



## Pome Fruit Trees

### Apples

<b>Interval From Planting to Fruiting</b>	<ul style="list-style-type: none"> <li>• 2 to 6 years</li> </ul>
<b>Season of Ripening</b>	<ul style="list-style-type: none"> <li>• July through October</li> </ul>
<b>Soil</b>	<ul style="list-style-type: none"> <li>• pH: 6.0 to 6.5</li> <li>• Well-drained, light-textured soil</li> </ul>
<b>Spacing</b>	<ul style="list-style-type: none"> <li>• Depends on scion and rootstock</li> </ul>
<b>Harvest</b>	<ul style="list-style-type: none"> <li>• Fruit softens as it matures. Harvest apples based on intended length of storage.</li> <li>• In Missouri, most apples are harvested from mid September through October.</li> </ul>
<b>Postharvest</b>	<ul style="list-style-type: none"> <li>• Can be stored several months at 32°F and 80% to 90% relative humidity, depending on variety</li> </ul>
<b>Production Concerns</b>	<ul style="list-style-type: none"> <li>• Spring frosts and winter freezes are the main limiting factors.</li> </ul>
<b>Pests and Diseases</b>	<ul style="list-style-type: none"> <li>• Pests: European red mites, codling moths, San Jose scale, plum curculios</li> <li>• Diseases: cedar apple rust, fire blight, powdery mildew, scab</li> </ul>
<b>Structures and Equipment</b>	<ul style="list-style-type: none"> <li>• Stakes</li> </ul>
<b>Other Considerations</b>	<ul style="list-style-type: none"> <li>• Liberty, Red Delicious, and Golden Delicious are varieties that can be grown with success in Missouri.</li> </ul>

## Fruit and Vegetable Production

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Avery, J., P. Byers, M. Kaps, L. Kovacs, and M. Odneal. *Growing Fruit for Home Use*. State Fruit Experiment Station. Missouri State University-Mountain Grove.

<http://mtngrv.missouristate.edu/Publications/GFFHUweb.pdf> (accessed January 30, 2006).

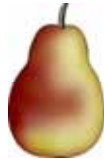
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Warmund, M. R. *Home Fruit Production: Apples*. University of Missouri Extension. <http://muextension.missouri.edu/explore/agguides/hort/g06021.htm> (accessed December 17, 2005).

Willenberg, B., and K. Hughes. *Home Storage of Fruits and Vegetables in Root Cellars*. University of Missouri Extension. <http://muextension.missouri.edu/explore/miscpubs/mp0562.htm> (accessed April 24, 2006).



## Pome Fruit Trees

### Pears

<b>Interval From Planting to Fruiting</b>	<ul style="list-style-type: none"> <li>• 5 to 8 years</li> </ul>
<b>Season of Ripening</b>	<ul style="list-style-type: none"> <li>• Mid July through mid October</li> </ul>
<b>Soil</b>	<ul style="list-style-type: none"> <li>• pH: 6.0 to 6.5</li> </ul>
<b>Spacing</b>	<ul style="list-style-type: none"> <li>• Between trees: 20 ft</li> <li>• Between rows: 26 ft</li> </ul>
<b>Harvest</b>	<ul style="list-style-type: none"> <li>• Pears should be firm and not fully ripe at harvest.</li> <li>• Seeds turn from white to dark brown when the fruit reaches maturity.</li> </ul>
<b>Postharvest</b>	<ul style="list-style-type: none"> <li>• Pears can be stored for 2 to 4 months at 32°F and 90% to 95% relative humidity.</li> <li>• Ripen pears at 60°F to 70°F before using or selling.</li> </ul>
<b>Production Concerns</b>	<ul style="list-style-type: none"> <li>• Warm, wet springs increase the likelihood of fire blight.</li> </ul>
<b>Pests and Diseases</b>	<ul style="list-style-type: none"> <li>• Pests: scale, stinkbugs, pear psylla</li> <li>• Diseases: fire blight, bot canker, flyspeck</li> </ul>
<b>Structures and Equipment</b>	
<b>Other Considerations</b>	<ul style="list-style-type: none"> <li>• Trees are usually pruned using a central leader system.</li> <li>• Pear trees are generally not pruned as much after the third year.</li> </ul>

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Avery, J., P. Byers, M. Kaps, L. Kovacs, and M. Odneal. *Growing Fruit for Home Use*. State Fruit Experiment Station. Missouri State University-Mountain Grove.

<http://mtngrv.missouristate.edu/Publications/GFFHUweb.pdf> (accessed January 30, 2006).

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Willenberg, B., and K. Hughes. *Home Storage of Fruits and Vegetables in Root Cellars*. University of Missouri Extension.

<http://muextension.missouri.edu/explore/miscpubs/mp0562.htm> (accessed April 24, 2006).

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