

TREES GROUPED BY SITE OR PLANTING CONDITIONS

I. SOIL MOISTURE AND pH CHART

BOTANICAL NAME	COMMON NAME												
		occasionally saturated or very wet soil			consistently moist, well drained soil			occasional periods of dry soil			prolonged periods of dry soil		
		1	2	3	4	5	6	7	8	9	10	11	12
pH ≤ 7.0													
<i>Acer rubrum</i>	Red Maple												
	Red Sunset®, 'Bowhall'	1	2	3	4	5	6	7	8	9	10	11	12
	'Autumn Flame', October Glory®	1	2	3	4	5	6	7	8	9	10	11	12
	Northwood®, 'Karpick'	1	2	3	4	5	6	7	8	9	10	11	12
<i>Betula nigra</i> 'Cully' & 'BNMTF'	Heritage® & Dura-Heat™ River Birch	1	2	3	4	5	6	7	8	9	10	11	12
<i>Quercus palustris</i>	Pin Oak	1	2	3	4	5	6	7	8	9	10	11	12
pH ≤ 7.5													
<i>Acer buergerianum</i>	Trident Maple	1	2	3	4	5	6	7	8	9	10	11	12
<i>Acer saccharum</i>	Sugar Maple	1	2	3	4	5	6	7	8	9	10	11	12
<i>Acer x freemanii</i>	Freeman Maple	1	2	3	4	5	6	7	8	9	10	11	12
<i>Amelanchier</i> species	Serviceberry Species and Hybrids	1	2	3	4	5	6	7	8	9	10	11	12
<i>Betula populifolia</i> 'Whitespire Sr.'	Whitespire Sr. Gray Birch	1	2	3	4	5	6	7	8	9	10	11	12
<i>Carpinus caroliniana</i>	Ironwood	1	2	3	4	5	6	7	8	9	10	11	12
<i>Celtis laevigata</i>	Sugar Hackberry	1	2	3	4	5	6	7	8	9	10	11	12
<i>Liquidambar styraciflua</i>	American Sweetgum	1	2	3	4	5	6	7	8	9	10	11	12
<i>Nyssa sylvatica</i>	Black Tupelo	1	2	3	4	5	6	7	8	9	10	11	12
<i>Prunus</i> 'Accolade'	Accolade Flowering Cherry	1	2	3	4	5	6	7	8	9	10	11	12
<i>Prunus</i> 'Snow Goose'	Snow Goose Cherry	1	2	3	4	5	6	7	8	9	10	11	12
<i>Prunus sargentii</i>	Sargent Cherry	1	2	3	4	5	6	7	8	9	10	11	12
<i>Prunus virginiana</i> 'Canada Red Select'	Canada Red Chokecherry	1	2	3	4	5	6	7	8	9	10	11	12
<i>Quercus acutissima</i>	Sawtooth Oak	1	2	3	4	5	6	7	8	9	10	11	12
<i>Quercus bicolor</i>	Swamp White Oak	1	2	3	4	5	6	7	8	9	10	11	12
<i>Quercus coccinea</i>	Scarlet Oak	1	2	3	4	5	6	7	8	9	10	11	12
<i>Quercus imbricaria</i>	Shingle Oak	1	2	3	4	5	6	7	8	9	10	11	12
<i>Quercus phellos</i>	Willow Oak	1	2	3	4	5	6	7	8	9	10	11	12
<i>Quercus rubra</i>	Northern Red Oak	1	2	3	4	5	6	7	8	9	10	11	12
<i>Taxodium distichum</i>	Common Baldcypress	1	2	3	4	5	6	7	8	9	10	11	12
pH ≤ 8.2													
<i>Acer campestre</i>	Hedge Maple	1	2	3	4	5	6	7	8	9	10	11	12
<i>Acer miyabei</i>	Miyabei Maple	1	2	3	4	5	6	7	8	9	10	11	12
<i>Acer platanoides</i>	Norway Maple	1	2	3	4	5	6	7	8	9	10	11	12
<i>Acer pseudoplatanus</i>	Sycamore Maple	1	2	3	4	5	6	7	8	9	10	11	12
<i>Acer tataricum</i>	Tartarian Maple	1	2	3	4	5	6	7	8	9	10	11	12
<i>Acer tataricum</i> ssp. <i>ginnala</i>	Amur Maple	1	2	3	4	5	6	7	8	9	10	11	12
<i>Acer truncatum</i>	Shantung Maple	1	2	3	4	5	6	7	8	9	10	11	12

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pH ≤ 8.2 (continued)													
<i>Aesculus x carnea</i>	Red Horsechestnut	1	2	3	4	5	6	7	8	9	10	11	12
<i>Alnus glutinosa</i>	European Alder	1	2	3	4	5	6	7	8	9	10	11	12
<i>Carpinus betulus</i>	European Hornbeam	1	2	3	4	5	6	7	8	9	10	11	12
<i>Catalpa speciosa</i>	Northern Catalpa	1	2	3	4	5	6	7	8	9	10	11	12
<i>Celtis occidentalis</i>	Common Hackberry	1	2	3	4	5	6	7	8	9	10	11	12
<i>Cercidiphyllum japonicum</i>	Katsura Tree	1	2	3	4	5	6	7	8	9	10	11	12
<i>Cercis canadensis</i>	Eastern Redbud	1	2	3	4	5	6	7	8	9	10	11	12
<i>Cladrastis kentukea</i>	Yellowwood	1	2	3	4	5	6	7	8	9	10	11	12
<i>Cornus mas</i>	Corneliancherry Dogwood	1	2	3	4	5	6	7	8	9	10	11	12
<i>Corylus colurna</i>	Turkish Filbert	1	2	3	4	5	6	7	8	9	10	11	12
<i>Cotinus obovatus</i>	American Smoketree	1	2	3	4	5	6	7	8	9	10	11	12
<i>Crataegus crus-galli</i> var. <i>inermis</i>	Thornless Cockspur Hawthorn	1	2	3	4	5	6	7	8	9	10	11	12
<i>Crataegus phaenopyrum</i>	Washington Hawthorn	1	2	3	4	5	6	7	8	9	10	11	12
<i>Crataegus punctata</i> var. <i>inermis</i> 'Ohio Pioneer'	Ohio Pioneer Dotted Hawthorn	1	2	3	4	5	6	7	8	9	10	11	12
<i>Crataegus viridis</i> 'Winter King'	Winter King Hawthorn	1	2	3	4	5	6	7	8	9	10	11	12
<i>Eucommia ulmoides</i>	Hardy Rubber Tree	1	2	3	4	5	6	7	8	9	10	11	12
<i>Fraxinus americana</i>	White Ash	1	2	3	4	5	6	7	8	9	10	11	12
<i>Fraxinus excelsior</i>	European Ash	1	2	3	4	5	6	7	8	9	10	11	12
<i>Fraxinus</i> 'Northern Gem' and 'Northern Treasure'	Northern Gem Ash and Northern Treasure Ash	1	2	3	4	5	6	7	8	9	10	11	12
<i>Fraxinus pennsylvanica</i>	Green Ash	1	2	3	4	5	6	7	8	9	10	11	12
<i>Ginkgo biloba</i>	Ginkgo	1	2	3	4	5	6	7	8	9	10	11	12
<i>Gleditsia triacanthos</i> var. <i>inermis</i>	Thornless Common Honeylocust	1	2	3	4	5	6	7	8	9	10	11	12
<i>Gymnocladus dioicus</i>	Kentucky Coffeetree	1	2	3	4	5	6	7	8	9	10	11	12
<i>Koelreuteria paniculata</i>	Goldenraintree	1	2	3	4	5	6	7	8	9	10	11	12
<i>Liriodendron tulipifera</i>	Tuliptree	1	2	3	4	5	6	7	8	9	10	11	12
<i>Maackia amurensis</i>	Amur Maackia	1	2	3	4	5	6	7	8	9	10	11	12
<i>Machura pomifera</i> var. <i>inermis</i>	Osage Orange	1	2	3	4	5	6	7	8	9	10	11	12
<i>Malus</i> species	Crabapple	1	2	3	4	5	6	7	8	9	10	11	12
<i>Metasequoia glyptostroboides</i>	Dawn Redwood	1	2	3	4	5	6	7	8	9	10	11	12
<i>Ostrya virginiana</i>	American Hophornbeam	1	2	3	4	5	6	7	8	9	10	11	12
<i>Parrotia persica</i>	Persian Parrotia	1	2	3	4	5	6	7	8	9	10	11	12
<i>Phellodendron amurense</i>	Amur Corktree	1	2	3	4	5	6	7	8	9	10	11	12
<i>Platanus x acerifolia</i>	London Planetree	1	2	3	4	5	6	7	8	9	10	11	12
<i>Pyrus calleryana</i>	Callery Pear	1	2	3	4	5	6	7	8	9	10	11	12
<i>Pyrus fauriei</i> 'Westwood'	Korean Sun™ Pear	1	2	3	4	5	6	7	8	9	10	11	12
<i>Pyrus ussuriensis</i>	Ussurian Pear	1	2	3	4	5	6	7	8	9	10	11	12
<i>Quercus macrocarpa</i>	Bur Oak	1	2	3	4	5	6	7	8	9	10	11	12
<i>Quercus muehlenbergii</i>	Chinkapin Oak	1	2	3	4	5	6	7	8	9	10	11	12
<i>Quercus robur</i>	English Oak	1	2	3	4	5	6	7	8	9	10	11	12
<i>Quercus shumardii</i>	Schumard Oak	1	2	3	4	5	6	7	8	9	10	11	12

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pH ≤ 8.2 (continued)													
<i>Robinia pseudoacacia</i>	Black Locust	1	2	3	4	5	6	7	8	9	10	11	12
<i>Sorbus alnifolia</i>	Korean Mountainash	1	2	3	4	5	6	7	8	9	10	11	12
<i>Sorbus intermedia</i>	Swedish Mountainash	1	2	3	4	5	6	7	8	9	10	11	12
<i>Sorbus x hybrida</i> and <i>Sorbus x thuringiaca</i>	Oak-Leaf Mountainash	1	2	3	4	5	6	7	8	9	10	11	12
<i>Styphnolobium japonicum</i> (<i>Sophora japonica</i>)	Japanese Pagodatree	1	2	3	4	5	6	7	8	9	10	11	12
<i>Syringa reticulata</i>	Japanese Tree Lilac	1	2	3	4	5	6	7	8	9	10	11	12
<i>Tilia americana</i>	Basswood	1	2	3	4	5	6	7	8	9	10	11	12
<i>Tilia cordata</i>	Littleleaf Linden	1	2	3	4	5	6	7	8	9	10	11	12
<i>Tilia x euchlora</i>	Crimean Linden	1	2	3	4	5	6	7	8	9	10	11	12
<i>Tilia tomentosa</i>	Silver Linden	1	2	3	4	5	6	7	8	9	10	11	12
<i>Ulmus americana</i>	American Elm	1	2	3	4	5	6	7	8	9	10	11	12
<i>Ulmus parvifolia</i>	Chinese Elm	1	2	3	4	5	6	7	8	9	10	11	12
<i>Ulmus x species</i>	Elm Hybrids	1	2	3	4	5	6	7	8	9	10	11	12
<i>Zelkova serrata</i>	Japanese Zelkova	1	2	3	4	5	6	7	8	9	10	11	12

II. TREES THAT TOLERATE PARTIAL SHADE

BOTANICAL NAME	COMMON NAME
<i>Acer miyabei</i>	Miyabei Maple
+ <i>Acer platanoides</i>	Norway Maple
<i>Acer psuedoplatanus</i>	Sycamore Maple
<i>Acer saccharum</i>	Sugar Maple
<i>Acer tataricum</i>	Tartarian Maple
<i>Acer tataricum</i> ssp. <i>ginnala</i>	Amur Maple
<i>Alnus glutinosa</i>	European Alder
<i>Amelanchier</i> species	Serviceberry Species and Hybrids
<i>Betula nigra</i> 'Cully' & 'BNMTF'	Heritage® & Dura-Heat™ River Birch
* <i>Carpinus caroliniana</i>	Ironwood
<i>Celtis laevigata</i>	Sugar Hackberry
<i>Celtis occidentalis</i>	Common Hackberry
<i>Cercidiphyllum japonicum</i>	Katsura Tree
<i>Cercis canadensis</i>	Eastern Redbud
<i>Cornus mas</i>	Corneliancherry Dogwood
<i>Ostrya virginiana</i>	American Hophornbeam
<i>Parrotia persica</i>	Persian Parrotia
+ <i>Robinia pseudoacacia</i>	Black Locust
<i>Sorbus alnifolia</i>	Korean Mountainash
<i>Sorbus x hybrida</i> and <i>Sorbus x thuringiaca</i>	Oak-Leaf Mountainash
<i>Syringa reticulata</i>	Japanese Tree Lilac
<i>Viburnum sieboldii</i>	Siebold Viburnum

* prefers partial shade

+ tolerates full shade