

Trees grouped by site or planting conditions

## Trees Grouped by Site or Planting Conditions

- Soil pH and Moisture Charts
- Trees That Tolerate Partial Shade
- Trees Observed to Have Some Salt Tolerance
- Trees Suitable for Use in CU-Structural Soil™
- Transplanting Bare Root Difficulty Charts

### Soil pH and Moisture Charts

Requires acid (pH 5.0 to 7.0)

Showing 1-2 of 2 items.

Botanical Name	Common Name	VERY WET <span style="float: right;">VERY DRY</span>											
		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
<i>Quercus palustris</i>	Pin Oak; Swamp Oak	1	2	3	4	5	6	7	8	9	10	11	12
<i>Taxodium distichum</i>	Bald Cypress	1	2	3	4	5	6	7	8	9	10	11	12

Can tolerate acid to neutral soil (pH 5.0 to 7.4)

Showing 1-17 of 17 items.

Botanical Name	Common Name	VERY WET <span style="float: right;">VERY DRY</span>											
		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
<i>Acer rubrum</i>	Red Maple; Scarlet Maple; Swamp 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 spp.</i>	Serviceberry; Shadblow	1	2	3	4	5	6	7	8	9	10	11	12
<i>Betula nigra</i>	River Birch; Red Birch	1	2	3	4	5	6	7	8	9	10	11	12
<i>Betula populifolia</i>	Gray Birch; Poplar Birch; Old Field Birch; Poverty Birch; White Birch	1	2	3	4	5	6	7	8	9	10	11	12
<i>Carpinus caroliniana</i>	American Hornbeam; Blue Beech; Ironwood; Musclewood	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>Metasequoia glyptostroboides</i>	Dawn Redwood	1	2	3	4	5	6	7	8	9	10	11	12
<i>Nyssa sylvatica</i>	Pepperidge; Sour Gum; Black Gum; Tupelo	1	2	3	4	5	6	7	8	9	10	11	12
<i>Prunus 'Accolade'</i>	Flowering Cherry 'Accolade'	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>Quercus acutissima</i>	Saw-tooth 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 phellos</i>	Willow Oak	1	2	3	4	5	6	7	8	9	10	11	12
<i>Quercus rubra</i>	Red Oak; Northern Red Oak	1	2	3	4	5	6	7	8	9	10	11	12
<i>Quercus shumardii</i>	Shumard Oak	1	2	3	4	5	6	7	8	9	10	11	12

Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

Showing 1-49 of 49 items.

Botanical Name	Common Name	VERY WET <span style="float: right;">VERY DRY</span>											
		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
<i>Acer buergerianum</i>	Trident Maple	1	2	3	4	5	6	7	8	9	10	11	12
<i>Acer campestre</i>	Hedge Maple	1	2	3	4	5	6	7	8	9	10	11	12
<i>Acer miyabei</i>	Miyabe Maple	1	2	3	4	5	6	7	8	9	10	11	12
<i>Acer saccharum</i>	Sugar Maple; Rock Maple; Hard Maple	1	2	3	4	5	6	7	8	9	10	11	12
<i>Acer tataricum ssp. ginnala</i>	Amur Maple	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>	Catalpa; Indian Bean	1	2	3	4	5	6	7	8	9	10	11	12
<i>Celtis occidentalis</i>	Hackberry; Sugarberry	1	2	3	4	5	6	7	8	9	10	11	12
<i>Cercidiphyllum japonicum</i>	Katsuratree; 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; Cornelian Cherry	1	2	3	4	5	6	7	8	9	10	11	12
<i>Corylus colurna</i>	Turkish Filbert; Turkish Hazel	1	2	3	4	5	6	7	8	9	10	11	12
<i>Crataegus crus-galli</i>	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 viridis 'Winter King'</i>	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>Ginkgo biloba</i>	Ginkgo; Maidenhair Tree	1	2	3	4	5	6	7	8	9	10	11	12
<i>Gleditsia triacanthos</i>	Common Honeylocust; Honey Locust	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>	Golden-rain Tree; Varnish Tree	1	2	3	4	5	6	7	8	9	10	11	12
<i>Liriodendron tulipifera</i>	Tuliptree; Tulip Poplar; Tulip Magnolia; Yellow Poplar; Whitewood	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>Maclura pomifera</i>	Osage Orange; Boxwood	1	2	3	4	5	6	7	8	9	10	11	12
<i>Malus spp.</i>	Flowering Crabapple	1	2	3	4	5	6	7	8	9	10	11	12
<i>Ostrya virginiana</i>	Hop Hornbeam	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 Cork Tree	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>Prunus virginiana</i>	Chokecherry	1	2	3	4	5	6	7	8	9	10	11	12
<i>Prunus 'Snow Goose'</i>	Snow Goose Cherry	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>Quercus imbricaria</i>	Shingle Oak	1	2	3	4	5	6	7	8	9	10	11	12
<i>Quercus macrocarpa</i>	Bur Oak; Mossycup 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; Truffle Oak; Pedunculate Oak	1	2	3	4	5	6	7	8	9	10	11	12
<i>Robinia pseudoacacia</i>	Black Locust	1	2	3	4	5	6	7	8	9	10	11	12

Botanical Name	Common Name	VERY WET <span style="float: right;">VERY DRY</span>											
		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
<i>Sorbus alnifolia</i>	Korean Mountain Ash	1	2	3	4	5	6	7	8	9	10	11	12
<i>Styphnolobium japonicum</i>	Japanese Pagoda Tree; Scholar-Tree	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>	American Linden; Basswood	1	2	3	4	5	6	7	8	9	10	11	12
<i>Tilia cordata</i>	Littleleaf Linden; Small-leaved Lime	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>Tilia x euchlora</i>	Crimean Linden	1	2	3	4	5	6	7	8	9	10	11	12
<i>Ulmus 'Accolade'</i>	Hybrid Elm 'Accolade'	1	2	3	4	5	6	7	8	9	10	11	12
<i>Ulmus 'Frontier'</i>	Hybrid Elm 'Frontier'	1	2	3	4	5	6	7	8	9	10	11	12
<i>Ulmus parvifolia</i>	Chinese Elm; Lacebark Elm	1	2	3	4	5	6	7	8	9	10	11	12
<i>Ulmus spp.</i>	Hybrid Elms	1	2	3	4	5	6	7	8	9	10	11	12
<i>Zelkova serrata</i>	Japanese Zelkova; Saw-leaf Zelkova; Keaki Tree	1	2	3	4	5	6	7	8	9	10	11	12

## Trees That Tolerate Partial Shade

Showing **1-11** of **11** items.

<b>Botanical Name</b>	<b>Common Name</b>
<i>Acer miyabei</i>	Miyabe Maple
<i>Acer tataricum ssp. ginnala</i>	Amur Maple
<i>Amelanchier spp.</i>	Serviceberry; Shadblow
<i>Carpinus caroliniana</i>	American Hornbeam; Blue Beech; Ironwood; Musclewood
<i>Catalpa speciosa</i>	Catalpa; Indian Bean
<i>Cercis canadensis</i>	Eastern Redbud
<i>Cornus mas</i>	Corneliancherry Dogwood; Cornelian Cherry
<i>Metasequoia glyptostroboides</i>	Dawn Redwood
<i>Ostrya virginiana</i>	Hop Hornbeam
<i>Parrotia persica</i>	Persian Parrotia
<i>Sorbus alnifolia</i>	Korean Mountain Ash

## Trees Observed to Have Some Salt Tolerance

Showing **1-36** of **36** items.

<b>Botanical Name</b>	<b>Common Name</b>
<i>Acer buergerianum</i>	Trident Maple
<i>Acer rubrum</i>	Red Maple; Scarlet Maple; Swamp Maple
<i>Acer tataricum ssp. ginnala</i>	Amur Maple
<i>Betula nigra</i>	River Birch; Red Birch
<i>Celtis occidentalis</i>	Hackberry; Sugarberry
<i>Crataegus crus-galli</i>	Cockspur Hawthorn
<i>Crataegus phaenopyrum</i>	Washington Hawthorn
<i>Crataegus viridis 'Winter King'</i>	Winter King Hawthorn
<i>Eucommia ulmoides</i>	Hardy Rubber Tree
<i>Ginkgo biloba</i>	Ginkgo; Maidenhair Tree
<i>Gleditsia triacanthos</i>	Common Honeylocust; Honey Locust
<i>Gymnocladus dioicus</i>	Kentucky Coffeetree
<i>Koelreuteria paniculata</i>	Golden-rain Tree; Varnish Tree
<i>Maackia amurensis</i>	Amur Maackia
<i>Maclura pomifera</i>	Osage Orange; Boxwood
<i>Malus spp.</i>	Flowering Crabapple
<i>Nyssa sylvatica</i>	Pepperidge; Sour Gum; Black Gum; Tupelo
<i>Prunus 'Accolade'</i>	Flowering Cherry 'Accolade'
<i>Prunus sargentii</i>	Sargent Cherry
<i>Pyrus calleryana</i>	Callery Pear
<i>Quercus acutissima</i>	Saw-tooth Oak
<i>Quercus bicolor</i>	Swamp White Oak
<i>Quercus macrocarpa</i>	Bur Oak; Mossycup Oak
<i>Quercus muehlenbergii</i>	Chinkapin Oak

<b>Botanical Name</b>	<b>Common Name</b>
<i>Quercus phellos</i>	Willow Oak
<i>Quercus robur</i>	English Oak; Truffle Oak; Pedunculate Oak
<i>Quercus rubra</i>	Red Oak; Northern Red Oak
<i>Robinia pseudoacacia</i>	Black Locust
<i>Styphnolobium japonicum</i>	Japanese Pagoda Tree; Scholar-Tree
<i>Syringa reticulata</i>	Japanese Tree Lilac
<i>Taxodium distichum</i>	Bald Cypress
<i>Ulmus 'Accolade'</i>	Hybrid Elm 'Accolade'
<i>Ulmus 'Frontier'</i>	Hybrid Elm 'Frontier'
<i>Ulmus americana</i>	American Elm
<i>Ulmus parvifolia</i>	Chinese Elm; Lacebark Elm
<i>Ulmus spp.</i>	Hybrid Elms

## Trees Suitable for Use in CU-Structural Soil™

Showing 1-42 of 42 items.

<b>Botanical Name</b>	<b>Common Name</b>
<i>Acer campestre</i>	Hedge Maple
<i>Acer miyabei</i>	Miyabe Maple
<i>Carpinus betulus</i>	European Hornbeam
<i>Catalpa speciosa</i>	Catalpa; Indian Bean
<i>Celtis occidentalis</i>	Hackberry; Sugarberry
<i>Cercis canadensis</i>	Eastern Redbud
<i>Cornus mas</i>	Corneliancherry Dogwood; Cornelian Cherry
<i>Corylus colurna</i>	Turkish Filbert; Turkish Hazel
<i>Cotinus obovatus</i>	American Smoketree
<i>Crataegus crus-galli</i>	Cockspur Hawthorn
<i>Crataegus phaenopyrum</i>	Washington Hawthorn
<i>Crataegus viridis</i> 'Winter King'	Winter King Hawthorn
<i>Eucommia ulmoides</i>	Hardy Rubber Tree
<i>Ginkgo biloba</i>	Ginkgo; Maidenhair Tree
<i>Gleditsia triacanthos</i>	Common Honeylocust; Honey Locust
<i>Gymnocladus dioicus</i>	Kentucky Coffeetree
<i>Koelreuteria paniculata</i>	Golden-rain Tree; Varnish Tree
<i>Maackia amurensis</i>	Amur Maackia
<i>Maclura pomifera</i>	Osage Orange; Boxwood
<i>Malus spp.</i>	Flowering Crabapple
<i>Parrotia persica</i>	Persian Parrotia
<i>Phellodendron amurense</i>	Amur Cork Tree
<i>Platanus x acerifolia</i>	London Planetree
<i>Pyrus calleryana</i>	Callery Pear



<b>Botanical Name</b>	<b>Common Name</b>
<i>Quercus bicolor</i>	Swamp White Oak
<i>Quercus macrocarpa</i>	Bur Oak; Mossycup Oak
<i>Quercus muehlenbergii</i>	Chinkapin Oak
<i>Quercus robur</i>	English Oak; Truffle Oak; Pedunculate Oak
<i>Robinia pseudoacacia</i>	Black Locust
<i>Sorbus alnifolia</i>	Korean Mountain Ash
<i>Styphnolobium japonicum</i>	Japanese Pagoda Tree; Scholar-Tree
<i>Syringa reticulata</i>	Japanese Tree Lilac
<i>Tilia americana</i>	American Linden; Basswood
<i>Tilia cordata</i>	Littleleaf Linden; Small-leaved Lime
<i>Tilia tomentosa</i>	Silver Linden
<i>Tilia x euchlora</i>	Crimean Linden
<i>Ulmus 'Accolade'</i>	Hybrid Elm 'Accolade'
<i>Ulmus 'Frontier'</i>	Hybrid Elm 'Frontier'
<i>Ulmus americana</i>	American Elm
<i>Ulmus parvifolia</i>	Chinese Elm; Lacebark Elm
<i>Ulmus spp.</i>	Hybrid Elms
<i>Zelkova serrata</i>	Japanese Zelkova; Saw-leaf Zelkova; Keaki Tree

## Transplanting Bare Root Difficulty Charts

Trees easy to transplant bare root

Showing **1-32** of **32** items.

<b>Botanical Name</b>	<b>Common Name</b>
<i>Acer campestre</i>	Hedge Maple
<i>Acer miyabei</i>	Miyabe Maple
<i>Acer rubrum</i>	Red Maple; Scarlet Maple; Swamp Maple
<i>Acer saccharum</i>	Sugar Maple; Rock Maple; Hard Maple
<i>Acer tataricum ssp. ginnala</i>	Amur Maple
<i>Acer x freemanii</i>	Freeman Maple
<i>Catalpa speciosa</i>	Catalpa; Indian Bean
<i>Cladrastis kentukea</i>	Yellowwood
<i>Cornus mas</i>	Corneliancherry Dogwood; Cornelian Cherry
<i>Gleditsia triacanthos</i>	Common Honeylocust; Honey Locust
<i>Gymnocladus dioicus</i>	Kentucky Coffeetree
<i>Koelreuteria paniculata</i>	Golden-rain Tree; Varnish Tree
<i>Maackia amurensis</i>	Amur Maackia
<i>Malus spp.</i>	Flowering Crabapple
<i>Parrotia persica</i>	Persian Parrotia
<i>Phellodendron amurense</i>	Amur Cork Tree
<i>Platanus x acerifolia</i>	London Planetree
<i>Prunus 'Accolade'</i>	Flowering Cherry 'Accolade'
<i>Prunus sargentii</i>	Sargent Cherry
<i>Prunus virginiana</i>	Chokecherry
<i>Pyrus calleryana</i>	Callery Pear
<i>Quercus bicolor</i>	Swamp White Oak
<i>Quercus rubra</i>	Red Oak; Northern Red Oak

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<b>Botanical Name</b>	<b>Common Name</b>
<i>Robinia pseudoacacia</i>	Black Locust
<i>Sorbus alnifolia</i>	Korean Mountain Ash
<i>Syringa reticulata</i>	Japanese Tree Lilac
<i>Tilia americana</i>	American Linden; Basswood
<i>Tilia cordata</i>	Littleleaf Linden; Small-leaved Lime
<i>Tilia x euchlora</i>	Crimean Linden
<i>Ulmus 'Accolade'</i>	Hybrid Elm 'Accolade'
<i>Ulmus americana</i>	American Elm
<i>Ulmus spp.</i>	Hybrid Elms

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Trees moderately difficult to transplant bare root

Showing **1-13** of **13** items.

<b>Botanical Name</b>	<b>Common Name</b>
<i>Amelanchier spp.</i>	Serviceberry; Shadblow
<i>Betula nigra</i>	River Birch; Red Birch
<i>Betula populifolia</i>	Gray Birch; Poplar Birch; Old Field Birch; Poverty Birch; White Birch
<i>Celtis occidentalis</i>	Hackberry; Sugarberry
<i>Cercidiphyllum japonicum</i>	Katsuratree; Katsura Tree
<i>Cercis canadensis</i>	Eastern Redbud
<i>Corylus colurna</i>	Turkish Filbert; Turkish Hazel
<i>Crataegus crus-galli</i>	Cockspur Hawthorn
<i>Crataegus viridis</i> 'Winter King'	Winter King Hawthorn
<i>Eucommia ulmoides</i>	Hardy Rubber Tree
<i>Quercus palustris</i>	Pin Oak; Swamp Oak
<i>Quercus robur</i>	English Oak; Truffle Oak; Pedunculate Oak
<i>Zelkova serrata</i>	Japanese Zelkova; Saw-leaf Zelkova; Keaki Tree

Trees difficult to transplant bare root

Showing **1-17** of **17** items.

<b>Botanical Name</b>	<b>Common Name</b>
<i>Carpinus betulus</i>	European Hornbeam
<i>Carpinus caroliniana</i>	American Hornbeam; Blue Beech; Ironwood; Musclemwood
<i>Cotinus obovatus</i>	American Smoketree
<i>Crataegus phaenopyrum</i>	Washington Hawthorn
<i>Ginkgo biloba</i>	Ginkgo; Maidenhair Tree
<i>Liquidambar styraciflua</i>	American Sweetgum
<i>Liriodendron tulipifera</i>	Tuliptree; Tulip Poplar; Tulip Magnolia; Yellow Poplar; Whitewood
<i>Nyssa sylvatica</i>	Pepperidge; Sour Gum; Black Gum; Tupelo
<i>Ostrya virginiana</i>	Hop Hornbeam
<i>Quercus coccinea</i>	Scarlet Oak
<i>Quercus imbricaria</i>	Shingle Oak
<i>Quercus macrocarpa</i>	Bur Oak; Mossycup Oak
<i>Quercus muehlenbergii</i>	Chinkapin Oak
<i>Taxodium distichum</i>	Bald Cypress
<i>Tilia tomentosa</i>	Silver Linden
<i>Ulmus 'Frontier'</i>	Hybrid Elm 'Frontier'
<i>Ulmus parvifolia</i>	Chinese Elm; Lacebark Elm

## Appendices