



Extension

UNIVERSITY OF WISCONSIN-MADISON

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# Home Vegetable Garden Fungicides

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Diseases of vegetable plants can pose a challenge for the home gardener. Typically, cultural methods are the preferred options for disease management in home vegetable gardens. Cultural methods include proper site selection, plant spacing, staking, watering, fertilization, and perhaps most importantly, use of disease-resistant vegetable cultivars. However, if diseases become especially problematic, fungicide treatments are also an option for home gardeners.

This guide is intended to help identify some of the common, and most suitable, fungicides available for disease control in home vegetable gardens. All of the fungicides listed on this fact sheet have been found on shelves at southern Wisconsin home garden centers. This listing is not intended to be exhaustive, but references fungicides that, when used properly, can be effective in controlling the most common diseases of vegetables grown in home gardens. When selecting a product from this list, be sure to note the product name carefully, as several products can have very similar names and contain similar active ingredients. Check that the active ingredient on the label of the product that you select is the ingredient that you are looking for. Also, be sure to read and follow **all** label instructions of the fungicide that you select to ensure that you use the product in the safest and most effective manner possible.

VEGETABLE	DISEASE(S)	ACTIVE INGREDIENT	BRAND NAMES
asparagus	rust	chlorothalonil	Daconil, Fung-onil, Ortho Max Disease Control
		mancozeb	Mancozeb Flowable
		myclobutanil	Spectracide Immunox
		propiconazole	Monterey Fungi Fighter, Infuse
		tebuconazole	Bayer Advanced 3 in 1, Bayer Advanced Disease Control
bean	rust	chlorothalonil	Daconil, Fung-onil, Ortho Max Disease Control
		myclobutanil	Spectracide Immunox
		propiconazole	Monterey Fungi Fighter, Infuse
		tebuconazole	Bayer Advanced 3 in 1, Bayer Advanced Disease Control
carrot	Alternaria leaf blight Cercospora leaf blight	chlorothalonil	Daconil, Fung-onil, Ortho Max Disease Control
		copper*	Copper Fungicide, Copper Soap, Dragon Dust, Earth Tone, Garden Dust
		propiconazole	Monterey Fungi Fighter, Infuse
cucurbits (cucumber, melon, squash)	downy mildew	chlorothalonil	Daconil, Fung-onil, Ortho Max Disease Control
		copper*	Copper Fungicide, Copper Soap, Dragon Dust, Earth Tone, Garden Dust
		mancozeb	Mancozeb Flowable
		phosphorous acids	Excel LG-Systemic Fungicide
cucurbits (cucumber, melon, squash)	powdery mildew	myclobutanil	Spectracide Immunox
		neem oil*	70% Neem Oil, Garden Safe, Natural Guard Neem
		other plant-based oils*	Vegetable Pharm, SNS 244 All Natural, Organocide, Oleotrol M
		potassium bicarbonate*	Green Cure Organic Fungicide
		propiconazole	Monterey Fungi Fighter, Infuse
		sulfur*	Dusting sulfur, Earth Tone 3 in 1, Safer Garden Fungicide
		tebuconazole	Bayer Advanced 3 in 1, Bayer Advanced Disease Control



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# UW Plant Disease Facts

VEGETABLE	DISEASE(S)	ACTIVE INGREDIENT	BRAND NAMES
onion	downy mildew	chlorothalonil	Daconil, Fung-onil, Ortho Max Disease Control
		copper*	Copper Fungicide, Copper Soap, Dragon Dust, Earth Tone, Garden Dust
		mancozeb	Mancozeb Flowable
		phosphorous acids	Excel LG-Systemic Fungicide
onion	leaf blight	chlorothalonil	Daconil, Fung-onil, Ortho Max Disease Control
	purple blotch	mancozeb	Mancozeb Flowable
pepper	anthracnose	chlorothalonil	Daconil, Fung-onil, Ortho Max Disease Control
potato	early blight	chlorothalonil	Daconil, Fung-onil, Ortho Max Disease Control
	late blight	copper*	Copper Fungicide, Copper Soap, Dragon Dust, Earth Tone, Garden Dust
		mancozeb	Mancozeb Flowable
sweet corn	fungal foliar diseases rust	chlorothalonil	Daconil, Fung-onil, Ortho Max Disease Control
		mancozeb	Mancozeb Flowable
		propiconazole	Monterey Fungi Fighter, Infuse
		tebuconazole	Bayer Advanced 3 in 1, Bayer Advanced Disease Control
tomato	early blight	chlorothalonil	Daconil, Fung-onil, Ortho Max Disease Control
	late blight	copper*	Copper Fungicide, Copper Soap, Dragon Dust, Earth Tone, Garden Dust
	Septoria leaf spot	mancozeb	Mancozeb Flowable
vegetables (general)	damping-off Root rot	<i>Streptomyces lydicus</i> *	Actino-Iron, Actinovate
vegetables (general)	bacterial diseases (bean bacterial blight, cabbage black rot, cucumber angular leaf spot, onion bacterial blight, pepper bacterial spot, potato blackleg, tomato bacterial spot)	copper*	Copper Fungicide, Copper Soap, Dragon Dust, Earth Tone, Garden Dust
vegetables (general)	viral diseases (cucumber mosaic virus, tobacco mosaic virus, tomato spotted wilt virus)	none	None

\* Active ingredients generally considered 'organic'. Certified organic growers **must** use pesticides approved by their organic certifying agency.

**For more information on home vegetable garden fungicides:** Contact the University of Wisconsin Plant Disease Diagnostics Clinic (PDDC) at (608) 262-2863 or [pddc@wisc.edu](mailto:pddc@wisc.edu).

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 References to pesticide products in this publication are for your convenience and are not an endorsement or criticism of one product over similar products. You are responsible for using pesticides according to the manufacturer's current label directions. Follow directions exactly to protect the environment and people from pesticide exposure. Failure to do so violates the law.  
 Thanks to Russell Groves, Stephen Jordan, James Kerns and Patti Nagai for reviewing this document.  
 A complete inventory of UW Plant Disease Facts is available at the University of Wisconsin-Madison Plant Disease Diagnostics Clinic website: <https://pddc.wisc.edu>.  
 Submit additional lawn, landscape, and gardening questions at <https://hort.extension.wisc.edu/ask-a-gardening-question/>.