Commonly Available Pesticides for Trees and Shrubs - 2026

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The chemicals (active ingredients) and their product trade names are those that are most commonly available in South Dakota and the inclusion of any trade name associated with a chemical shall not be taken as an endorsement nor the exclusion of any trade name as a criticism regarding effectiveness. Not all products listed for a chemical are equally effective for a specific pest. Refer to the label to determine whether a product can be used in a specific situation. Bold trade names are products used by commercial applicators. Read and follow all label instructions. The label is the final authority for a product's use on a pest or plant.

Key	Application Method
(FS)	Foliage sprayed.
(IN)	Injected into the lower trunk/root flare of the tree.
(SO)	Soil application either as soil drench or injection depending on label.
(TS)	Trunk spray, the height dependent on the insect to be managed.
(TS-B)	The lower 3-8 feet of the trunk sprayed, height on label instructions.

Insecticides

Chemical name	Trade name
Acephate	Bonide Systemic Insect Control (FS)
	Lepitect (SO)
Azadirachtin	Bonide Captain Jack's Neem Oil (FS)
	Safer Brand Neem Oil (FS)
	AzaSol (IN, FS)
Bifenthrin	Hi-Yield Bug Blaster (FS, TS)
	BiFen XTS (TS)
	Onyx Pro (TS)
Carbaryl	Garden Tech Sevin (FS)
	Carbaryl 4L (TS)
	Sevin SL (TS)
	Sevin XLR (TS)
Chlorantraniliprole	**Acelepryn** (FS, SO, TS)
Dinotefuran	**Safari** (FS, SO)
	Transtect (SO, TS-B)
	Zylam Liquid Systemic Insecticide (SO, TS-B)
Dormant oil[1]	Gordon's Dormant Oil Spray (FS)
Emamectin Benozate	**ArborMectin** (IN)
	Boxer (IN)
	Mectinite (IN)
	Tree-Age (IN)
	TreeMec (IN)

Chemical name	Trade name
Horticultural oil[1]	Ferti-Lome Horticultural Oil (FS)
	RTSA Horticultural Oil (FS)
Imidacloprid[2]	BioAdvanced Tree and Shrub Insect Control (SO)
	Ferti-lome Tree and Shrub Drench (SO)
	IMA-Jet (IN)
	Imicide (IN)
	Merit (SO)
	Pointer (IN)
	Xytect (SO)
Insecticidal soap	Bonide Insecticidal Soap (FS)
	Ferti-Lome Insecticidal Soap (FS)
	Garden Safe Insecticidal Soap (FS)
Malathion	Bonide Malathion (FS)
	Gordon's Malathion (FS)
	Hi-Yield Malathion (FS)
Permethrin	Astro (TS)
	Hi-Yield Lawn, Garden, Pet & Livestock Insect (TS)
	Tengard (FS)
Pyriproxyfen	**Distance** (FS)
Spinosad	Bonide Captain Jack's Dead Bug Brew (FS)
	Ferti-Lome Spinosad (FS)
	Ortho Insect Killer Tree & Shrub Concentrate (FS)
	Conserve (FS)
Tau-Fluvalinate	BayerAdvanced Insect, Disease & Mite Control[3] (FS)

Miticides [4]

Chemical name	Trade Names
Abamectin	**Aracinate** (IN)
	Abamectin Select (FS, IN)
Bifenazate	**Bifenamite** (FS)
Hexythiazox	**Hexygon** (FS)
Spiromesifen	**Forbid** (FS)
Tau-Fluvalinate	BayerAdvanced Insect, Disease & Mite Control[3] (FS)

Fungicides

Chemical name	Trade Names
Captan	Bonide Captan (FS)
	Hi-Yield Captan (FS)
Chlorothalonil	Bonide Fung-onil (FS)
	Garden Tech Daconil (FS)
	Pegasus (FS)
Copper	Bonide Copper Fungicide (FS)
	Ferti-Lome Copper Soap Fungicide (FS)
Mancozeb	Bonide mancozeb
	Junction[5] (FS)
	Manzate (FS)
Myclobutanil	Spectracide Immunox Fungicide Spray (FS)
	Myclotect (FS)
Propiconazole	Ferti-Lome Liquid Systemic Fungicide (FS)
	Alamo (IN)
	Shepherd (IN)
	Propizol (IN)
	Quali-Pro Propiconazole (IN)
	Cambistat as a growth regulator (SO)
Tebuconazole	BayerAdvanced Insect, Disease & Mite Control[3] (FS)
Thiabendazole	**Arbortect 20-S** (IN)
Thiophanate-Methyl	**Cleary 3336 F** (FS)
	Topsin-M (FS)
Trifloxystrobin	**Compass** (FS)

Bactericide

Chemical name	Trade Names
Oxytetracycline	**Arbor-OTC** (IN)
	Bacastat (IN)

Nematicide

Chemical name	Trade Names
Abamectin	**Abamectin** (IN)
	Aracinate (IN)

[1] May remove the blue coloration from a Colorado spruce.

[2] Many Imidacloprid labels prohibit application to basswood and other linden trees as their flowers are attractive to bees and other pollinators.

[3] Contains Imidacloprid, Tebuconazole and Tau-Fluvalinate.

[4] There are many other products labelled for mites, but they are for suppression.

[5] Contains mancozeb and copper.