

# Pesticides Registered for Use in Forest Nurseries

This table includes fungicides, fumigants, nematicides, miticides, and insecticides that were registered by the U.S. Environmental Protection Agency for use in forest nurseries at the time of publication. However, pesticide regulations in your State may prohibit the use of some of these federally registered materials. If you are unsure about which pesticides to use, contact your county extension agent, pesticide coordinator, or forest pest specialist.

Representative trade names (as indicated by an asterisk) are included along with the common names. This information is supplied with the understanding that no discrimination is intended and no endorsement is implied.

Federal and State regulations governing pesticides are constantly changing; the Forest Service can assume no liability for this information.

## Registered Pesticides

Pest Problem	Common name	Pesticide
		Representative trade name*
<i>Fungicides and fumigants</i>		
Anthracnose (hardwoods)	benomyl Bordeaux mixture dodine	Benlate* Bordeaux mixture Cyprex*
Brown spot needle blight	Bordeaux mixture chlorothalonil maneb	Bordeaux mixture Bravo 500*, Daconil* Manzate D*, Dithane M-22* and M-45*
Cercospora blight (junipers)	Bordeaux mixture	Bordeaux mixture
Cottonwood leaf rusts	benomyl	Benlate*
Cylindrocladium diseases	benomyl methyl bromide- chloropicrin	Benlate* Brom-O-Gas*, Terr-O-Gas*
Damping-off	methyl bromide- chloropicrin	Brom-O-Gas*, Terr-O-Gas*
Diplodia blight	benomyl Bordeaux mixture	Benlate* Bordeaux mixture
Dothistroma blight	Bordeaux mixture copper salts of fatty acids	Bordeaux mixture Citcop*

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### Registered Pesticides (continued)

Pest Problem	Common name	Pesticide
		Representative trade name*
<i>Fungicides and fumigants</i>		
Eastern white pine foliage blight	Bordeaux mixture chlorothalonil maneb	Bordeaux mixture Bravo 500*, Daconil* Manzate D*, Dithane H22*
	methyl bromide- chloropicrin	Brom-O-Gas*, Terr-O-Gas*
Fusarium hypocotyl rot	benomyl	Benlate*
Fusarium root rot	methyl bromide- chloropicrin	Brom-O-Gas*, Terr-O-Gas*
Fusiform rust	ferbam triadimefon ziram	Ferbam* Bayleton* Ziram*, Zerlate*
Gray mold	benomyl chlorothalonil DCNA or dicloran	Benlate* Bravo 500*, Daconil* Botran*, Allisan*
Honeysuckle blight	mancozeb	Dithane*
Larch needle cast	benomyl chlorothalonil maneb sulfur	Benlate* Bravo 500*, Daconil* Manzate D*, Lacco*
Leaf spots (general)	benomyl	Benlate*
Lophodermium needle blight	chlorothalonil maneb	Bravo 500*, Daconil* Manzate 200 flowable*, Dithane M-22* and M-45*
Phoma blight	chlorothalonil	Bravo 500*, Daconil*
Phomopsis canker (Douglas-fir)	benomyl	Benlate*
Phomopsis blight (juniper)	benomyl	Benlate*
Phytophthora root rot (walnut)	captafol metalaxyl	Difolatan* Ridomil*, Subdue*
Phytophthora root rot (conifers)	metalaxyl methyl bromide- chloropicrin	Ridomil*, Subdue* Brom-O-Gas*, Terr-O-Gas*

Registered Pesticides (continued)

Pest Problem	Common name	Pesticide
		Representative trade name*
<i>Fungicides and fumigants</i>		
Pitch canker (southern pines)	methyl bromide-chloropicrin	Brom-O-Gas*, Terr-O-Gas*
Poplar cankers	copper hydroxide	Kocide*, Comac*
Powdery mildews	lime sulfur maneb	Security* Lime Sulfur Manzate*, Dithane M-22*
	sulfur	Sul-Cide*
Pythium root rot	etridiazole or ethazol metalaxyl methyl bromide-chloropicrin propamacarb hydrochloride	Truban*  Ridomil*, Subdue* Brom-O-Gas*, Terr-O-Gas*
Rhizoctonia blight (of longleaf pine)	methyl bromide-chloropicrin	Brom-O-Gas*, Terr-O-Gas*
Rosellinia needle blight	chlorothalonil	Bravo*, Daconil*
Scleroderris canker	chlorothalonil	Bravo 500*
Seed fungi	benomyl captan thiram	Benlate* Orthocide* Thirasam*
Sirococcus shoot blight	chlorothalonil	Bravo 500*
Soil-borne pathogens, insects, and nematodes	methyl bromide-chloropicrin	Brom-O-Gas*, Terr-O-Gas*
Upper stem canker (Douglas-fir)	benomyl chlorothalonil	Benlate* Bravo 500*
<i>Insecticides, nematicides, and miticides</i>		
Aphids	dimethoate malathion	Cygon* Malathion*
Cottonwood borers	carbaryl chlorpyrifos diazinon	Sevin* Dursban* Spectracide*

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### Registered Pesticides (continued)

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<i>Insecticides, Nematicides, and miticides</i>		
Cottonwood leaf beetle	chlorpyrifos	Dursban 50W*
Cranberry girdler	chlorpyrifos	Dursban*
	diazinon	Spectracide*
Cutworms	chlorpyrifos	Dursban*
	diazinon	Spectracide*
	methyl bromide- chloropicrin	Brom-O-Gas*, Terr-O-Gas*
Lesser cornstalk borer	carbaryl	Sevin*
	carbofuran	Furadan*
	chlorpyrifos	Dursban*
	diazinon	Spectracide*
<i>Lygus</i> bugs	carbofuran	Furadan*
	dimethoate	Cygon*
	methoxychlor	Marlate*
	trichlorfon	Dylox*
Nematodes	methyl bromide- chloropicrin	Brom-O-Gas*, Terr-O-Gas*
Pine tip moths	azinphos-methyl	Guthion*
	diazinon	Spectracide*
	dimethoate	Cygon*
	malathion	Malathion*
	phorate	Phorate*, Thimet*
Seed and cone insects	azinphos-methyl	Guthion*
	carbofuran	Furadan*
	fenvalerate	Pydrin*
	permethrin	Ambush*, Pounce*
Sawflies	carbaryl	Sevin*
	malathion	Malathion*
Spider mites	demeton	Systox*
	dicofol	Kelthane*
	oxydemeton-m- ethyl	Metasystox-R*
	propargite	Omite*
Weevils	methyl bromide- chloropicrin	Brom-O-Gas*, Terr-O-Gas*

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Registered Pesticides (continued)

Pest Problem	Common name	Pesticide
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		<i>Insecticides, nematicides, and miticides</i>
White grubs	methyl bromide- chloropicrin	Brom-O-Gas*, Terr-O-Gas*
		<i>Animal damage control pesticides</i>
Rodents	zinc phosphide	
Birds	thiram	

\* An asterisk indicates the registered trade name of a representative product containing the active ingredient identified by common name in the previous column.