

# Home Gardens Lawns

**Table 1. Fungicides available for disease management of home lawns**

Fungicide (type of fungicide)	Products	Diseases Controlled	Comments
<b>azoxystrobin</b> (systemic)	Maxide Dual Action Disease Killer	Anthracnose Fairy ring Fusarium patch Gray leaf spot Large patch Leaf spots (melting out) Pythium blight Rust Spring dead spot Take-all patch Zoysia patch	<b>No longer available</b>
<b>captan</b> (contact)	Hi-Yield Captan Fungicide 50WP  Southern Ag Home & Garden Captan Fungicide 50WP	Damping-off Large patch Leaf spots (melting out) Root rot	
<b>copper</b> (contact)	Ferti-lome Blackspot Powdery Mildew Control  Hi-Yield Copper Fungicide  SA-50 Southern Ag Liquid Copper Fungicide  Bonide Liquid Copper Fungicide  Natural Guard Copper Soap Liquid Fungicide	Algae Ascochyta leaf blight Dollar spot Rust	<b>Do not mix with liquid fertilizers.</b>  <b>Do not use in spray solutions with a pH of less than 6.5.</b>  <b>May cause staining of masonry, etc.</b>
<b>myclobutanil</b> (systemic)	Ferti-lome F-Stop  Green Light Fung-Away Systemic Lawn Fungicide  Spectracide Immunox Lawn Disease Control (Concentrate or Granules)  Spectracide Immunox Multi-purpose Fungicide Spray Concentrate	Anthracnose Dollar spot Fusarium blight Large patch Leaf spots (melting out) Spring dead spot Take-all patch Zoysia patch	

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Fungicide (type of fungicide)	Products	Diseases Controlled	Comments
<b>myclobutanil + insecticides + fertilizer</b> (systemic)	Spectracide Immunox 3-in-1 Insect & Disease Control Plus Fertilizer  Spectracide Immunox Plus Insect & Disease Control  Spectracide Immunox Plus Insect & Disease Control Multipurpose Concentrate	Dollar spot Large patch Leaf spot (melting out) Spring dead spot Summer patch	
<b>phosphorus acid</b> (systemic)	Monterey Agri-Fos Systemic Fungicide	Pythium blight Pythium root rot	
<b>propiconazole</b> (systemic)	Bayer Advanced Fungus Control for Lawns Ready to Spray  Bayer Advanced Fungus Control for Lawns Ready to Spread Granules II  Bonide Infuse Systemic Disease Control Lawn & Landscape Ready to Spray  Ferti-lome Liquid Systemic Fungicide II  Gordon's Systemic Fungicide  Maxide Dual Action Disease Killer Ready to Spray	Anthracnose Dollar spot Fusarium blight Gray leaf spot Large patch Leaf spot (melting out) Powdery mildew Rust Take-all patch	
<b>thiophanate-methyl</b> (systemic)	Bonide Infuse Systemic Disease Control Lawn & Landscape Granules Ferti-lome Halt Systemic Rose, Flower, Lawn, Ornamental Fungicide  SA-50 Thiomyl Turf and Ornamental Systemic Fungicide	Anthracnose Dollar spot Fusarium blight Large patch Leaf spot (melting out) Summer patch	
<b>triadimefon</b> (systemic)	Bonide Fungi-onil Lawn Disease Control  Bayer Advanced Fungus Control For Lawns  Green Light Fung-Away Systemic Lawn Fungicide Spray  High Yield Fungicide Granules	Dollar spot Fairy rings Gray leaf spot Large patch Take-all patch	

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**Table 2. Efficacy of available fungicides for disease management of home lawns**

Fungicide <sup>1</sup>	Diseases					
	Dollar spot	Large patch	Take-all patch, Bermuda decline, Ggg <sup>2</sup>	Gray leaf spot	Leaf spots, Melting out	Fairy rings
azoxystrobin		4	(3) <sup>3</sup>	4	3	3
myclobutanil	4	2			1	
propiconazole	4	2	(2)	2	2	
triadimefon	4	4	(2)	2		3
thiophanate-methyl	4			4	2	

<sup>1</sup>Efficacy ratings are on a scale from 1 to 4 where 1=inconsistent but performs well in some instances, and 4=consistently good to excellent results. Efficacy data are based on trials using commercial formulations of the fungicides, not the formulations readily available to homeowners. Ratings were compiled by Drs. Vincelli and Williams at the University of Kentucky (PPA-1 Chemical Control of Turfgrass Diseases 2011 <http://pest.ca.uky.edu/PSEP/Manuals/ppa1.pdf>).

<sup>2</sup>*Gaeumannomyces graminis* var. *avenae*

<sup>3</sup>Ratings within parentheses are for take-all patch caused by *Gaeumannomyces graminis* var. *avenae* (Ggg).

Information in this section was last updated in December 2019 by Dr. R. Singh.