





### SUGGESTED SPRAY SCHEDULE FOR HOME GARDEN CHERRIES

Growth Stage	Description	Target Information	Chemical Sprays	Important
<b>Dormant</b> 	Before buds show any activity in late winter	For Coryneum blight (Shothole), bacterial gummosis ➤ <b>When daytime temperatures reach 40 – 45 F.</b> Finish spraying by noon to insure good dry time.	➤ Copper spray (Lilly Miller Microcop fungicide); Chlorothalonil (Maxide Multi-Purpose Fungicide, Ortho Daconil 2787).	General purpose fungicide. When used as dormant spray, it can burn young leaf tissues.
<b>Delayed-Dormant</b> 	In late winter, just as buds begin to show first green tissue.	Overwintering scales, aphids and mites. ➤ <b>When daytime temperature is between 45 – 55 F, with no frost forecast overnight.</b> Finish spraying by noon to insure good dry time.	➤ Superior type petroleum horticultural oils May mix with lime-sulfur. Products available under a variety of labels. Follow directions on label carefully to avoid plant damage.	This is the most important stage and chemical spray for pest control. Spray to completely wet the tree.
<b>Bloom</b>	When flowers are open.	<b>Avoid pesticide application during bloom to protect honeybees.</b>		
<b>Petal Fall or Shuck</b>	Just as dead flowers fall away from young fruit.	A critical management time for: ➤ Powdery mildew ➤ Shot hole ➤ Aphids ➤ Mites ➤ Feeding caterpillars	➤ Lime sulfur (Bonide Lime Sulfur Spray) ➤ Wettable sulfur (Safer's Garden Fungicide, Cooke Sulfur) ➤ Insecticidal soaps (Safer's, Concern); <i>Beauveria bassiana</i> (Mycotrol/Botanigard ES/22WP); azadirachtin (neem oil); Malathion ➤ Insecticidal soaps; <i>Beauveria</i> ➤ Spinosad (Entrust 80W, Monterey Garden Insect Spray Easy-to-Use); <i>Bacillus thuringiensis</i> (Dipel Pro)	This is a critical time for managing pest problems.  <i>For aphids wet tree completely.</i>  <i>Make sure spray covers top and bottom of leaves.</i>

<p><b>Late Spring &amp; Summer</b></p>	<p><b>Cherry fruit fly</b> preventative sprays should be started when cherries turn from light green to yellow green.</p>	<p>Critical time to manage          ➤ <b>Cherry fruit fly.</b></p> <p><i><b>Cherry Fruit Fly:</b> a fly with black banding on clear wings. Inserts eggs under fruit skin. Eggs hatch, resulting in maggots present in fruit at harvest.</i></p> <p><i><b>Maggot-infested fruit is unacceptable, not only for home use, but can spread to nearby orchards.</b></i></p>	<ul style="list-style-type: none"> <li>➤ <b>GF-120 NF Naturalyte Fruit Fly Bait</b> <ul style="list-style-type: none"> <li>• Special formulation for selective attraction and control of cherry fruit fly. <b>Very effective.</b></li> </ul> </li> <li>➤ Malathion EC</li> <li>➤ Spinosad (Entrust 80W, Monterey Garden Insect Spray Easy-to-Use)</li> </ul>	<p><b>Cherry fruit fly is a major pest of cherries.</b> It is present mid-May to the last of July.</p> <p><b>A single fruit fly maggot</b> in commercial cherry grower's fruit is very serious.</p>
<p><b>Fall</b></p>	<p><b>Left over fruit:</b> Remove remaining fruit from the tree, seal in black garbage bags. Leave in sun for two weeks to kill larvae.</p> <ul style="list-style-type: none"> <li>➤ <b>If any fruit is left on the tree it must be sprayed for 4 weeks after normal harvest time.</b></li> </ul> <p>Prevention of coryneum blight (shothole) and bacterial gummosis.</p> <ul style="list-style-type: none"> <li>➤ Prior to rainy weather, usually October, apply copper spray 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 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="http://www.ncw.wsu.edu">www.ncw.wsu.edu</a></li> <li>◆ <b>Trade name disclaimer</b> – Use of trade names are for example purposes only. No endorsement is intended.</li> </ul>			