

Home Gardens Landscapes

Table 1. Fungicides available for disease management in home landscapes.

Product Name	Comments
<p>calcium polysulfides Type of fungicide: Contact Crops: Roses and most landscape trees and shrubs Diseases controlled: Anthracnose, black spot, powdery mildew and rust</p>	
Hi-Yield Improved Lime Sulfur Spray	<ul style="list-style-type: none"> - Highly toxic. - Do not apply when temperatures exceed 85 F. - Do not apply with oil or near the time of an oil application.
<p>captan Type of fungicide: Contact Crops: Azalea, camellia, carnation, chrysanthemum, gladiolus, tuberous begonia and rose Diseases controlled: Black spot, Botrytis flower blight, damping-off, fungal leaf spots, petal blight, rust and tuber rot</p>	
Bonide Captan 50WP Hi-Yield Captan 50W Fungicide SA-50 Home and Garden Captan Fungicide	-Hi-Yield Captan 50W can only be used on azalea, camellia, chrysanthemum and rose.
<p>captan + insecticides Type of fungicide: Contact Crops: Evergreens, flowers and roses Diseases controlled: Black spot, flower blight, leaf spots and rust</p>	
Bonide A Complete Fruit Tree Spray Concentrate Gordon's Liquid Fruit Tree Spray Martin's Rescue One Spray Protection	
<p>chlorothalonil Type of fungicide: Contact Crops: Most landscape plants Diseases controlled: Anthracnose, Botrytis blight, downy mildew, fungal leaf spots and blights, powdery mildew and rust</p>	
Bonide Fung-onil Multi-purpose Fungicide ¹ Ferti-lome Broad Spectrum Landscape and Garden Fungicide ¹ GardenTech Daconil Fungicide ¹ Hi-Yield Vegetable, Flower, Fruit and Ornamental Fungicide Ortho Disease B Gon Garden Fungicide Concentrate Ortho Max Garden Disease Control Concentrate SA-50 Liquid Ornamental and Vegetable Flowable Fungicide	
<p>mancozeb Type of fungicide: Contact Crops: Most landscape plants Diseases controlled: Anthracnose, downy mildew, fungal leaf spots and blights and rust</p>	
Bonide Mancozeb Flowable with Zinc Concentrate SA-50 Dithane M-45	
<p>myclobutanil Type of fungicide: Systemic Crops: Most landscape plants Diseases controlled: Anthracnose, black spot, blossom blight, Cercospora leaf spot, petal blight, powdery mildew, rust and scab</p>	
Spectracide Immunox Multi-purpose Fungicide Spray Concentrate	

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Product Name	Comments
<p>myclobutanil + insecticide + fertilizer Type of fungicide: Systemic Crops: A variety of landscape plants Diseases controlled: Anthracnose, black spot, blossom blight, Cercospora leaf spot, petal blight, powdery mildew, rust and scab</p>	
<p>Spectracide Immunox 3-in-1 Insect and Disease Control Plus Fertilizer Spectracide Immunox Plus Insect and Disease Control Spectracide Immunox Plus Insect and Disease Multi-purpose Concentrate</p>	
<p>neem oil Type of fungicide: Contact Crops: Most landscape plants and houseplants Diseases controlled: Anthracnose, black spot, Botrytis, downy mildew, fungal leaf spots and blights, powdery mildew, rust and scab</p>	
<p>Bonide Rose Rx 3-in-1¹ Bonide Tomato and Vegetable 3-in-1 Concern Garden Defense Multi-purpose Spray¹ Ferti-lome Rose, Flower and Vegetable Spray Gardens Alive! Shield-All II Green Light Neem Concentrate Green Light Powdery Mildew Killer RTU Green Light Rose Defense Green Light Rose Defense Ready-To-Use Garden Safe Fungicide 3-in-1¹ Natural Guard Neem Py Southern Ag Triple Action Neem Oil</p>	<p>- Can be used for organic gardening. - Do not use on sensitive plants (flowers of impatiens, fuchsia and hibiscus and some rose and carnation varieties).</p>
<p>neem oil + insecticides Type of fungicide: Contact Crops: Most landscape flowers and shrubs and houseplants Diseases controlled: Anthracnose, Botrytis, downy mildew, fungal leaf spots and blights, powdery mildew, rust and scab</p>	
<p>Ferti-lome Triple Action Plus¹ Green Light Neem^{II} Ready-To-Use Green Light Rose Defense II Ready-To-Use</p>	<p>- Do not use on sensitive plants (flowers of impatiens, fuchsia and hibiscus and some rose and carnation varieties).</p>
<p>phosphorus acid Type of fungicide: Systemic Crops: Most landscape plants Diseases controlled: Bacterial blight, downy mildew, Phytophthora and Pythium</p>	
<p>Monterey Garden-Fos Systemic Fungicide</p>	
<p>potassium carbonate Type of fungicide: Contact Crops: Most landscape plants Diseases controlled: Powdery mildew</p>	
<p>Garden-ville Potassium Bicarbonate</p>	
<p>propiconazole Type of fungicide: Systemic Crops: Most landscape plants Diseases controlled: Anthracnose, black spot, fungal leaf spots, powdery mildew, rust and scab</p>	
<p>Bonide Infuse Systemic Disease Control Bonide Infuse Systemic Disease Control Lawn and Landscape Ready to Spray</p>	<p>- Do not apply to African violets, begonias, Boston ferns or geraniums.</p>

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Product Name	Comments
Ferti-lome Liquid Systemic Fungicide II Ferti-lome Liquid Systemic Fungicide II Ready to Spray Gordon's Systemic Fungicide	
propiconazole Type of fungicide: Systemic Crops: Most landscape plants Diseases controlled: Bulb, corm, rhizome, root, crown and stem rots	
Bonide Infuse Systemic Disease Control Bonide Infuse Systemic Disease Control Lawn and Landscape Ready to Spray	- Do not apply to African violets, begonias, Boston ferns or geraniums. - Do not apply to home orchards.
streptomycin sulfate Type of fungicide: Contact Crops: Chrysanthemum, dieffenbachia, philodendron, pyracantha and rose Diseases controlled: Fire blight, Bacterial wilt, Bacterial stem rot, bacterial leaf spot and crown gall	
Ferti-lome Fire Blight Spray	- For crown gall apply as a soil drench.
sulfur Type of fungicide: Contact Crops: Most landscape plants Diseases controlled: Powdery mildew, rust, downy mildew and Botrytis blight	
Bonide Sulfur Plant Fungicide Ferti-lome Dusting Sulfur Green Light Wettable Dusting Sulfur Hi-Yield Wettable Dusting Sulfur Lilly Miller Sulfur Dust Safer Brand Garden Fungicide II Southern Ag Wettable or Dusting Sulfur	- Do not re-enter treated area for 24 hours after application. - Do not use during periods of high temperatures (85 F or higher) or within two to four weeks of using an oil spray.
sulfur + insecticides Type of fungicide: Contact Crops: Most landscape plants Diseases Controlled: Black spot, Botrytis blight, downy mildew, leaf spots, powdery mildew, rust and scab	
Bayer Advanced Nataria Insect, Diseases and Mite Control	
sulfur + potassium salts Type of fungicide: Contact Crops: Most landscape plants Diseases controlled: Black spot, leaf spots, powdery mildew and rust	
Safer Brand 3-in-1 Garden Spray ¹	- Do not use in full sun, when temperature exceeds 90 F or within four weeks of using an oil spray.
tebuconazole Type of fungicide: Systemic Crops: Most landscape plants and house plants Diseases controlled: Black spot, leaf spots, powdery mildew and rust	
Bayer Advanced Disease Control for Roses, Flowers and Shrubs	- Do not apply to plants grown for food.
tebuconazole + insecticides Type of fungicide: Systemic Crops: Most landscape plants and houseplants Diseases controlled: Anthracnose, black spot, leaf spot, petal blight, powdery mildew, rust and scab	

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Product Name	Comments
Bayer Advanced 3-in-1 Insect, Disease and Mite Control ¹	- Apply as a foliar spray every 7-14 days as necessary. - Do not apply to plants grown for food.
tebuconazole + insecticides Type of fungicide: Systemic Crops: Most landscape shrubs and flowers Diseases controlled: Leaf spots (including black spot), powdery mildew, rust and southern blight	
Bayer Advanced All-in-One Rose and Flower Care Bonide Rose Rx Systemic Drench	- Apply as a drench every six weeks. - Do not apply to plants grown for food.
thiophanate-methyl Type of fungicide: Systemic Crops: Most landscape plants Diseases controlled: Anthracnose, flower blight, fungal bulb/corm/rhizome rots, fungal leaf spots and blights, fungal root/crown/stem rots, petal blight, powdery mildew and scab	
Bonide Infuse Systemic Disease Control Lawn and Landscape Ferti-lome Halt Systemic Rose, Flower, Lawn, Ornamental Fungicide SA-50 Thiomyl Turf and Ornamental Systemic Fungicide	- Apply as a foliar spray, soil drench or bulb soak.
triforine Type of fungicide: Systemic Crops: A variety of landscape plants Diseases controlled: Azalea petal blight, black spot, Entomosporium leaf spot, powdery mildew and rust	
Ortho RosePride Disease Control Concentrate Ortho RosePride Rose and Shrub Disease Control Concentrate	- Do not use on plants grown for food.
triforine + insecticides Type of fungicide: Systemic Crops: A variety of landscape plants Diseases controlled: Azalea petal blight, black spot, Entomosporium leaf spot, powdery mildew and rust	
Ortho Orthenex Insect and Disease Control ¹	- Do not use on plants grown for food.

¹Available in concentrate and ready to use formulations

Information in this section was last updated in October 2022 by R. Singh.