additional applications are needed. Apply in 3 to 5 gallons of water per 1000 square feet.
	trifloxystrobin COMPASS 50W	0.15-0.25 oz.	Apply at 21-day intervals and repeat as needed.

Disease	Fungicide and Formulation	Amount to Use per 1000 sq. ft. or as Specified	Comments
<b>Dollarspot</b>			
	myclobutanil EAGLE 20EW	1-2 fl.oz.	Apply at 14- to 21-day intervals in 2 to 3 gallons of spray volume per 1000 square feet. Refer to label for usage restrictions.
	IMMUNOX LAWN DISEASE CONTROL F-STOP	4 lb.	Apply when disease is likely to occur or when symptoms are first seen. Repeat at 14- to 28-day intervals as needed. Use higher rate at shorter treatment interval when disease is severe. Make no more than three consecutive applications of this fungicide and then switch to a fungicide (i.e. PCNB) with a different mode of action.
	FUNG-AWAY SYSTEMIC LAWN FUNGICIDE	4 lb. 3-8 lb.	Lightly irrigate after treatment. See label for spreader settings.
	IMMUNOX LAWN DISEASE CONTROL, READY-TO-SPRAY CONCENTRATE	0.3 qt.	Apply when disease is likely to occur or when symptoms are first seen. One quart bottle will treat 3000 square feet of lawn. Reapply at 14-day intervals as needed. <b>Do not make more than three consecutive application of this fungicide.</b> See label for additional application instructions.
	PCNB DEFEND 75W	7-10 oz.	Apply in enough water (10 to 15 gallons) to cover 1000 square feet. Repeat 3 to 4 weeks later if conditions still favor disease.
	TURFCIDE 2E TURFCIDE 400 TURFCIDE 10G	1-1.5 qt. 10.5-15 fl.oz. 50-75 lb.	Apply Turfcide 10G with drop or cyclone-type spreader as needed. Refer to label for spreader settings.
	TERRACLOR GRANULAR FUNGICIDE	8 lb.	Apply at first sign of disease. Repeat applications at 3- to 4-week intervals as needed. See label for spreader settings.
	propiconazole BANNER MAXX SYSTEMIC FUNGICIDE	0.5-2 fl.oz. 12 fl.oz.	Apply at 7- to 28-day intervals in 2 to 5 gallons of water per 1000 square feet when conditions favor the disease. <b>DO NOT</b> exceed 2 fluid ounces per 1000 square feet on bermudagrass and St. Augustinegrass.
	FUNGUS CONTROL FOR LAWNS GRANULAR	2 lb. 3.5 lb.	PREVENTIVE CONTROL: Apply before disease is likely to appear and repeat application every 21 to 30 days as needed. Water immediately after application. CURATIVE CONTROL: Apply every 14 days until control is achieved and then start preventive program. See label for spreader settings.
	FUNGUS CONTROL FOR LAWNS CONCENTRATE	6.4 fl.oz. 6.4-12.8 fl.oz.	PREVENTIVE CONTROL: Apply using applicator bottle before disease is likely to appear and repeat applications every 30 days as needed. Container treats 5000 square feet of lawn. CURATIVE CONTROL: Apply every 14 days until control is achieved and then start preventive program. Hose-on container treats 2500 to 5000 square feet of lawn.
	FUNGINOL RTS CONCENTRATE	10 fl.oz.	Apply when conditions favor disease and before symptoms appear. Repeat applications at 14-day intervals as needed. Hose-on container treats 3000 square feet of lawn.
	INFUSE RTS CONCENTRATE	10 fl.oz.	
	LIQUID SYSTEMIC FUNGICIDE RTS	10 fl.oz.	
	LIQUID SYSTEMIC FUNGICIDE	12 fl.oz.	Apply in 4 gallons of water per 1000 square feet of lawn at 10-day intervals when conditions favor disease and repeat as needed as long as disease development is likely to occur.

Disease	Fungicide and Formulation	Amount to Use per 1000 sq. ft. or as Specified	Comments
<b>Dollarspot (cont.)</b>			
	thiophanate-methyl 3336 50W	1-2 oz. (4-8 T.)	Apply at 5- to 14-day intervals in 5 gallons of water per 1000 square feet. Shorten interval and increase rate when disease appears. Use on St. Augustinegrass, bermudagrass, and cool-season turfgrasses <b>ONLY</b> . Continuous use may result in control failures due to resistance.
	3336F	1-2 fl.oz.	
	FUNGO 50 50W	1-2 oz.	
	FUNGO FLO	1-2 fl.oz.	
	HALT 50W	2 oz.	Apply at first sign of disease and repeat applications every 7 to 14 days. Apply in 3 to 5 gallons of water per 1000 square feet of lawn.
	INFUSE LAWN AND LANDSCAPE GRANULES	1.5-3 lb.	PREVENTIVE CONTROL: Apply at lowest rate before disease is likely to appear and repeat applications every 14 days as long as conditions favor disease development. Water immediately after application. CURATIVE CONTROL: Apply at highest rate every 14 days until control is achieved and then start preventive program See label for spreader settings. Container treats up to 5000 square feet of lawn.
	LAWN FUNGUS CONTROL	1.35-2.7 lb.	Apply when disease is likely to appear and repeat as needed at 14- to 21-day intervals. Use at shorter interval at higher rate when disease is present.
	triadimefon BAYLETON T/O	1-2 oz. (6-12 T.)	Apply at 30-day intervals in 2 to 4 gallons of water per 1000 square feet. When disease is present, use full rate; then reduce rate for subsequent applications.
	SYSTEMIC FUNGICIDE FOR TURF AND ORNAMENTALS	28 fl. oz.  56 fl. oz.	PREVENTIVE CONTROL: Apply when conditions favor disease but before symptoms are seen. Repeat as needed at 30 day intervals. Apply in 3 to 5 gallons of water per 1000 square feet. CURATIVE CONTROL: Apply after symptoms are seen. Follow preventative program if additional applications are needed. Apply in 3 to 5 gallons of water per 1000 square feet.
<b>Fairy Ring</b>			
	flutolanil PROSTAR 50W	6 oz.	Apply in 10 to 50 gallons of water per 1000 square feet. If needed, make a second application at least 30 days later. Core aerify before applying. Irrigate before and after applying. See label for additional instructions.
<b>Gray Leaf Spot</b>			
	azoxystrobin HERITAGE 50WDG	0.2-0.4 oz.	Apply every 14 to 28 days when conditions favor disease. Use highest rate at shortest interval when disease is present. <b>DO NOT</b> apply more than six times or a total of 3.7 ounces of Heritage 50DG per year. Does not control dollarspot.
	myclobutanil EAGLE 20EW	1-2 fl.oz.	Apply in 2 to 3 gallons of spray solution per 1000 square feet of turf every 14 to 21 days as long as favorable conditions for disease development persist. See label for use and rotation guidelines.

Disease	Fungicide and Formulation	Amount to Use per 1000 sq. ft. or as Specified	Comments
<b>Gray Leaf Spot (cont.)</b>			
	propiconazole BANNER MAXX	1-2 fl.oz.	Apply when conditions favor disease and repeat at 14-day intervals.
	EAGLE F-STOP GRANULES	8 lb./2700 sq.ft.	
	FUNGUS CONTROL FOR LAWNS CONCENTRATE	6.4 fl.oz. 6.4-12.8 fl.oz.	PREVENTIVE CONTROL: Apply using applicator bottle before disease is likely to appear and repeat applications every 30 days as needed. Container treats 5000 square feet of lawn. CURATIVE CONTROL: Apply every 14 days until control is achieved and then start preventive program. Hose-on container treats 2500 to 5000 square feet of lawn.
	FUNGINOL RTS CONCENTRATE	10 fl.oz.	Apply when conditions favor disease and before symptoms appear. Repeat applications at 14-day intervals as needed. Hose-on container treats 3200 square feet of lawn.
	INFUSE RTS CONCENTRATE	10 fl.oz.	
	LIQUID SYSTEMIC FUNGICIDE RTS	10 fl.oz.	
	LIQUID SYSTEMIC FUNGICIDE	12 fl.oz.	Apply in 4 gallons of water per 1000 square feet of lawn at 10-day intervals when conditions favor disease and repeat as needed as long as disease development is likely to occur.
	thiophanate-methyl INFUSE LAWN AND LANDSCAPE GRANULES	1.5-3 lb.	Apply at lowest rate before disease is likely to appear and repeat applications every 14 days as long as conditions favor disease development. Water immediately after application. Container treats up to 5000 square feet of lawn.
	trifloxystrobin COMPASS 50W	0.15-0.2 oz.	Apply when conditions favor disease every 14 days. Repeat as needed.
<b>Helminthosporium Leafspot and Crown Rot (Melting-Out)</b>			
	azoxystrobin HERITAGE 50WDG	0.2-0.4 oz.	Apply every 14 to 28 days when conditions favor disease. Use highest rate at shortest interval when disease is present. <b>DO NOT</b> apply more than six times or a total of 3.7 ounces of Heritage 50DG per year.
	mancozeb DITHANE 75DF	4 oz.	Apply in 3 to 5 gallons per 1000 square feet at 7- to 14-day intervals when disease threatens. Use higher rate and/or shorter spray interval when disease is severe. <b>For professional use only.</b>
	DITHANE DF	6.4 fl.oz.	
	FORE 80W	4 oz.	
	MANCOZEB DG	4 oz.	
	PROTECT T/O	4 oz.	
	myclobutanil EAGLE 20EW	1-2 fl.oz.	Apply 2 to 3 gallons of spray solution per 1000 square feet of turf every 14 to 21 days when conditions permit.
	IMMUNOX LAWN DISEASE CONTROL	4 lb.	Apply when disease is likely to occur or when symptoms are first seen. Apply at 14-day intervals. <b>Make no more than three consecutive applications of this fungicide.</b> Lightly irrigate after treatment. See label for spreader settings.
	F-STOP	4 lb.	
	FUNG-AWAY SYSTEMIC LAWN FUNGICIDE	3-8 lb.	
	IMMUNOX LAWN DISEASE CONTROL, READY-TO-SPRAY CONCENTRATE	0.3 qt.	Apply when disease is likely to occur or when symptoms are first seen. One quart bottle will treat 3000 square feet of lawn. Reapply at 14-day intervals as needed. <b>Do not make more than three consecutive application of this fungicide.</b> See label for additional application instructions.
	propiconazole BANNER MAXX	2 fl.oz.	Use under light to moderate pressure. Reapply every 14 days as needed.
	trifloxystrobin COMPASS 50W	0.1-0.15 oz.	Apply when conditions favor disease. Repeat as needed every 14 days.

Disease	Fungicide and Formulation	Amount to Use per 1000 sq. ft. or as Specified	Comments
<b>Nematodes</b>			
	chitin and other organic nitrogen sources CLANDOSAN 618 25G	45-140 lb. (1-3 T./A)	Irrigate immediately after treatment with all products with 0.5 inch of water to avoid foliar burn. Clandosan contains 10.4 percent urea.
<b>Pythium Blight</b>			
	azoxystrobin HERITAGE 50DG	0.4 oz.	Apply every 14 to 28 days when conditions favor disease. Use highest rate at shortest interval when disease is present. <b>DO NOT</b> apply more than six times or a total of 3.7 ounces of Heritage 50DG per year.
	chloroneb TEREMEC SP 65W FUNGICIDE V	4 oz.	Apply at 5- to 10-day intervals when conditions favor disease.
	etridiazole KOBAN 1.3G	3 lb. 8 lb.	ESTABLISHED LAWN: Apply with spreader at 5- to 10-day intervals. NEWLY SEEDED LAWN: Apply over newly seeded areas and lightly topdress. Repeat 5 to 7 days later with recommended fungicide.
	KOBAN 30W	2-4.5 oz. 7-9 oz.	ESTABLISHED LAWN: Apply at 5- to 10-day intervals in 5 gallons of water per 1000 square feet when conditions favor disease. NEWLY SEEDED LAWN: Apply in 5 to 10 gallons of water per 1000 square feet immediately after seeding and irrigate promptly. Repeat application 5 to 7 days later with recommended fungicide to maintain control. For overseeded cool-season grasses.
	TERRAZOLE 35W	4-8 oz.	ESTABLISHED LAWN: Apply in 5 gallons of water per 1000 square feet. Begin at first sign of disease and repeat every 5 to 10 days when conditions favor disease.
	fosetyl-Al ALLETTE T/O	4-8 oz.	Apply when conditions favor disease at 14- to 21-day intervals in 1 to 5 gallons of water per 1000 square feet. Use higher rate and/or shorter interval when disease is present. <b>DO NOT</b> mow or water until foliage dries.
	mefenoxam* SUBDUE GR	5-25 oz.	ESTABLISHED LAWN: Apply uniformly as a preventive treatment. Repeat at 10- to 14-day intervals when conditions favor disease. Irrigate immediately with 0.25 to 0.5 inch of water. Will not control cool-season Pythium blight. NEWLY SEEDED LAWN: Apply uniformly after seeding and irrigate with 0.25 to 0.5 inch of water. If needed, repeat at 7- to 14-day intervals. Will not control cool-season Pythium blight.
	SUBDUE MAXX	0.5-1 fl.oz.	ESTABLISHED LAWN: Apply at 10- to 21-day intervals in 3 to 5 gallons of water per 1000 square feet when conditions favor disease. Use higher rate and/or shorter interval when disease is severe. Tank-mix with Fore/Dithane M- 45 at 8 ounces per 1000 square feet to improve performance. See label for mixing directions. NEWLY SEEDED LAWN: Apply in 5 to 10 gallons of water per 1000 square feet immediately after seeding; then irrigate with 0.25 to 0.5 inch of water. Repeat at 7- to 14-day intervals if conditions favor disease. Tank-mix with Fore/Dithane M-45 at 8 ounces per 1000 square feet to improve performance.

\*CAUTION: To reduce risk of resistance, make no more than three applications of mefenoxam per year and alternate mefenoxam with another systemic fungicide.

Disease	Fungicide and Formulation	Amount to Use per 1000 sq. ft. or as Specified	Comments
<b>Pythium Blight (cont.)</b>			
	propamocarb BANOL 66.5L	1.33-4 fl.oz.	ESTABLISHED AND OVERSEEDED LAWN: Apply in 2 to 5 gallons of water per 1000 square feet as a preventive treatment when conditions favor disease. Repeat applications at 7- to 21-day intervals according to conditions.
<b>Rust</b>			
	mancozeb DITHANE 75DF DITHANE DF FORE 80W MANCOZEB DG PROTECT T/O	4 oz. 6.4 fl.oz. 4 oz. 4 oz. 4 oz.	Apply in 3 to 5 gallons of water per 1000 square feet at 7- to 14-day intervals when disease threatens. Use higher rate and/or shorter interval when disease is severe. <i>For professional use only.</i>
	myclobutanil IMMUNOX LAWN DISEASE CONTROL F-STOP FUNG-AWAY SYSTEMIC LAWN FUNGICIDE	4 lb. 4 lb. 3-8 lb.	Apply when disease is likely to occur or when symptoms are first seen. Apply at 14- to 28-day intervals. Use shorter treatment interval when disease is severe. <i>Make no more than three consecutive applications of this fungicide.</i> Lightly irrigate after treatment. See label for spreader settings.
	EAGLE 20EW	1-2 fl.oz.	Apply in 2 to 3 gallons of spray solution per 1000 square feet of turf every 14 to 21 days as long as favorable conditions for disease development persist. See label for use and rotation guidelines.
	IMMUNOX LAWN DISEASE CONTROL, READY-TO-SPRAY CONCENTRATE	0.3 qt.	Apply when disease is likely to occur or when symptoms are first seen. One quart bottle will treat 3000 square feet of lawn. Reapply at 14-day intervals as needed. <i>Do not make more than three consecutive application of this fungicide.</i> See label for additional application instructions.
	propiconazole BANNER MAXX SYSTEMIC FUNGICIDE	1-2 fl.oz. 12 fl.oz.	Apply in 2 to 5 gallons of water per 1000 square feet before symptoms appear. Repeat at 14- to 28-day intervals as needed.
	FUNGUS CONTROL FOR LAWNS CONCENTRATE	6.4 fl.oz. 6.4-12.8 fl.oz.	PREVENTIVE CONTROL: Apply using applicator bottle before disease is likely to appear and repeat applications every 30 days as needed. Container treats 5000 square feet of lawn. CURATIVE CONTROL: Apply every 14 days until control is achieved and then start preventive program. Hose-on container treats 2500 to 5000 square feet of lawn.
	FUNGINOL RTS CONCENTRATE	10 fl.oz.	Apply when conditions favor disease and before symptoms appear. Repeat applications at 14-day intervals as needed. Hose-on container treats 3200 square feet of lawn.
	INFUSE RTS CONCENTRATE	10 fl.oz.	
	LIQUID SYSTEMIC FUNGICIDE RTS	10 fl.oz.	
	LIQUID SYSTEMIC FUNGICIDE	12 fl.oz.	Apply in 4 gallons of water per 1000 square feet of lawn at 10-day intervals when conditions favor disease and repeat as needed as long as disease development is likely to occur.

Disease	Fungicide and Formulation	Amount to Use per 1000 sq. ft. or as Specified	Comments
<b>Rust (cont.)</b>			
	triadimefon BAYLETON T/O	1-2 oz.	Apply at 15- to 30-day intervals in 2 to 4 gallons of water per 1000 square feet when conditions favor disease. Use high rate once disease appears and shorten spray interval; then return to original spray program. Mow and water after residue dries.
	FUNGUS CONTROL FOR LAWNS	1.5 lb. 3 lb.	PREVENTIVE CONTROL: Apply when disease is likely to appear and repeat applications at 15- to 30-day intervals. Apply 0.25 inch of water immediately after application. CURATIVE CONTROL: Apply higher rate at shorter interval to control existing disease outbreak. Apply 0.25 inch of water immediately after application. See label for spreader setting.
	SYSTEMIC FUNGICIDE FOR TURF AND ORNAMENTALS	28 fl. oz. 56 fl. oz.	PREVENTIVE CONTROL: Apply when conditions favor disease but before symptoms are seen. Repeat as needed at 30 day intervals. Apply in 3 to 5 gallons of water per 1000 square feet. CURATIVE CONTROL: Apply after symptoms are seen. Follow preventive program if additional applications are needed. Apply in 3 to 5 gallons of water per 1000 square feet.
	trifloxystrobin COMPASS 50W	0.1-0.15 oz.	Apply when symptoms first appear and repeat every 14 days as needed.
<b>Spring Dead Spot (SDS)</b>			
	azoxystrobin HERITAGE 50DG	0.4 oz.	Make one to two applications late in the fall or when conditions favor disease. Apply every 28 days. <b>DO NOT</b> apply more than six times or a total of 3.7 ounces of Heritage 50DG per year.
	fenarimol RUBIGAN AS	4-6 fl.oz.	Make one application of 4 fluid ounces per 1000 square feet in September or in October or use 6 fluid ounces in November. Use enough water for uniform coverage. Will reduce annual bluegrass stands at all SDS control rates. May interfere with establishment of overseeded ryegrass.
	myclobutanil EAGLE 20EW	1.2 fl.oz.	Make two to three monthly applications beginning in August. Irrigate immediately after application.
	IMMUNOX LAWN DISEASE CONTROL, READY-TO-SPRAY CONCENTRATE	0.3 qt.	Apply first in early September and repeat application 14 and 28 days later. One quart bottle will treat 3000 square feet of lawn. Target areas of lawn that were previously damaged by SDS for treatment. See label for additional application instructions.
	propiconazole BANNER MAXX	4 fl.oz.	Make three monthly applications beginning in August.
	FUNGUS CONTROL FOR LAWNS GRANULAR	2 lb.	PREVENTIVE CONTROL: Apply before disease is likely to appear and repeat application every 21 to 30 days as needed. Water immediately after application.
	FUNGUS CONTROL FOR LAWNS CONCENTRATE	6.4 fl.oz.	PREVENTIVE CONTROL: Apply using applicator bottle before disease is likely to appear and repeat applications every 30 days as needed. Container treats 5000 square feet of lawn.
	FUNGINOL RTS CONCENTRATE	10 fl.oz.	Make three monthly applications beginning in August. Water immediately after application. Hose-on container treats 1600 square feet of lawn.
	INFUSE RTS CONCENTRATE	10 fl.oz.	
	LIQUID SYSTEMIC FUNGICIDE RTS	10 fl.oz.	
	LIQUID SYSTEMIC FUNGICIDE	36 fl.oz.	Apply in 4 gallons of water per 1000 square feet of lawn. Make three monthly applications beginning in August. Water immediately after application.

Disease	Fungicide and Formulation	Amount to Use per 1000 sq. ft. or as Specified	Comments
<b>Take-All Patch, Take-All Root Rot, Bermudagrass Decline</b>			
	azoxystrobin HERITAGE 50DG	0.4 oz.	Make two applications at 28-day intervals in the spring and fall. Also controls Zoysia Patch caused by <i>Gaeumannomyces incurstans</i> . <b>DO NOT</b> apply more than six times or a total of 3.7 ounces of Heritage 50DG per year.
	myclobutanil IMMUNOX LAWN DISEASE CONTROL F-STOP	8 lb. 8 lb.	Apply once or twice in September and/or October, and apply twice in spring as lawn greens up. Apply at 28-day intervals. <b>Make no more than three consecutive applications of this fungicide.</b> Irrigate with 0.5 to 1 inch of water per 1,000 square feet after treatment. See label for spreader settings.
	propiconazole BANNER MAXX	2-4 fl.oz.	Make one to two applications in early fall and, if needed, again in early spring. Apply at 30-day intervals.
	FUNGINOL RTS CONCENTRATE	20 fl.oz.	Apply when conditions favor disease and before symptoms appear. Repeat applications at 14-day intervals as needed. Hose-on container treats 1600 square feet of lawn.
	INFUSE RTS CONCENTRATE	20 fl.oz.	
	LIQUID SYSTEMIC FUNGICIDE RTS	20 fl.oz.	
	thiophanate-methyl INFUSE LAWN AND LANDSCAPE GRANULES	1.5-3 lb.	PREVENTIVE CONTROL: Apply at lowest rate before disease appears and repeat applications every 14 days as needed. Water immediately after application.
	triadimefon BAYLETON T/O	2 oz.	PREVENTIVE CONTROL: Begin applications 2 to 4 weeks before symptoms normally appear. Repeat at 21- to 28-day intervals. Thoroughly water immediately after each application.
	BAYLETON T/O	4 oz.	CURATIVE CONTROL: Make one to two applications on a 14- to 21-day schedule; then apply the 2-ounce rate on 21- to 28-day intervals. Thoroughly water after each application. Use to control diseases of St. Augustinegrass, zoysiagrass, bermudagrass, and centipedegrass that are incited by <i>Gaeumannomyces graminis</i> var. <i>graminis</i> .

Homeowner Lawns: Disease and Nematode Control prepared by Austin K. Hagan, *Extension Plant Pathologist*, Alumni Professor, Entomology and Plant Pathology, Auburn University.

## 2011 IPM-1292

**For more information**, contact your county Extension office. Visit <http://www.aces.edu/counties> or look in your telephone directory under your county's name to find contact information.

Use pesticides **only** according to the directions on the label. Follow all directions, precautions, and restrictions that are listed. Do not use pesticides on plants that are not listed on the label.

The pesticide rates in this publication are recommended **only** if they are registered with the Environmental Protection Agency or the Alabama Department of Agriculture and Industries. If a registration is changed or canceled, the rate listed here is no longer recommended. Before you apply **any** pesticide, check with your county Extension agent for the latest information.

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