

**Table 3. Fungicides and bactericides currently labeled for diseases of woody ornamentals in Massachusetts, listed by trade name.**

TRADE NAME*	ACTIVE INGREDIENT(S)	SUPPLIER	2014 EPA REG. #	RESTRICTED USE?
18 Plus T&O	Iprodione	Lesco, Inc.	432-888-10404	No
26 GT	Iprodione	Bayer Environmental Science	432-888	No
26/36	Iprodione + Thiophanate-methyl	Cleary Chemical Corporation	432-1414-1001	No
3336 F	Thiophanate-methyl	Cleary Chemical Corporation	1001-69	No
3336 WP	Thiophanate-methyl	Cleary Chemical Corporation	1001-63	No
4 Flowable Mancozeb	Mancozeb	Lesco, Inc.	62719-396-10404	No
70% Neem Oil	Neem Oil	Lawn and Garden Products, Inc.	70051-2-54705	No
Abound Flowable	Azoxystrobin	Syngenta Crop Protection, Inc.	100-1098	No
Adament 50 WG	Tebuconazole + Trifloxystrobin	Bayer Environmental Science	264-1052	No
Ag Streptomycin	Streptomycin Sulfate	Makhteshim Agan of N. America, Inc.	66222-121	No
Agri-Fos	Phosphorous Acid	Agrichem	71962-1	No
Agri-Fos	Phosphorous Acid	Lawn and Garden Products, Inc.	71962-1-54705	No
Agri-Mycin 17	Streptomycin Sulfate	Nufarm Americas, Inc.	55146-96	No
Alamo	Propiconazole	Syngenta Crop Protection, Inc.	100-741	No
Aliette WDG	Fosetyl-Aluminum	Bayer Environmental Science	432-890	No
Alude	Phosphorous Acid	Cleary Chemical Corporation	71962-1-1001	No
AmTide Propiconazole 41.8%	Propiconazole	AmTide, LLC	83851-10	No
Arborfos	Phosphorous Acid	J. J. Mauget Company	7946-26	No
Arborfos HP	Phosphorous Acid	J. J. Mauget Company	7946-31	No
Arbotect 20-S	Thiabendazole Hypophosphite	Syngenta Crop Protection, Inc.	100-892	No
Armada 50WP	Triadimefon + Trifloxystrobin	Bayer Environmental Science	432-1412	No
Armicarb 100	Potassium Bicarbonate	Helena Chemical Company	5905-541	No
Banner MAXX	Propiconazole	Syngenta Crop Protection, Inc.	100-741	No
Banner MAXX II	Propiconazole	Syngenta Crop Protection, Inc.	100-1326	No
Banol T&O	Propamocarb Hydrochloride	Bayer Environmental Science	432-942-10404	No
Banrot 40 WP	Etridiazole + Thiophanate-methyl	Scott's-Sierra Crop Protection Co.	58185-10	No
Banrot 8G	Etridiazole + Thiophanate-methyl	Scott's-Sierra Crop Protection Co.	58185-23	No
Basic Copper 53	Basic Copper Sulfate	Albaugh, Inc.	45002-8	No
Bayleton 50 WSP	Triadimefon	Bayer Environmental Science	432-1360	No
Bayleton Flo	Triadimefon	Bayer Environmental Science	432-1445	No
Bon Neem II	Neem Oil	Bonide Products, Inc.	70051-74-4	No
Bonide Neem Oil	Neem Oil	Bonide Products, Inc.	70051-2-4	No
Bravo Ultrex	Chlorothalonil	Syngenta Crop Protection, Inc.	50534-201-100	Yes
Bravo Weather Stik	Chlorothalonil	Syngenta Crop Protection, Inc.	50534-188-100	Yes
BSP Lime-Sulfur Solution	Calcium Polysulfide (Lime Sulfur)	AG Formulators, Inc.	66196-2-72	No
BSP Sulforix	Calcium Polysulfide (Lime Sulfur)	AG Formulators, Inc.	66196-3-72	No
Camelot O	Copper Salts of Fatty and Rosin Acids	SePRO Corp.	67702-2-67690	No
Chipco 26019 Flo	Iprodione	Bayer Environmental Science	432-888	No
Chipco Signature	Fosetyl-Aluminum	Bayer Environmental Science	432-890	No
Chloronil 720	Chlorothalonil	Syngenta Crop Protection, Inc.	50534-188-100	Yes
Cholorthalonil 720 SC	Chlorothalonil	Arysta LifeScience	66330-362	Yes
C-O-C-S WDG	Basic Copper Sulfate	Loveland Products, Inc.	34704-326	No
Compass	Trifloxystrobin	Bayer Environmental Science	432-1371	No
Compass O 50WDG	Trifloxystrobin	OHP, Inc.	432-1371-59807	No

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Concert	Chlorothalonil + Propiconazole	Syngenta Crop Protection, Inc.	100-1192	Yes
Concert II	Chlorothalonil + Propiconazole	Syngenta Crop Protection, Inc.	100-1347	Yes
Cuprofix Ultra 40 Dispersers	Basic Copper Sulfate	Cerexagri, Inc.	70506-201	No
Cygnus	Kresoxim-methyl	BASF Corporation	7969-124	Yes
Daconil Ultrex	Chlorothalonil	Syngenta Crop Protection, Inc.	50534-202-100	Yes
Daconil Weather Stik	Chlorothalonil	Syngenta Crop Protection, Inc.	50534-209-100	Yes
Daconil Zn	Chlorothalonil	Syngenta Crop Protection, Inc.	50534-211-100	Yes
Ditera DF	<i>Myrothecium verrucaria</i> (dried solids & solubles)	Valent Biosciences Corp.	73049-67	No
Dithane 75DF Rainshield	Mancozeb	Dow AgroSciences, LLC	62719-402	No
Dithane F-45 Rainshield	Mancozeb	Dow AgroSciences, LLC	62719-396	No
Dithane M45	Mancozeb	Dow AgroSciences, LLC	62719-387	No
Docket DF	Chlorothalonil	Syngenta Crop Protection, Inc.	50534-202-100	Yes
Dorado	Propiconazole	Syngenta Crop Protection, Inc.	100-741	No
Dragoon Dust with Copper	Basic Copper Sulfate	Bonide Products, Inc.	4-474	No
Eagle 20EW	Myclobutanil	Dow AgroSciences, LLC	62719-463	No
Eagle 40 WP	Myclobutanil	Dow AgroSciences, LLC	62719-417	No
Echo 720 T&O	Chlorothalonil	Sipcam Agro USA, Inc.	60063-7	Yes
Echo Ultimate T&O	Chlorothalonil	Sipcam Agro USA, Inc.	60063-3	Yes
Eco-Mate Armicarb "O"	Potassium Bicarbonate	Helena Chemical Company	5905-541	No
Ensign 720	Chlorothalonil	Loveland Products, Inc.	34704-966	Yes
Ensign 82.5%	Chlorothalonil	Loveland Products, Inc.	34704-965	Yes
Equus 500 ZN	Chlorothalonil	Makhteshim Agan of N. America, Inc.	66222-150	Yes
Equus 720 SST	Chlorothalonil	Makhteshim Agan of N. America, Inc.	66222-154	Yes
Equus DF	Chlorothalonil	Makhteshim Agan of N. America, Inc.	66222-149	Yes
Fathom 14.3 MEC	Propiconazole	PROKoZ, Inc.	72112-3	No
Ferti-lome horticultural oil spray	Horticultural Oil	Voluntary Purchasing Group, Inc.	48813-1-7401	No
Firewall 17WP	Streptomycin Sulfate	AgroSource, Inc.	80990-4	No
Fitness	Propiconazole	Loveland Products, Inc.	34704-1031	No
Flint	Trifloxystrobin	Bayer Environmental Science	264-777	No
Fore 80WP Rainshield	Mancozeb	Dow AgroSciences, LLC	62719-388	No
Fosphite	Phosphorous Acid	JH Biotech, Inc.	68573-2	No
Fungisol	Debacarb + Carbendazim	J. J. Mauget Company	7946-14	No
Fungo WSB	Thiophanate-methyl	Scott's-Sierra Crop Protection Co.	58185-30	No
Gem 500 SC	Trifloxystrobin	Bayer Environmental Science	264-826	No
Green Light Neem Concentrate	Neem Oil	Green Light Co.	70051-2-869	No
Heritage	Azoxystrobin	Syngenta Crop Protection, Inc.	100-1093	No
Hoist	Myclobutanil	PROKoZ, Inc.	62719-417-72112	No
Honor Guard PPZ T&O	Propiconazole	Control Solutions, Inc.	66222-41-53883	No
Imisol	Debacarb (+ Imidacloprid)	J. J. Mauget Company	7946-21	No
Incognito 4.5F	Thiophanate-methyl	Makhteshim Agan of N. America, Inc.	66222-134	No
Incognito 85 WDG	Thiophanate-methyl	Makhteshim Agan of N. America, Inc.	66222-145	No
Initiate 720	Chlorothalonil	Loveland Products, Inc.	34704-881	Yes
Ipro 2SE	Iprodione	Makhteshim Agan of N. America, Inc.	73220-14	No
Kocide 101	Copper Hydroxide	E.I. DuPont De Nemo	352-681	No

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Kocide 2000	Copper Hydroxide	E.I. DuPont De Nemo	352-656	No
Kocide 3000	Copper Hydroxide	E.I. DuPont De Nemo	352-662	No
Kocide 4.5LF	Copper Hydroxide	E.I. DuPont De Nemo	352-684	No
Kocide DF	Copper Hydroxide	E.I. DuPont De Nemo	352-688	No
Kumulus DF	Sulfur	Arysta LifeScience	51036-352-66330	No
Mainsail 6.0 F	Chlorothalonil	PROKoZ, Inc.	72112-6	<b>Yes</b>
Mainsail WDG	Chlorothalonil	PROKoZ, Inc.	72112-5	<b>Yes</b>
Mancozeb DG	Mancozeb	Lesco, Inc.	62719-402-10404	No
Mancozeb Flowable with Zinc	Mancozeb	Bonide Products, Inc.	62719-396-4	No
Manicure 6FL	Chlorothalonil	Lesco, Inc.	60063-7-10404	<b>Yes</b>
ManKocide	Mancozeb + Copper Hydroxide	E.I. DuPont De Nemo	352-690	No
Manzate Flowable T&O	Mancozeb	Cerexagri, Inc.	70506-236	No
Manzate Pro-Stick T&O	Mancozeb	Cerexagri, Inc.	70506-234	No
Micro Sulf	Sulfur	Nufarm Americas, Inc.	55146-75	No
Microfine Sulfur	Sulfur	Loveland Products, Inc.	6325-13-34704	No
Monterey Fungi-Fighter	Propiconazole	Lawn and Garden Products, Inc.	100-773-54705	No
Myclo 20 EW	Myclobutanil	United Turf Alliance	42750-166-86064	No
Myclobutanil 20 EW T&O	Myclobutanil	Makhteshim Agan of N. America, Inc.	66222-185	No
Natria Neem Oil Concentrate	Neem Oil	Bayer Advanced, LLC	70051-2-72155	No
Nu-Cop 50DF	Copper Hydroxide	Albaugh, Inc.	45002-4	No
Nu-Cop 50WP	Copper Hydroxide	Albaugh, Inc.	45002-7	No
Organocide Plant Doctor	Phosphorous Acid	Organic Laboratories, Inc.	71962-1-70179	No
Pristine	Boscalid + Pyraclostrobin	BASF Corporation	7969-199	No
Procon-Z	Propiconazole	Loveland Products, Inc.	34704-879	No
Procare 480SC	Triflumizole	Chemtura Corp.	400-518	No
ProPensity 1.3ME	Propiconazole	Sipcam Agro USA, Inc.	60063-27	No
Propi-Star EC	Propiconazole	Albaugh, Inc.	42750-211	No
Proplant T&O	Propamocarb Hydrochloride	Sipcam Agro USA, Inc.	55260-9	No
ProStar 70 WDG	Flutolanil	Bayer Environmental Science	432-1477	No
ProStar 70 WG	Flutolanil	Bayer Environmental Science	432-1223	No
ProStar 70 WP	Flutolanil	Bayer Environmental Science	432-1223	No
Protect DF	Mancozeb	Cleary Chemical Corporation	1001-77	No
Quadris	Azoxystrobin	Syngenta Crop Protection, Inc.	100-1098	No
Quali-Pro 85 WDG	Thiophanate-methyl	Makhteshim Agan of N. America, Inc.	66222-145	No
Quali-Pro Chlorothalonil 500 ZN	Chlorothalonil	FarmSaver.com, LLC	66222-150-73220	<b>Yes</b>
Quali-Pro Mefenoxam 2 AQ	Mefenoxam (Metalaxyl-m)	Makhteshim Agan of N. America, Inc.	70252-11-73220	No
Quali-Pro Propiconazole 14.3	Propiconazole	FarmSaver.com, LLC	66222-41-73220	No
Quali-Pro TM 4.5	Thiophanate-methyl	Makhteshim Agan of N. America, Inc.	48234-12-73220	No
Quali-Pro TM/C WDG	Chlorothalonil + Thiophanate-methyl	Makhteshim Agan of N. America, Inc.	48234-7-73220	<b>Yes</b>
Quanta	Phosphorous Acid	Helena Chemical Company	5905-566	No
Quilt Xcel	Azoxystrobin + Propiconazole	Syngenta Crop Protection, Inc.	100-1324	No
Rally 40WSP	Myclobutanil	Dow AgroSciences, LLC	62719-410	No
Rampart T&O	Phosphorous Acid	Loveland Products, Inc.	34704-924	No
Resist 57	Phosphorous Acid	Actagro, LLC	82940-1	No

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Rex Lime Sulfur Solution	Calcium Polysulfide (Lime Sulfur)	OR-CAL, Inc.	71096-6-7401	No
Root Shield HG	<i>Trichoderma harzianum</i> var. <i>Rifai</i> (strain KRL-AG2)	BioWorks, Inc.	68539-4	No
Rootshield TM Granules	<i>Trichoderma harzianum</i> var. <i>Rifai</i> (strain KRL-AG2)	BioWorks, Inc.	68539-3	No
Rootshield WP	<i>Trichoderma harzianum</i> var. <i>Rifai</i> (strain KRL-AG2)	BioWorks, Inc.	68539-7	No
RTSA horticultural oil	Horticultural Oil	Rainbow Treecare Scientific Advancements	74779-9	No
Rubigan A.S.	Fenarimol	Gowan Company	10163-274	No
Shar-Shield PPZ	Propiconazole	Sharda USA, LLC	83529-22	No
Sovran	Kresoxim-methyl	BASF Corporation	7969-154	Yes
Spectator T&O	Propiconazole	Lesco, Inc.	100-617-10404	No
Spectro 90WDG	Chlorothalonil + Thiophanate-methyl	Cleary Chemical Corporation	1001-72	Yes
Strike 50 WDG	Triadimefon	OHP, Inc.	432-1367-59807	No
Subdue GR	Mefenoxam (Metalaxyl-m)	Syngenta Crop Protection, Inc.	100-794	No
Subdue MAXX	Mefenoxam (Metalaxyl-m)	Syngenta Crop Protection, Inc.	100-796	No
Sulfur 6 L	Sulfur	Arysta LifeScience	66330-211	No
T-22TM HC	<i>Trichoderma harzianum</i> var. <i>Rifai</i> (strain KRL-AG2)	BioWorks, Inc.	68539-4	No
Terraguard 50W	Triflumizole	Chemtura Corp.	400-433	No
Terraguard SC	Triflumizole	Chemtura Corp.	400-521	No
Terrazole 35% WP	Etridiazole	Chemtura Corp.	400-416	No
Thiophanate Methyl 85 WDG	Thiophanate-methyl	Makhteshim Agan of N. America, Inc.	66222-145	No
T-Methyl 70W WSB	Thiophanate-methyl	Arysta LifeScience	66330-301	No
Topsin 4.5 FL	Thiophanate-methyl	United Phosphorus Inc.	73545-13-70506	No
Transom 4.5 F	Thiophanate-methyl	PROKoZ, Inc.	72112-2	No
Transom 50 WSB	Thiophanate-methyl	PROKoZ, Inc.	72112-1	No
Triact 70	Neem Oil	OHP, Inc.	70051-2-59807	No
Trilogy	Neem Oil	Certis USA, LLC	70051-2	No
Truban 25 EC	Etridiazole	Scott's-Sierra Crop Protection Co.	58185-8	No
Truban 30 WP	Etridiazole	Scott's-Sierra Crop Protection Co.	58185-7	No
Yellow Jacket Wettable Sulfur II	Sulfur	Georgia Gulf Sulfur Corp.	6325-13	No
Zyban WSB	Mancozeb + Thiophanate-methyl	Scott's-Sierra Crop Protection Co.	58185-31	No

\*PLEASE NOTE: The use of trade names does not constitute a guarantee or warranty of a product by the author, UMass extension or the University of Massachusetts. This list is meant to be thorough, but not all registered products are listed here. No endorsement of products is intended, nor is criticism of unnamed products implied.