





### SUGGESTED SPRAY SCHEDULE FOR HOME GARDEN PLUMS AND PRUNES 2019

Growth Stage	Description	Target Information	Chemical Sprays	Important
<b>Dormant/ Delayed Dormant</b>	Before buds swell, in late winter just as buds begin to show first green.	Coryneum blight (shot hole), bacterial canker, leaf curl. ➤ <b>When daytime temperatures reach 40-45 F.</b>	➤ Bordeaux mixture; Copper (Ex. Soap-Shield Flowable Liquid Copper Fungicide [Organic]); Sulfur (Ex. Hi-Yield Snake Eyes Dusting Wettable Sulfur); Chlorothalonil (Ex. Bonide Fung-onil Multi-purpose Fungicide Conc.).	An important stage for pest control.  Finish spraying by noon to insure good dry time.
		Overwintering scales, aphids, mites, peach twig borer ➤ <b>When daytime temperature is between 45 – 55 F, with no frost forecast overnight.</b>	➤ Superior type petroleum horticultural oils. Dormant horticultural oils (Ex. Bonide, Ortho, All Seasons, Hi-Yield)	
<b>Pre bloom</b> 	Buds show color, but before flower opens.	Hatching insect pests: ➤ Aphid	➤ Insecticidal soap (Ex. Safer Brand Insect Killing Soap Conc II); Azadirachtin (Ex. Azamax Botanical Insecticide, Miticide, & Nematicide [Organic])	Plant bugs and stink bugs feed on swelling fruit and leaf buds causing buds to dry up.  Repeat spray applications may be necessary in warm weather.  See spray timing on label.
		➤ Stink bug/lygus bug	➤ Azadirachtin (Ex. Safer Brand BioNEEM Multi-Purpose Insecticide & Repellent Conc [Organic])	
		➤ Scale	➤ Superior type petroleum horticultural oils (Ex. R-T-U Year-Round Spray Oil)	
		➤ Peach twig borer	➤ Spinosad (Ex. Bonide Capt. Jack's Deadbug Brew); Pyrethrins (Ex. Bug Buster-O [Organic])	
		➤ Shot hole (Coryneum blight) ➤ Brown rot ➤ Powdery mildew	➤ Myclobutanil (Ex. Spectricide Immunox); 6 Chlorothalonil (Ex. Bonide Fung-onil Multi-purpose Fungicide Conc.); Sulfur (Ex. Hi-Yield Snake Eyes Dusting Wettable Sulfur)	
		➤ Caterpillars	➤ Spinosad (Ex. Bull's-Eye Bioinsecticide)	
<b>Bloom</b>	Flowers are open	<b>Don't apply insecticides around blooming flowers. Apply at night, if necessary.</b>		

<p><b>Petal Fall or Shuck</b></p> 	<p>Just as dead flowers fall away from young fruit.</p>	<p>Fungal problems:</p> <ul style="list-style-type: none"> <li>➤ Brown rot, powdery mildew, Coryneum blight</li> </ul> <hr style="border-top: 1px dashed black;"/> <p>Insect pest problems:</p> <ul style="list-style-type: none"> <li>➤ Aphid, plant bugs, stink bugs</li> </ul> <hr style="border-top: 1px dashed black;"/> <p>Feeding caterpillars:</p> <p>peach twig borer, leaf roller, etc.</p>	<ul style="list-style-type: none"> <li>➤ See 'Pre bloom' above</li> </ul> <hr style="border-top: 1px dashed black;"/> <ul style="list-style-type: none"> <li>➤ See 'Pre bloom' above</li> </ul> <hr style="border-top: 1px dashed black;"/> <ul style="list-style-type: none"> <li>➤ See 'Pre bloom' above</li> </ul>	<p>An important time for managing pest problems.</p> <p><i>Make sure spray covers top and bottom of leaves.</i></p>
<p><b>Summer</b></p>	<p>Warm weather</p>	<p><b>Peach Tree Borer – major pest</b></p> <ul style="list-style-type: none"> <li>➤ <b>Alternative control for Peach tree borer:</b> Wrap trunk with spun polyester garden blanket, burying the bottom edge at least 4 inches into soil.</li> </ul> <hr style="border-top: 1px dashed black;"/> <ul style="list-style-type: none"> <li>➤ *Spotted winged Drosophila</li> </ul>	<ul style="list-style-type: none"> <li>➤ Pyrethrins (Ex. Bug Buster-O [Organic])</li> </ul> <hr style="border-top: 1px dashed black;"/> <ul style="list-style-type: none"> <li>➤ Spinosad (Ex. Monterey Garden Insect Spray); Esfenvalerate (Ex. Monterey Bug Buster II)</li> </ul>	<p><i>Toxic to bees – do not apply around blooming plants.</i></p> <p><b>* New summer pest!</b></p>
<p><b>Fall</b></p>	<p><b>Prevention of Coryneum blight (shothole), bacterial canker and leaf curl.</b></p> <ul style="list-style-type: none"> <li>◆ Prior to rainy weather, usually October, apply copper or sulfur based fungicide or chlorothalonil as suggested in “Dormant” section.</li> </ul>			
<p><b>Additional Information</b></p>	<ul style="list-style-type: none"> <li>◆ <b>CAUTION – Read this guide carefully. Read the product label directions carefully. Read and follow all label directions for responsible use of any pesticide.</b></li> <li>◆ <b>Aphids</b> – Seldom build up to damaging levels in home garden fruit trees. Wash them off with a stream of water from the hose, you rarely have to spray.</li> <li>◆ <b>Pesticide resistance</b> – Vary products during the season and in following seasons to minimize pest resistance.</li> <li>◆ <b>Too much fruit to handle</b> – <i>Cut down tree and purchase quality fruit for use. Help commercial orchards by maintaining good care and pest management practices for your desired fruit trees!!!</i></li> <li>◆ <b>Further information</b> – Contact WSU Chelan County Extension at (509) 667-6540 or our website at <a href="https://extension.wsu.edu/chelan-douglas/gardening/mg/">https://extension.wsu.edu/chelan-douglas/gardening/mg/</a></li> <li>◆ <b>Trade name disclaimer</b> – Use of trade names are for example purposes only. No endorsement is intended. Other appropriately labeled products containing similar active ingredients should provide similar levels of control.</li> </ul>			