

Home Gardens Fruit and Nut Trees

Table 1. Fungicides available for disease management for home fruit and nut production

Product Name	Comments
<p>calcium polysulfides Type of fungicide: Contact Crops: Most fruits; do not use on apricots Diseases controlled: Anthracnose, brown rot, leaf curl, leaf spot, mummy berry, powdery mildew, rust, scab and shot hole</p>	
<p>Hi-Yield Improved Lime Sulfur Spray</p>	<p>- Highly toxic - Do not apply when temperatures exceed 85°F. - Do not apply with oil or near the time of an oil application.</p>
<p>captan Type of fungicide: Contact Crops: Apples, apricots, blueberries, cherries, grapes, nectarines, peaches, plums and strawberries Diseases controlled: Bitter rot, black rot, Botrytis rot, brown rot, cedar-apple rust, downy mildew, fly-speck, frog-eye, fruit rots and spots, leaf spots, mummy berry, quince rust, scab and sooty blotch</p>	
<p>Bonide Captan 50WP Hi-Yield Captan 50W Fungicide SA-50 Home and Garden Captan Fungicide</p>	<p>-Bonide Captan 50WP can be used on Blackberries for anthracnose and Botrytis gray mold.</p>
<p>captan + insecticides Type of fungicide: Contact Crops: Apples, apricots, cherries, grapes, nectarines, peaches, plums and strawberries Diseases controlled: Bitter rot, black rot, Botrytis rot, brown rot, cedar-apple rust, downy mildew, fly-speck, frog-eye, fruit rots and spots, leaf spots, quince rust, scab and sooty blotch</p>	
<p>Bonide A Complete Fruit Tree Spray Concentrate Gordon's Liquid Fruit Tree Spray Martin's Rescue One Spray Protection</p>	
<p>chlorothalonil Type of fungicide: Contact Crops: Apricots, blueberries, cherries, nectarines, peaches, plums and prunes Diseases Controlled: Anthracnose, brown rot (blossom and twig blights), cherry leaf spot, leaf curl, mummy berry, scab and shot hole</p>	
<p>Bonide Fung-onil Multi-purpose Fungicide¹ Ferti-lome Broad Spectrum Landscape and Garden Fungicide¹ GardenTech Daconil Fungicide¹ Gordon's Multi-Purpose Fungicide Hi-Yield Vegetable, Flower, Fruit and Ornamental Fungicide Ortho Max Garden Disease Control Concentrate</p>	<p>- Do not apply after shuck split or before harvest on stone fruits. - Do not apply after early bloom on blueberries.</p>
<p>copper Type of fungicide: Contact Crops: Apples, apricots, berries, cherries, citrus, grapes, nectarines, peaches, pears, pecans, plums, prunes, quince and strawberries Diseases controlled: Angular leaf spot, anthracnose, bacterial canker, bacterial leaf spot, bitter rot, black rot, blotch, brown rot, cane cankers, cedar-apple rust, downy mildew, fire blight, fruit spots, gray mold, leaf blights, leaf curl, leaf scorch, leaf spot, melanose, powdery mildew, quince rust, leaf curl, scab and shot hole</p>	
<p>Bonide Copper Spray or Dust Bonide Liquid Copper Fungicide¹ Concern Copper Soap Fungicide Gordon's Bordeaux Mixture Hi-Yield Bordeaux Mix Fungicide Hi-Yield Copper Fungicide Lilly Miller Cueva Copper Soap Fungicide Natural Guard Copper Soap Liquid Fungicide¹</p>	<p>- Can be used for organic gardening. - Do not mix with liquid fertilizers. - Do not use in spray solutions with a pH of less than 6.5. - May cause staining of masonry, concrete, etc.</p>

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Product Name	Comments
SA-50 Southern Ag Liquid Copper Fungicide	
<p>copper + insecticides Type of fungicide: Contact Crops: Apples, apricots, berries, cherries, citrus, grapes, nectarines, peaches, pears, pecans, plums, prunes, quince and strawberries Diseases controlled: Angular leaf spot, anthracnose, bacterial canker, bacterial leaf spot, bitter rot, black rot, blotch, brown rot, cane cankers, cedar-apple rust, downy mildew, fire blight, fruit spots, gray mold, leaf blights, leaf curl, leaf scorch, leaf spot, melanose, powdery mildew, quince rust, leaf curl, scab and shot hole</p>	
Bonide Garden Dust Bonide Dragoon Dust with Copper	<ul style="list-style-type: none"> - Can be used for organic gardening. - Do not mix with liquid fertilizers. - Do not use in spray solutions with a pH of less than 6.5. - May cause staining of masonry, concrete, etc.
<p>mancozeb Type of fungicide: Contact Crops: Grapes Diseases controlled: Black rot, bunch rot, Eutypa dieback (formerly known as dead arm) and downy mildew</p>	
Bonide Mancozeb Flowable with Zinc Concentrate	<ul style="list-style-type: none"> - Do not use within 66 days of harvest. - Do not make more than three applications per season.
<p>myclobutanil Type of fungicide: Systemic Crops: Apples, apricots, cherries, grapes, nectarines, peaches, plums and prunes Diseases controlled: Anthracnose, black rot, brown rot, powdery mildew, rust, scab and shot hole</p>	
Eagle 20EW Spectracide Immunox Multi-purpose Fungicide Spray Concentrate	<ul style="list-style-type: none"> -Do not apply Eagle 20EW within 14 days of harvest on apples and grapes.
<p>neem oil Type of fungicide: Contact Crops: All fruits Diseases controlled: Anthracnose, black rot, Botrytis blight, downy mildew, fungal leaf spots, powdery mildew, rust and scab</p>	
Bonide Rose Rx 3 in 1 ^I Bonide Tomato and Vegetable 3 in 1 Concern Garden Defense Multi-purpose Spray ^I Ferti-lome Rose, Flower and Vegetable Spray Gardens Alive! Shield-All II Garden Safe Fungicide 3-in-1 ^I Green Light Neem Concentrate Green Light Powdery Mildew Killer RTU Natural Guard Neem Py Southern Ag Triple Action Neem Oil	<ul style="list-style-type: none"> - Can be used for organic gardening. - Do not use on sensitive plants (flowers of impatiens, fuchsia and hibiscus and some rose and carnation varieties).
<p>neem oil + insecticides Type of fungicide: Contact Crops: All fruits and nuts Diseases controlled: Anthracnose, Botrytis, downy mildew, fungal leaf spots and blights, powdery mildew, rust and scab</p>	
Ferti-lome Triple Action Plus ^I Green Light Neem ^{II} Ready-To-Use	<ul style="list-style-type: none"> - Do not apply to wilted or stressed plants or to newly transplanted material prior to root development.
<p>phosphorus acid Type of fungicide: Systemic Crops: Apples, berries, citrus, grapes, loquats, pears, quince, stone fruits and strawberries</p>	

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Product Name	Comments
Diseases controlled: Apple scab, downy mildew, fire blight and root and collar and fruit rots caused by Phytophthora	
Monterey Agri-Fos Systemic Fungicide	
potassium carbonate Type of fungicide: Contact Crops: All fruits Diseases controlled: Powdery mildew	
Garden-ville Potassium Bicarbonate	
propiconazole Type of fungicide: Systemic Crops: Apples, citrus, pecans and walnuts Diseases controlled: Anthracnose, fungal leaf spots, powdery mildew, rust and scab	
Bonide Infuse Systemic Disease Control Ferti-lome Liquid Systemic Fungicide II Gordon's Systemic Fungicide	- For use on nonbearing fruit and nut trees_(trees that will not produce fruit for at least one year after use of this product).
propiconazole Type of fungicide: Systemic Crops: Apricots, cherries, nectarines, peaches, plums and prunes Diseases controlled: Brown rot (blossom blight and fruit), cherry leaf spot and powdery mildew	
Bonide Infuse Systemic Disease Control Bonide Infuse Systemic Disease Control Lawn and Landscape Ready to Spray	- For use on bearing fruit trees. Do not apply to Stanley type plums.
streptomycin sulfate Type of fungicide: Contact Crops: Apple and pear Diseases controlled: Fire blight	
Ferti-lome Fire Blight Spray	-Spray every three to four days during bloom. Do not spray once fruit is visible.
sulfur Type of fungicide: Contact Crops: Apples, berries, cherries, citrus, grapes, nectarines, peaches, pears, plums, prunes and strawberries Diseases controlled: Black rot, brown rot, cedar-apple rust, frog-eye, leaf spot, powdery mildew, quince rust, rust, scab, shot hole and sooty blotch	
Bonide Sulfur Plant Fungicide Ferti-lome Dusting Sulfur Green Light Wettable Dusting Sulfur Hi-Yield Wettable Dusting Sulfur Lilly Miller Sulfur Dust Safer Brand Garden Fungicide II Southern Ag Wettable or Dusting Sulfur (peaches only)	- Do not re-enter treated area for 24 hours after application. - Do not use during periods of high temperatures (85 °F or higher) or within two to four weeks of using an oil spray.
sulfur + potassium salts Type of fungicide: Contact Crops: Apples, grapes, pears and strawberries Diseases controlled: Powdery mildew	
Safer Brand 3-in-1 Garden Spray ¹	- Do not use in full sun, when temperature exceeds 90°F or within four weeks of applying an oil spray.

¹Available in concentrate and ready to use formulations

Information in this section was last updated in December 2019 by Dr. R. Singh.