

SAG-17

# Examples of OMRI-Approved Inoculants and Soil Amendments That Can Be Used in Certified Farming

SAG-17-Table 1

Classification	Trade Name	Product Category	Manufacturer
Fertilizer and soil amendments	Down to Earth Bone Meal 3-15-0	Animal by-product and materials	Down to Earth Distributors, Inc.
	Bone Char 0-16-0	Ash	North Country Organics
	Phyta-Grow® Big Red 13-0-0	Blood meal	California Organic Fertilizers
	Biomin® Boron 2-0-0	Boron products	JH Biotech, Inc.
	Converted Organics™ NC 0.4-1-0	Chitin	Converted Organics, Inc.
	Lithovit	Calcium carbonate	USA Lithovit LLC
	Ruffin-Tuff™ Organics Copper 5-G	Coppers-micronutrients	WinField Solutions LLC
	DoloPril	Dolomite	Pacific Calcium, Inc.
	Ultra Fine™ A-G	Gypsum	Western Mining and Minerals, Inc.
	Phosphate Rock	Gypsum	Wester Mining and Minerals, Inc.
	Nurturing Nature Worm Castings	Worm castings	Nurturing Nature Organics, Inc.
	BioBalance	Compost tea	The Compost Tea Company, Inc.
	Cascade Blend Compost	Compost	Cascade BioTech Company
	Commercial Compost	Compost	Cranford, Inc.
	Fassio Poultry Compost	Compost	Fassio Egg Farms
	Sonoma Organic HI-TEST Compost	Compost	Sonoma Compost Co.
	Griffin Feather Meal 12-0-0	Feather meal	Griffin Industries, Inc.
	BioFlora Dry Crumbles™ 6-6-4+6% Ca	Blended fertilizers	BioFlora systems
	Perfectly Natural™ Tomato and Vegetable Fertilizer 5-6-6	Blended fertilizers	Perfectly Natural Solutions, Inc.
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Classification	Trade Name	Product Category	Manufacturer
Pest and disease control	Biobit® HP	<i>Bacillus thuringiensis</i> , Insecticides	Valent BioSciences® Corp.
	Mycotrol O®	<i>Beauveria spp.</i> , insecticides	Laverlam International Corp.
	BioNem C	<i>Beneficial</i> nematodes, biological control	Becker Underwood®, Inc.
	Serenade® MAX™	Microbial products, <i>Bacillus subtilis</i> , fungicide	AgraQuest, Inc.
	Blight Ban® A506	<i>Pseudomonas fluorescens</i>	NuFarm Americas, Inc.
Inoculants	Mycorise® ASP	Inoculants, endomycorrhize	Premier Tech Biotechnologies
	MycoApply® Ecto Liquid Blend	Microbial products, ectomycorrhize	Mycorrhizal Applications, Inc.
	Myco Seed™ Treat	Seed treatment, beneficial bacteria and fungi	AgriEnergy Resources®
	Myke® Pro PS3	Seed treatment, mycorrhize	Premier Tech Biotechnologies
	Nodulator® Liquid Inoculant for pea and lentil	Inoculants, rhizobia	Becker Underwood®, Inc.
	Vault® NP Liquid Legume inoculant for soybeans	Inoculants, rhizobia	Becker Underwood®, Inc.
	PRE-VAIL	Microbial inoculants, rhizobia	INTX Microbials, LLC

Biocontrol Organism	Trade Name	Target Disease	Target Crops	Efficacy <sup>1,2</sup>
<i>Bacillus subtilis</i> strain QST 713	Serenade® Garden Disease Control Concentrate	Bacterial spot, powdery mildew, rust, gray mold, leaf blight, scab, and more	Fruits, vegetables, and flowers	*
	Serenade® Garden Disease Control Ready to Use	Bacterial spot, powdery mildew, rust, gray mold, leaf blight, scab, and more	Vegetable, fruit, nuts, ornamentals plants, annual and perennial flowering plants, tropical foliage, trees, and shrubs	*
	Serenade® MAX™	Fire blight, <i>Botrytis</i> , Sour rot, rust, <i>Sclerotinia</i> , powdery mildew, bacterial spot	Vegetables, fruit, nut, and vine crops	Blueberry/anthracnose fruit rot: + Blueberry/mummy berry: ± Cranberry/fruit rot: o Apple/fire blight: o Apple/flyspeck: o Apple/sooty blotch: o Apple/black pox: o Apple/brooks fruit spot: o
	Serenade® Wettable Powder Biofungicide	Fire blight, <i>Botrytis</i> , sour rot, rust, <i>Sclerotinia</i> , powdery mildew, bacterial spot	Vegetables, fruit, nut, and vine crops	Apple/fire blight: o Red raspberry/fruit rot: o Grape/bunch rot and powdery mildew: + Turnip greens/bacterial leaf spot: o Hydrangea/powdery mildew: + Pansy/ <i>Cercospora</i> leaf spot: + Pumpkin, cantaloupe, and honeydew/powdery mildew: + Lettuce/lettuce drop: ± Lettuce/powdery mildew: + Broccoli/downy mildew: +
	Serenade® ASO	Fungi and bacteria that cause scab, powdery mildew, sour rot, downy mildew, and early leaf spot, early blight, late blight, bacterial spot, and walnut blight diseases	Food crops including cherries, cucurbits, grapes, leafy vegetables, peppers, potatoes, tomatoes, and walnuts	Cranberry/cotton ball: ± Spinach/ <i>Stemphylium</i> leaf spot: o Snap bean/ <i>Rhizoctonia</i> root rot: o Radish/hypocotyl root rot and clubroot: ±

Biocontrol Organism	Trade Name	Target Disease	Target Crops	Efficacy <sup>1,2</sup>
<i>Trichoderma virens</i> (formerly <i>Gliocladium virens</i> )	SoilGard 12G3	<i>Pythium</i> , <i>Rhizoctonia</i> , and root rots	Ornamental and food crop plants grown in greenhouses, nurseries, interiorscapes, and outdoors	Geranium/root rot: o Gladiolus/ <i>Fusarium</i> corn rot: o Poinsettia/ <i>Pythium</i> root rot: + Azalea/ <i>Phytophthora</i> root rot: o Potato/black scurf: + Potato/ <i>Rhizoctonia</i> and <i>Streptomyces</i> : o Snap beans/gray mold: ± Snap beans/white mold: o Cucumber/damping-off: o
<i>Bacillus pumilus</i> QST 2808	Sonata®	Fungal pests such as molds, mildews, blights, and rusts	Many food and non-food crops, including trees susceptible to sudden oak death syndrome. For use outdoors, including nurseries, landscapes, and rights-of-way, and for use in greenhouses	Lima beans/white mold: o Lettuce/powdery mildew: + Lettuce/lettuce drop: ± Broccoli/downy mildew: + Pumpkin/powdery mildew: o Radish/downy mildew: + Radish/clubroot and <i>Rhizoctonia</i> hypocotyl root rot: o
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Biocontrol Organism	Trade Name	Target Disease	Target Crops	Efficacy <sup>1,2</sup>
<i>Trichoderma harzianum</i> Rifai strain KRL-AG2	T-22™ HC	<i>Fusarium</i> , <i>Pythium</i> , and <i>Rhizoctonia</i>	Agronomic field and row crops, alfalfa, hay and forage crops, bulb crops, cucurbits, fruiting vegetables, herbs, spices, leafy vegetables, cole crops, legumes, root crops, small grains, and tuber crops	Soybean/ <i>Rhizoctonia solani</i> and drought: o
	T-22™ Planter Box	<i>Fusarium</i> , <i>Pythium</i> , and <i>Rhizoctonia</i>	Agronomic field and row crops, alfalfa, hay and forage crops, bulb crops, cucurbits, fruiting vegetables, herbs, spices, leafy vegetables, cole crops, legumes, root crops, small grains, and tuber crops	Pea/root rot: ± Bean (baby lima)/root rot: o Pea/root rot: o
<i>Bacillus pumilus</i> GB34	Yield Shield® Concentrate Biological Fungicide	<i>Rhizoctonia</i> and <i>Fusarium</i>	Legumes	Soybean/root rot: o Soybean/ <i>Rhizoctonia</i> damping-off: o Snap beans/root rot: o

1. The efficacy ratings are based on the results of studies published between 2000 and 2009 in the Plant Disease Management Reports ([plantmanagementnetwork.org](http://plantmanagementnetwork.org)). These ratings are built on a comparison between untreated controls and the application of each product independently.
2. + Evidence for disease control and/or yield increase, ± mixed results, o no obvious response to treatment, and \* no data available in the selected PDM reports.
3. These products are not currently registered for use in the state of Ohio.

