

FRUIT TREE AND GRAPE DISEASE AND INSECT PREVENTION SCHEDULE

- A.) Regular watering and fertilizing will help prevent disease. Always read the chemical label and follow manufacturers' directions.
- B.) Use dormant SPRAY (copper) when sun is shining. Drench the tree until it is blue/green with copper. If it rains within two days of spraying, it is best to do it again. Use Dormant OIL only when temperatures are above freezing.
- C.) Dormant oil is used to smother over-wintering insects and their eggs, and is also referred to as Horticultural oil.
- D.) Copper is used in the winter as a fungus preventative or in the spring & summer as a fungal curative.
- E.) Paint the tree trunks with a white flat latex indoor paint diluted with 50% water, or Tree Trunk White Paint to prevent sunburn and to repel borers.

SPRAY TIMES MAY VARY DEPENDING ON YOUR ELEVATION

<u>MONTH</u>	<u>APPLES</u>	<u>CITRUS</u>	<u>STONE FRUITS</u>	<u>GRAPES</u>	<u>PEARS</u>
<u>NOVEMBER</u>	1st Dormant spray around Thanksgiving. Use Dormant Oil and Copper Liqui-Cop at least once during dormancy. It is ok to spray when the tree still has leaves. Clean up any and all leaves that have fallen and spray the ground as well. Diseases and insects like to live in old debris	Spray Monterey Horticulture Oil (mixed per growing season rate) to trunk, laterals and bottom of leaves to smother any insects that may overwinter.	1st Dormant spray around Thanksgiving. It is ok to spray if the trees still has leaves. Use Monterey Hort Oil and <u>Monterey Liquid Copper</u> at least once during dormancy. If leaf curl was present the previous year, apply a 2nd and 3rd copper spray in December and February. Clean fallen debris under trees.	1st Dormant spray around Thanksgiving. OK to spray if plant still has leaves. Use Monterey Hort Oil and Monterey Liquid dormancy. Clean fallen debris from under vines to rid the area of winter homes for pests and diseases.	1st Dormant spray around Thanksgiving. It is ok to spray when the tree still has leaves. Use Monterey hort Oil and Monterey Liquid Copper at least once during dormancy. <u>DO NOT USE DORMANT OIL ON ASIAN PEARS.</u> Clean up any and all leaves that have fallen and spray the ground as well. Diseases and insects like to live in old debris.
<u>DECEMBER</u> <u>JANUARY</u>	2nd Dormant Spray - around Christmas. See November.		2nd Dormant Spray - around Christmas. See November.	Dormant spray if not applied in November	2nd Dormant Spray - around Christmas. See November.
<u>FEBRUARY</u> <u>MARCH</u>	3rd Dormant Spray-around Valentine's Day or sooner- <u>Spray just before buds open.</u> If buds are showing a small amount of color it is ok. Use <i>Monterey Organic Complete Disease Control</i> prior to or at first sign of Scab or Fungal Disease. Repeat every 7 days. Clean up any debris. Fire blight prevention (thru March), begin spraying with <i>Copper</i> or <i>Monterey Complete Disease Control</i> as flowers begin to open. Repeat every 7 days during bloom at growing season strength.		3rd Dormant Spray-around Valentine's Day or sooner. <u>Spray just before buds break open.</u> If buds are showing a small amount of color it is ok. In <u>MARCH</u> - Do a foliar spray of <i>Monterey Organic Complete Disease Control</i> and Seaweed Kelp Extract every 14 days to help prevent Peach Leaf Curl. <u>Shot-hole Fungus</u> - Apply Monterey Complete Disease Control. 1-2 weeks after petal drop.	Dormant spray if not applied in November. Use <i>Monterey Organic Complete Disease Control</i> prior to or at first sign of Powdery Mildew/Fungal disease. Repeat every 7 days. Can be applied up to day of harvest. Clean up wintered over debris	3rd Spray-around Valentine's or sooner. <u>Spray before buds open</u> . If buds are showing a small amount of color it is OK. Add Monterey Take down or Monterey Fruit Tree Spray Plus to last dormant spray as a preventative for aphids and peach twig borer. Fire blight prevention (thru March), begin spraying with copper or <i>Monterey Organic Complete Disease Control</i> as flowers begin to open. Repeat every 7 days during bloom at growing season strength.

<u>MONTH</u>	<u>APPLES</u>	<u>CITRUS</u>	<u>STONE FRUITS</u>	<u>GRAPES</u>	<u>PEARS</u>
<u>APRIL</u>	<p>1.) Set out Codling Moth Traps at the 1st of the month. Check traps daily. Spray <i>Capt. Jack's</i>, or <i>Monterey Take Down</i> once per week after catching the first flight of moths. Repeat procedure thru July 15th.</p> <p>2.) If apple scab was present the preceding year, spray with Wettable Sulfur Dust or Monterey Fruit Tree Spray Plus at the first 4" of new growth.</p> <p>3.) As a preventative for borers spray with <i>Capt Jack's Spinosad</i> on the trunk and branches till it is dripping in late April and again 2 weeks later.</p>	<p>Spray Monterey Horticulture or Neem Oil to trunk, laterals and bottom of leaves to smother any insects and eggs. Use "Growing season rate"</p>	<p>-As a preventative for borers spray with <i>Capt. Jack's Spinosad</i> on the trunk and branches in late April and again 4 weeks later. <u>Stone fruits are very susceptible to borers.</u></p> <p>Do a foliar spray of <i>Monterey Organic Complete Disease Control</i> mixed with seaweed kelp extract and spray as a preventative. Curative rates can be applied during growing season after peach leaf curl appears.</p>	<p>-As a preventative for powdery mildew, spray or dust with sulfur, or use Monterey Fruit Tree Spray Plus at every new 6" of growth in Spring. Other products you can use are Monterey Organic Complete Disease Control per manufacturer's instructions.</p>	<p>-As a preventative for borers spray with <i>Capt. Jack's Spinosad</i> on the trunk and branches in late April and again 4 weeks later. Set out Codling Moth Traps at the 1st of the month. Check traps daily. Spray <i>Capt. Jack's</i> or <i>Monterey Take Down</i>, once per week after catching the first flight of moths. Repeat procedure thru July 15th</p>
<u>MAY</u>	<p>1.) Check Codling Moth Traps at the 1st of the month. Check traps daily. Apply <i>Monterey Take Down</i>, once per week after catching the first flight of moths. Repeat procedure thru July 15th.</p> <p>2.) As a preventative for borers spray with <i>Capt. Jack's Spinosad liquid or dust</i> on the trunk and branches in late April and again 4 weeks later.</p>	<p>For aphids, scale, and spider mites, use <i>Monterey Fruit Tree Spray Plus</i>.</p>	<p>-As a preventative for borers spray <i>Capt. Jack's Spinosad</i> on the trunk and branches in late April and again 4 weeks later. <u>Stone fruits are very susceptible to borers.</u></p>		<p>-As a preventative for borers spray with <i>Capt. Jack's Spinosad</i> on the trunk and branches in late April and again 4 weeks later.</p>
<u>JUNE , JULY AUGUST, SEPTEMBER AND OCTOBER</u>	<p>-Spray for aphids or other insects as needed with <i>Monterey Take Down</i> or <i>Monterey Fruit Tree Spray Plus</i>. Apply <i>Tanglefoot</i> to prevent ants from herding aphids. Keep debris from collecting on ground which harbors (hides) insects and disease.</p>	<p>For aphids, scale, or spider mites use Horticultural Oil. Apply in early morn. or late evening when current temp is below 85. Can be applied every 10 days. Or <i>Monterey Fruit Tree Spray Plus</i> per label instructions. If they persist use H2O at a vigorous spray to wash them off foliage. If dusty conditions and sooty molds appear, thin the tree.</p>	<p>Spray for aphids or other insects as needed with <i>Monterey Take Down</i> or <i>Monterey Fruit Tree Spray Plus</i>. Apply <i>Tanglefoot</i> to prevent ants from herding aphids Keep debris from collecting on ground which harbors (hides) insects and disease.</p>	<p>-Spray for aphids or other insects as needed with <i>Take Down</i> or <i>Monterey Fruit Tree Spray Plus</i>. Apply <i>tanglefoot</i> to prevent ants from herding aphids Keep debris from collecting on ground which harbors (hides) insects and disease.</p>	<p>-Spray for aphids or other insects as needed with <i>Monterey Take Down</i> or <i>Monterey Fruit Tree Spray Plus</i>. Apply <i>tanglefoot</i> to prevent ants from herding aphids Keep debris from collecting on ground which harbors (hides) insects and disease.</p>