

TIMELY INFORMATION

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OFF-THE SHELF FUNGICIDES SOLD IN GARDEN CENTERS AND OTHER RETAIL OUTLETS FOR DISEASE CONTROL ON HOME LAWNS

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In recent years, home lawn registrations of chlorothalonil and later triadimefon have been cancelled. Chlorothalonil and triadimefon has been replaced with the sterol biosynthesis fungicides propiconazole, myclobutanil, as well as benzimidazole fungicide thiophanate-methyl for the control of most common diseases of home lawns. All three fungicides generally give very effective control of the target diseases and several are now packaged for easy application (Ready-to-Spray packaging) to small areas without the need for a back pack or boom type sprayer system. In addition, all foliar-applied formulations of propiconazole, myclobutanil, and thiophanate-methyl are also labeled for the control diseases on annuals, perennials, and woody plants. Since the sterol fungicides propiconazole and myclobutanil have the same mode of action, there is a risk with the repeated use with one or both fungicides that control failures due to the appearance of fungicide tolerant or resistant strains, particularly the causal fungus of dollar spot, may occur. The mode of action of thiophanate-methyl is identical to that of benomyl (Benlate). Resistance, particularly in the causal fungus of dollar spot, is likely to occur with repeated applications of thiophanate-methyl. Control failures due to resistance can be avoided by making no more than three applications of any of the above type of fungicides per growing season. Highest risk for a control failure due to resistance is with the disease Dollar Spot.

This is not an exhaustive listing of all of the fungicides in the retail market that are sold for use on Alabama home lawns. However, many of these products are marketed by well-known distributors at retail outlets like Home Depot, Lowes, and Wal-Mart, as well as numerous local garden centers and nurseries. They are also sold by web-based suppliers of landscape and lawn products as well. Products listed in this publication are distributed by Bayer Advanced Products (<http://www.bayeradvanced.com/>), Bonide (<http://www.bonideproducts.com/>), ferti-loam (<http://www.fertilome.com/>), Green Light (<http://www.greenlightco.com/>), Monterey Lawn and Garden (<http://www.montereylawngarden.com/>), Scotts (http://www.scotts.com/smg/brand/scotts/scottsBrandLanding.jsp?icid=hp1_bb_s), Spectracide (<http://www.spectracide.com/>), and Southern AG (<http://www.southernag.com/>). If another product is available in your area that is not listed in this publication, please send me a label.

Fungicide	Disease	Rate/1000ft ²	Comments
Myclobutanil			
F-Stop Granular [ferti-loam Products] Fung-Away Systemic Lawn Fungicide [Green Light] Immunox Lawn Disease Control Granules [Spectracide]	Anthracnose	4 lb.	Apply when conditions favor disease and before symptoms are seen. Repeat as needed at 14- to 21-day intervals. . Irrigate after application with 3 to 4 gallons of water per 1000 square feet of turf. See label for spreader settings.
	Brown Patch Gray Leaf Spot	4 lb.	Apply when conditions favor disease and before symptoms are seen. Repeat as needed at 14-day intervals. Irrigate after application with 3 to 4 gallons of water per 1000 square feet of turf. See label for spreader settings.
	Dollar Spot	4 lb.	Apply when conditions favor disease and before symptoms are seen. Make no more than 3 consecutive applications before rotating to another fungicide with a different mode of action. Reapply at 14 to 28-day intervals. Irrigate after application with 3 to 4 gallons of water per 1000 square feet of turf. See label for spreader settings.
	Rust	4 lb.	Apply when conditions favor disease and before symptoms are seen. Reapply at 14 to 28-day intervals. Irrigate after application with 3 to 4 gallons of water per 1000 square feet of turf. See label for spreader settings.
Immunox Lawn Disease Control, Ready-To- Spray (RTS) Concentrate [Spectracide]	Brown Patch Dollar Spot Helminthosporium Leaf Spot Melting Out Rust	0.3 qt.	Apply when disease is likely to occur or when symptoms are first seen. One quart bottle will treat 3,000 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 information.
	Spring Dead Spot	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			
Liquid Systemic Fungicide containing Banner RTS	Brown Patch	20 fl. oz.	Apply when conditions favor disease and before symptoms are seen. Repeat as needed at 14-day intervals.

(Ready-to-Spray) [ferti-loam Products]	Dollar Spot	10 fl. oz.	Apply when conditions favor disease and before symptoms are seen. Repeat as needed at 28-day intervals.
Infuse Systemic Disease Control Lawn and Landscape Ready-to-Spray (RTS) [Bonide]	Gray Leaf Spot Helminthosporium Leaf Spot Melting Out	10 fl. oz.	Apply when conditions favor disease and before symptoms are seen. Repeat as needed to control disease at 14-day intervals.
	Rust	10 fl. oz.	Apply when conditions favor disease and before symptoms are seen. Repeat as needed to control disease at 21 to 28-day intervals.
	Take-All Patch	20 fl. oz.	Apply twice at 30 day intervals.
	Brown Patch	20 fl. oz.	Apply when conditions favor disease and before symptoms are seen. Repeat as needed at 10-day intervals.
Liquid Systemic Fungicide [ferti-loam Products]			
Infuse Systemic Disease Control [Bonide]	Dollar Spot Rust Anthracnose	12 fl. oz.	Apply when conditions favor disease and before symptoms are seen. Repeat as needed at 14-day intervals.
	Spring Dead Spot	36 fl. oz.	Make three applications beginning in August at 30 day intervals. Irrigate after application with 3 to 4 gallons of water per 1000 square feet of turf.
Fungi-Fighter [Monterey]	Take All Patch	20 fl. oz.	Apply twice when symptoms appear in late spring at 30 day intervals. Irrigate after application with 3 to 4 gallons of water per 1000 square feet of turf.
Fungus Control for Lawns (Granular) [Bayer Advanced]	Anthracnose Brown Patch Dollar Spot Gray Leaf Spot Melting Out Rust	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.
	Take-All Patch	3.5 lb	PREVENTATIVE CONTROL: Apply in spring and fall to reduced disease severity. Dethatch lawn prior to application. Irrigate after application with 3 to 4 gallons of water per 1000 square feet of turf.
Fungus Control for Lawns RTS (Ready-to-Spray) [Bayer Advanced]	Anthracnose Brown Patch Dollar Spot Gray Leaf Spot	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.

	Melting Out Rust	6.4-12.8 fl. oz.	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 Lawn & Garden RTS (Ready-to- Spray) Concentrate [Bonide]	Brown Patch Gray Leaf Spot Melting Out	20 fl. oz.	Apply when conditions favor disease and before symptoms appear. Repeat applications at 14-day intervals as needed. Hose-on container (quart) covers 1600 square feet of turf.
	Dollar Spot Rust	20 fl. oz.	Apply when conditions favor disease and before symptoms appear. Repeat applications at 21- to 28-day intervals as needed. Hose-on container (quart) covers 1600 square feet of turf.
Thiophanate-methyl			
Infuse Lawn & Landscape Granules [Bonide]	Anthracnose Brown Patch Dollar Spot Gray Leaf Spot	1.5-3 lb.	PREVENTIVE CONTROL: Apply before disease is likely to appear or until control achieved. Repeat application every 14 days as needed. Use higher rate when disease is active and damage fresh. Water immediately after application or apply before a rain.
	Spring Dead Spot	3 lb.	PREVENTIVE CONTROL: Apply in fall and again in spring when disease appears and repeat every 14 days as needed. Water immediately after application or apply before a rain.
Lawn Fungus Control Granules [Scotts]	Anthracnose Brown Patch Dollar Spot	(See label for spreader settings)	PREVENTIVE CONTROL: Apply before disease is likely to appear and repeat application every 14 to 21 days as needed. Irrigate after application with 3 to 4 gallons of water per 1000 square feet of turf. CURATIVE CONTROL: Apply and then follow with PREVENTATIVE RATE after 14 days and until control is achieved. Irrigate after application with 3 to 4 gallons of water per 1000 square feet of turf.
Thiomyl [Southern AG]	Anthracnose Brown Patch Dollar Spot	2 oz.	Apply when symptoms first appear and repeat as needed every 7 to 14 days in 3 to 5 gallons of water per 1000 sq. ft of turf.
Fosetyl-AL			
Agri-Fos Systemic Fungicide [Monterey]	Pythium Blight	5-10 fl. oz.	For use on cool season grasses such as perennial ryegrass and tall fescue to control seeding disease and blight caused by <i>Pythium</i> . Apply at 14- to 21-day intervals with indicated quantity of product in 1 to 5 gallons of water per 1,000 sq. ft. Ensure foliage is thoroughly wet. Repeat as required when conditions favor disease development. Do not irrigate or mow treated areas until spray has completely dried.