

Fungicides and Bactericides Available for Home Use 2011

Common chemical name	Trade name	Comments
Bacillus subtilis	Natria Disease Control	An organic biological product from Bayer. For control or suppression of several diseases.
captan	Captan 50 WP, Captan Wettable,	Primarily for fruit trees, black spot and crabapple scab. Contact or protectant fungicide.
chlorothalonil	Ortho Garden Disease Control Bonide Fung-onil- Multi-Purpose Fungicide. Ready to use and concentrate Garden Tech Daconil. Ready to use	General purpose fungicide for vegetables and ornamentals. Contact or protectant fungicide.
copper salts of fatty and rosin acids, basic copper sulfate	Bonide Copper Spray Dust, Liquid Copper, Ortho Elementals Garden Disease Control	Can be helpful in bacterial and fungal disease control Contact or protectant fungicide.
lime-sulfur	Bonide Lime-Sulfur Spray	Good for cane cankers on rose and other early season diseases.
mancozeb	Bonide Mancozeb Flowable	General purpose contact fungicide for ornamentals and vegetables
*myclobutanil	Spectracide Immunox Spectracide Immunox Plus - contains myclobutanil and permethrin (aerosol can and liquid concentrate) Spectracide Immunox Lawn Disease Control Granules and Hose-end liquid applicator Green Light Fung-Away – granules for turf	Excellent on black spot on rose, powdery mildews and other common landscape diseases. Should be alternated with other fungicides like Daconil for black spot. Systemic action moves from top of leaf to lower surface and to the new growth.
paraffinic oil	Sunspray Ultra-Fine Oil, Bonide All Seasons Spray Oil Ortho Volck Oil	Mostly for powdery mildew control and insect control both as a dormant spray and during the growing season
phosphorus acid salts	Agri-Fos Systemic Fungicide	For downy mildews and other diseases. Active on many Phytophthora and Pythium diseases. Not effective on downy mildew of cucumbers or late blight on tomato Fully systemic
phosphonate, aluminum-tris	Monterey Aliette	For downy mildew and Phytophthora diseases. Systemic.
potassium bicarbonate	Bonide Remedy 85%	Biorational fungicide for powdery mildew and other fungal diseases. Good on powdery mildew control but very weak to no control on black spot on rose under our conditions. Contact or protectant fungicide.
*propiconazole	Bonide Infuse Systemic Disease Control Fungicide Control for Lawns - granules	Systemic turf and ornamental fungicide. Same active as the commercial product Banner MAXX.

neem oil	Dyna-Gro Pure Neem Oil, Green Light Rose Defense Garden Safe Fungicide 3, Bonide Rose Rx, Green Light Neem Concentrate	Good for powdery mildews and some insects. For best results coverage of all plant parts including undersides of leaves is necessary.
sulfur	Bonide Sulfur Plant Fungicide, Safer Garden Fungicide	Good organic choice, plant damage can occur when used at high temperatures.
*tebuconazole	Bayer Advanced - Disease Control for Roses, Flowers and Shrubs	Systemic rose and ornamental fungicide. Good on rusts, powdery mildews, anthracnose, black spot
thiophanate-methyl	Scott's Lawn Fungus Control granules, Systemic	Broad spectrum disease control.
*triadimefon	Bayer Advanced Lawn -Fungus Control for Lawns- granules Bonide Fung-onil Lawn Disease Control, Bonide Lawn Fungicide w/ Bayleton (granules) Bayer Advanced Lawn - Fungus Control for Lawns 1% Granules Fortify Disease Buster 0.5% Granules	Good on powdery mildew, rusts, some leafspots, (see label)
*triforine	Ortho RosePride Rose & Shrub Disease Control Ortho Orthonex Insect and Disease Control - triforine and Orthene (acephate)	Good for powdery mildews, and black spot on rose. See label for other diseases.
Combined fungicides and insecticides		
Fruit tree sprays	Fruit Tree Spray - captan, malathion, carbaryl (Sevin) Agway Fruit Tree Spray	Some have methoxychlor in addition
Roses & flowers	Immunox Plus Ortho RosePride Orthenex Insect and Disease Control Bayer Advanced Garden All in One Rose & Flower Care Bonide Garden Dust Bonide Systemic Drench	Myclobutanil and permethrin (aerosol can and concentrate) Orthene and triforine (aerosol can) Tebuconazole, imidacloprid (Merit) and fertilizer. Pyrethrins, sulfur, basic copper sulfate for veggies, fruit and flowers. Tebuconazole plus imidacloprid

* These are all systemic DMI fungicides and have a similar mode of action. To prevent resistance development alternate with fungicides that are not related such as chlorothalonil or mancozeb

Note: These are products that are available spring 2011 from local nursery centers, Home Depot, Lowe's, and Alexander's in Newark. These are not recommendations just a list of materials. Read the label for host plant listings and diseases controlled. These and other similar products with different trade names but the same active ingredients can be found and purchased on-line as well.

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