

**LANDSCAPE INSECTICIDES AND MITICIDES**

PRODUCT	U/M	DESCRIPTION	RATE
<b>Acelepryn</b>	64 oz.	<u>Contains 18.4% chlorantraniliprole.</u> Controls leaf feeding caterpillars, aphids, lace bug, birch leafminer, clearwing borers and white grubs.	<u>Foliar:</u> 1 - 16 oz / 100 gal. <u>Drench:</u> 0.0625 oz to 0.25 oz per inch DBH
<b>Arena 50 WDG</b>	40 oz.	<u>Contains 50% Clothianidin.</u> Controls Aphids, Mealybugs, Whiteflies, White Grubs, Leafhoppers, Apple Maggot, Leafminers, Soft Scales, Leafrollers, Oriental Fruit Moth. Labeled for outdoor landscapes, interior plantscapes, & residential fruit trees. Labeled as a drench or foliar spray.	.63 – 3 oz./ 100 gal
<b>Avid .15 EC</b>	1 gal.	<u>Contains 2% Abamectin.</u> For control of leafminer & mites including Two-Spotted Spider, Spruce Spider, Tarsonemid, and Eriophyid Mites.	4 – 8 oz./100 gal.
<b>Avalon</b>	1 gal.	<u>Contains 7.9% bifenthrin.</u> Pyrethroid for broad spectrum insect control for use around residential and commercial properties. Not restricted use. Primarily controls leaf feeding insects.	.125 – 1.0 oz./ 100 gal.
<b>Conserve SC</b>	1 Quart	<u>Contains 11.6% spinosad.</u> Provides excellent control of Lepidopterous Pests, Sawflies, Leafminers and Elm Leaf Beetle. Research shows good safety to ornamental plants and beneficial insects. Labeled for use on many fruits & vegetables.	6 – 22 oz./ 100 gal.
<b>Distance IGR</b>	1 Quart	<u>Contains 11.23% pyriproxyfen.</u> Insect growth regulator. Controls: scale in woody ornamentals. Translaminar movement in foliage controls insects and suppresses egg hatch. Fits well with IPM to manage insect resistance.	6 – 12 oz/ 100 gal.
<b>Forbid 4F</b>	8 oz.	<u>Contains 45.2% spiromesifen.</u> A new chemistry with a unique mode of action to control all life stages of most mite species. Longest mite control available.	1.4 – 4 oz. / 100 gal.
<b>Floramite</b>	Quart	<u>Contains 22.6% bifenazate.</u> Rapid knockdown and long residual control of Two-Spotted Spider Mite, European Red Mite, Spruce Spider Mite and others. Shows excellent safety to beneficial/predatory mites.	2 – 4 oz./ 100 gal.
<b>Hexygon DF</b>	6 oz.	<u>Contains 50% hexythiazox.</u> A highly selective miticide with ovicidal/larvicidal activity on Tetranychid Mites including Two-Spotted and European Red Mites.	1 – 2 oz./ 100 gal.
<b>Lucid</b>	Quart 10/case	<u>Contains 2% abamectin.</u> Ornamental pest control of Mites and Leafminers. Suppresses: Aphids, Thrips and Whiteflies.	4 – 8 oz./ 100 gal.
<b>Mavrik</b>	1 gal	<u>Contains 22.3% tau-fuvalinate.</u> Broad spectrum pyrethroid controls Aphids, Thrips, Mites, Whiteflies, Caterpillars, Elf Leaf Beetle, Leafhoppers and Black Vine Weevils. Fits well into an IPM program.	4 – 10 oz./ 100 gal.
<b>Meridian 25 WG</b>	17 oz.	<u>Contains 25.0% thiomethoam.</u> Neonicotinoid controls a host of ornamental pests including: Aphids, Lacebugs, Leaf Beetles, Tent Caterpillars, Adelgids, Soft Scales.	2 – 8.5 oz./ 100 gal.
<b>Merit 2F</b>	1 gal	<u>Contains 21.4% Imidicloprid.</u> Broad spectrum control of most insects except caterpillars, soft scale, and round-headed borers. Foliar spray rate is 1.5 oz/100g. As a drench or roots zone injection apply 0.1 to 0.2 oz/inch DBH or shrub height. For Trees with greater than 15 inch DBH, borer control rates as high as 0.4 oz/inch DBH are permitted.	See product description.
<b>Onyx</b>	1 Quart	<u>Contains 23.4% Bifenthrin.</u> Higher concentration EC Formulation of Bifenthrin mainly used as a trunk spray for borer control	2.6 – 12.8 oz./ 100 gal.
<b>Orthene WSP</b>	3 x .33 lb. 12/case	<u>Contains 75% acephate.</u> Broad spectrum control of leaf feeding insects & Pine Tip Moth Larvae.	.33 – 1 lb./100 gal.

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<b>Provaunt</b>	10 oz.	Contains <u>20% indoxacarb</u> . Water dispersible granular controls numerous lepidopterous larvae including: Armyworms, Cutworms, Tent Caterpillars, Bagworms, Gypsy Moth, European Cranefly and more.	1.25 – 5 oz./100 gal.
<b>Safari 20 SG</b>	3 lb.	Contains <u>20% dinotefuran</u> . Neonicotinoid with excellent control of Adelgid, Lacebug, Psyllid, Scale, Whiteflies, adult Japanese beetles. Labeled for use on indoor and outdoor ornamentals, in greenhouse, nursery and landscape plants. Foliar spray or basal drench. Low use rates. Labeled for control of armored scale & round-headed borers.	<u>Spray:</u> 4–8 oz./100 gal. <u>Drench:</u> 12–24 oz./100 gal. See label.
<b>Scimitar CS</b>	16 oz.	Contains <u>9.7% lambda-cyhalothrin</u> . Pyrethroid based insecticide for broad spectrum control of ornamental and turf pests.	1.5 – 5 oz./100 gal.
<b>Sevin SL</b>	2.5 gal.	Contains <u>43% carbaryl</u> . Controls a wide spectrum of insects including: Ants, Birch Leaf Miner, Bagworm, Boxelder Bug, Gall Wasps, Holly Leaf Miner, Eriophyid Mites, Japanese Beetle, Sawflies and Bark Beetles.	24 – 32 oz./100 gal. 2.5 oz./1 gal. for Bark Beetle
<b>Tempo SC Ultra</b>	240 ml. 12/case	Contains <u>11.8% b-cyfluthrin</u> . Synthetic pyrethroid controls a wide spectrum of pests including: Caterpillars, Lacebug, Sawfly Larvae, Boxelder Bugs Scale and others. Fits well into an IPM program.	1.5 – 5.4 oz./100 gal.
<b>Tengard (Permethrin)</b>	1.25 gal	Contains <u>36.8% permethrin</u> . Compare to Astro. Broad spectrum horticultural control of Ants, Aphids, Bagworms, Leafminers, Lace Bugs, Beetles, and Borers. An excellent replacement for chlorpyrifos products. Rate for bark borers: 32 - 64 oz./100 gal.	4–8 oz./100 gal.
<b>Zylam</b>	32 oz	Contains <u>10% dinotefuran</u> . A liquid formulation of dinotefuran, Zylam® Liquid Systemic Insecticide provides exceptional control of a broad spectrum of listed chewing and sucking insects. Used as a drench, soil injection, or bark banding application, Zylam Liquid features translaminar activity to quickly move through the leaf and control insects that hide on the underside of leaf surfaces.	<u>Spray:</u> 7.25 - 16 oz / 100 gl <u>Bark banding:</u> 0.25 - 0.51 oz/inchDBH <u>Drench:</u> 0.18 - 0.4 oz / 1 ft shrub height
<b>BT, SOAPS AND OILS</b>			
<b>DiPel Pro DF</b>	1 lb.	Contains <u>54% Bacillus thuringiensis var. kurstaki</u> . Dry formulation. Effective for a wide range of caterpillar pests. Labeled for organic production.	¼ lb. – 1 lb./ 100 gal.
<b>M-Pede Soap</b>	2.5 gal.	Contains <u>49% Potassium salts of fatty acids</u> . An insecticidal soap, M-Pede is soft on the environment but tough on bugs. Controls Mites, Aphids, Whiteflies, Leaf Rollers and Powdery Mildew. OMRI Listed.	1 qt. – 2 gal./100 gal.
<b>Purespray 10E Spray Oil</b>	2.5 gal. 55 gal.	Contains <u>99.9% pure grade of miscible oils</u> . Controls of horticultural pests such as mites, scale, aphids, adelgids, plant bug, sawfy & webworms.	0.8 – 3.1 gal./ 100gal
<b>Purespray Green Spray Oil</b>	2.5 gal. 30 gal	Contains <u>98% Ultra pure mineral oil</u> . Clear, no aromatic toxins, OMRI approved and is listed as a group 3 (chemicals of least concern) on EPA tolerance list. A highly refined horticultural oil, safe for summer sprays and preferred choice for horticulturists when the weather is warm.	0.75 – 2 gal./ 100 gal.

