

Species (common name)	hardiness zone	Percent Rating		
		5b	5a	4b
Deciduous Trees				
<i>Acer campestre</i> (hedge maple)		80	80	70
<i>Acer x freemanii</i> (freeman maple)		50	50	60
<i>Acer griseum</i> (paperback maple)		80	80	70
<i>Acer miyabei</i> (miyabe maple)		80	80	80
<i>Acer negundo</i> (boxelder)		20	20	30
<i>Acer palmatum</i> (Japanese maple)		70	70	60
<i>Acer platanoides</i> (Norway maple)		50	50	50
	(improved cultivars)	60	60	60
<i>Acer rubrum</i> (red maple)		70	70	70
	(improved cultivars)	80	80	80
<i>Acer saccharinum</i> (silver maple)		50	50	60
	(improved cultivars)	60	60	70
<i>Acer saccharum</i> (sugar maple)		70	70	70
	(improved cultivars)	80	80	80
<i>Acer saccharum ssp. nigrum</i> (black maple)		80	80	80
<i>Acer tataricum</i> (Tatarian maple)		60	60	70
<i>Acer tataricum ssp. ginnala</i> (Amur maple)		60	60	70
<i>Acer triflorum</i> (three-flowered maple)		80	80	80
<i>Acer truncatum</i> (Shantung maple)		70	70	70
<i>Acer truncatum x platanoides</i> (hybrid maple)		70	70	70
<i>Aesculus flava</i> (yellow buckeye)		70	70	70
<i>Aesculus glabra</i> (Ohio buckeye)		70	80	80
<i>Aesculus hippocastanum</i> (common horsechestnut)		60	60	60
<i>Ailanthus altissima</i> (tree of heaven	(male)	20	20	20
	(female)	10	10	10
<i>Alnus glutinosa</i> (European black alder)		60	60	70
<i>Amelanchier spp.</i> (service berry)		80	80	80
<i>Asimina triloba</i> (pawpaw)		70	70	70
<i>Betula lenta</i> (sweet birch)		70	70	70
<i>Betula nigra</i> (river birch) single-stem		60	60	70
	(multi-stem)	50	50	50
<i>Betula papyrifera</i> (paper birch)		40	40	50
<i>Betula pendula</i> (European white birch)		50	50	60
<i>Betula platyphylla var. japonica</i> 'Whitespire Senior'		40	40	50
(Japanese birch)		70	70	70
<i>Betula populafolia</i> (gray birch)		40	40	50
<i>Carpinus betulus</i> (European hornbeam)		70	70	70
<i>Carpinus caroliniana</i> (American hornbeam)		80	80	80
<i>Betula alleghaniensis</i> (yellow birch)		60	60	60

Species (common name)	Percent Rating		
	5b	5a	4b
<i>Carya cordiformis</i> (bitternut hickory)	80	80	80
<i>Carya glabra</i> (pignut hickory)	70	70	70
<i>Carya illinoensis</i> (pecan)	70	70	60
<i>Carya laciniosa</i> (shellbark hickory)	80	80	80
<i>Carya ovata</i> (shagbark hickory)	90	90	90
<i>Carya tomentosa</i> (mockernut hickory)	70	70	70
<i>Castanea dentata</i> (American chestnut)	40	40	30
<i>Castanea mollissima</i> (Chinese chestnut)	70	70	70
<i>Catalpa</i> spp. (catalpa)	70	70	70
<i>Celtis laevigata</i> (sugar hackberry)	60	60	70
<i>Celtis occidentalis</i> (common hackberry)	70	70	80
<i>Cercidiphyllum japonicum</i> (katsuratree)	70	70	70
<i>Cercis canadensis</i> (eastern redbud)	70	70	60
<i>Chionanthus retusus</i> (Chinese fringetree)	60	60	60
<i>Chionanthus virginicus</i> (white fringetree)	60	60	60
<i>Cladrastis kentukea</i> (yellow wood)	60	60	60
<i>Cornus alternifolia</i> (pagoda dogwood)	70	70	70
<i>Cornus florida</i> (flowering dogwood)	60	60	60
<i>Cornus kousa</i> (kousa dogwood)	70	70	80
<i>Cornus mas</i> (cornelian cherry dogwood)	70	70	70
<i>Corylus americana</i> (American filbert)	80	80	80
<i>Corylus colurna</i> (Turkish filbert)	80	80	80
<i>Cotinus coggygia</i> (European smoketree)	70	70	70
<i>Cotinus obovatus</i> (American smoketree)	70	70	70
<i>Crataegus crusgalli</i> (cockspur hawthorn)	70	70	80
<i>Crataegus crusgalli</i> var. <i>inermis</i> (thornless cockspur hawthorn)	70	70	80
<i>Crataegus phaenopyrum</i> (Washington hawthorn)	70	70	80
<i>Crataegus viridis</i> 'Winter King' (green hawthorn)	70	70	80
<i>Diospyros virginia</i> (persimmon)	60	60	60
<i>Elaeagnus angustifolia</i> (Russian olive)	20	20	20
<i>Fagus grandifolia</i> (American beech)	80	80	80
<i>Fagus sylvatica</i> (European beech)	80	80	70
<i>Fraxinus americana</i> (white ash)	20	20	20
	(improved cultivars)	20	20
<i>Fraxinus exelsior</i> (European ash)	20	20	20
<i>Fraxinus nigra</i> (black ash)	20	20	20
<i>Fraxinus pennsylvanica</i> (green ash)	20	20	20
	(improved cultivars)	20	20
<i>Fraxinus quadrangulata</i> (blue ash)	20	20	20
<i>Ginkgo biloba</i> (ginkgo)	90	90	90

Species (common name) Percent Rating

	5b	5a	4b
<i>Gleditsia triacanthos</i> (honeylocust)	60	60	60
(improved cultivars)	70	70	70
<i>Gleditsia triacanthos</i> var. <i>inermis</i> (thornless honeylocust)	70	70	70
<i>Gymnocladus dioicus</i> (Kentucky coffeetree)	90	90	90
<i>Heptacodium miconioedes</i> (seven-son flower)	50	50	40
<i>Ilex opaca</i> (American holly)	60	60	60
<i>Juglans cinerea</i> (butternut)	60	60	60
<i>Juglans nigra</i> (black walnut)	70	70	70
<i>Juglans regia</i> (English walnut)	60	60	60
<i>Koelreuteria paniculata</i> (golden raintree)	60	60	60
<i>Liquidambar styraciflua</i> (sweetgum)	60	60	60
<i>Liriodendron tulipifera</i> (tulip poplar)	60	80	70
<i>Maackia amurensis</i> (Amur maackia)	70	70	80
<i>Maclura pomifera</i> (Osage orange, unnamed selectio (male)	70	70	50
<i>Magnolia</i> spp. (magnolia, named cultivar or hybrid)	70	70	70
<i>Magnolia acuminata</i> (cucumber magnolia)	80	80	80
<i>Magnolia x loebneri</i> (Loebner magnolia)	70	70	70
<i>Magnolia macrophylla</i> (bigleaf magnolia)	70	70	70
<i>Magnolia x soulangiana</i> (saucer magnolia)	70	70	70
<i>Magnolia stellata</i> (star magnolia)	70	70	70
<i>Magnolia virginiana</i> (sweetbay magnolia)	60	60	60
<i>Malus</i> spp. (crabapple)	40	40	40
(improved cultivars)	80	80	80
<i>Malus pumila</i> (apple)	70	70	70
<i>Morus alba</i> (white mulberry) (male)	40	50	40
<i>Morus rubra</i> (red mulberry)	70	50	40
<i>Nyssa sylvatica</i> (tupelo/blackgum)	80	80	60
<i>Ostrya virginiana</i> (hophornbeam)	70	70	70
<i>Oxydendrum arboreum</i> (sourwood)	60	60	60
<i>Parrotia persica</i> (Persian parrotia)	60	60	60
<i>Phellodendron amurense</i> (Amur corktree) (male)	60	60	60
<i>Platanus x acerifolia</i> (London planetree)	70	70	70
<i>Platanus occidentalis</i> (eastern sycamore)	70	70	70
<i>Populus alba</i> (white poplar)	40	40	50
<i>Populus deltoides</i> (cottowood) (male)	60	60	70
(female)	50	50	50
<i>Populus euroamericana</i> (hybrid poplar)	40	40	40
<i>Populus grandidentata</i> (bigtooth aspen)	60	60	60
<i>Populus nigra</i> 'Italica' (lombardy poplar)	20	20	30
<i>Populus tremuloides</i> (quaking aspen)	50	50	50
<i>Prunus americana</i> (wild plum)	40	40	40
<i>Prunus armeniaca</i> (apricot)	30	30	30

Species (common name)	Percent Rating		
	5b	5a	4b
<i>Prunus cerasifera</i> (purpleleaf plum)	30	30	40
<i>Prunus maackii</i> (Amur chokecherry)	50	50	60
<i>Prunus sargentii</i> (Sargent cherry)	60	60	50
<i>Prunus serotina</i> (black cherry)	60	60	60
<i>Prunus serrulata</i> (Japanese flowering cherry)	60	60	60
<i>Prunus subhirtella</i> (Japanese weeping cherry)	40	40	40
<i>Prunus virginiana</i> (chokecherry)	30	30	40
<i>Pyrus calleryana</i> (Callery pear)	20	20	20
<i>Quercus acutissima</i> (sawtooth oak)	80	80	50
<i>Quercus alba</i> (white oak)	90	90	80
<i>Quercus bicolor</i> (swamp white oak)	90	90	80
<i>Quercus coccinea</i> (scarlet oak)	80	80	80
<i>Quercus ellipsoidalis</i> (northern pin oak)	70	70	80
<i>Quercus imbricaria</i> (shingle oak)	70	80	80
<i>Quercus lyrata</i> (overcup oak)	70	70	70
<i>Quercus macrocarpa</i> (bur oak)	90	90	80
<i>Quercus muehlenbergii</i> (chinkapin oak)	70	80	70
<i>Quercus palustris</i> (pin oak)	60	60	60
<i>Quercus phellos</i> (willow oak)	60	60	50
<i>Quercus prinus</i> (chestnut oak)	80	80	60
<i>Quercus robur</i> (English oak)	70	70	60
<i>Quercus rubra</i> (red oak)	80	80	80
<i>Quercus shumardii</i> (Shumard oak)	80	80	70
<i>Quercus stellata</i> (post oak)	60	60	40
<i>Quercus velutina</i> (black oak)	70	80	60
<i>Robinia pseudoacacia</i> (black locust)	40	40	40
<i>Salix babylonica</i> (weeping willow)	30	40	30
<i>Salix alba</i> 'Tristis' (weeping willow)	30	40	30
<i>Salix matsudong</i> 'Tortousa' (corkscrew willow)	20	20	20
<i>Salix nigra</i> (black willow)	30	30	40
<i>Sassafras albidum</i> (sassafras)	60	60	60
<i>Sorbus alnifolia</i> (Korean mountain ash)	60	60	60
<i>Sorbus americana</i> (American mountain ash)	40	40	50
<i>Sorbus aucuparia</i> (European mountain ash)	40	40	50
<i>Styphnolobium japonicum</i> (Japanese pagoda tree)	60	60	40
<i>Syringa pekinensis</i> (Peking lilac)	70	70	70
<i>Syringa reticulata</i> (Japanese tree lilac)	70	70	70
<i>Tilia americana</i> (American linden, basswood)	70	70	70
	(improved cultivars)	80	80
<i>Tilia cordata</i> (European littleleaf linden)	70	70	70
	(improved cultivars)	70	80
<i>Tilia mongolica</i> (Mongolian linden)	60	60	70

Species (common name)	Percent Rating		
	5b	5a	4b
<i>Tilia tomentosa</i> (silver linden)	70	80	70
<i>Ulmus x</i> (hybrid elm)	70	70	70
<i>Ulmus americana</i> (American elm)	60	60	70
(improved cultivars)	80	80	80
<i>Ulmus parvifolia</i> (Chinese elm, lacebark elm)	60	60	60
<i>Ulmus pumila</i> (Siberian elm)	30	30	40
<i>Ulmus rubra</i> (red, slippery elm)	40	40	40
<i>Ulmus thomasi</i> (rock elm)	50	50	50
<i>Zelkova serrata</i> (Japanese zelkova)	60	60	30

Species (common name)	Percent Rating		
	5b	5a	4b
Coniferous Trees			
<i>Abies balsamea</i> (balsam fir)	60	60	30
<i>Abies concolor</i> (white fir)	80	80	80
<i>Abies fraseri</i> (Fraser fir)	60	60	30
<i>Abies nordmanniana</i> (Nordmann fir)	60	60	60
<i>Cedrus libani atlantica</i> (Atlas cedar)	60	60	40
<i>Cedrus libani deodora</i> (doedar cedar)	60	60	40
<i>Chamaecyparis nootkatensis</i> (Alaska cedar)	70	70	70
<i>Juniperus chineses</i> (Chinese redcedar)	50	50	70
<i>Juniperus virginiana</i> (eastern redcedar)	50	60	80
<i>Larix decidua</i> (European larch)	70	70	80
<i>Larix kaempferi</i> (Japanese larch)	70	70	80
<i>Larix laricina</i> (American larch, tamarack)	50	50	60
<i>Metasequoia glyptroboides</i> (dawn redwood)	60	80	60
<i>Picea abies</i> (Norway spruce)	70	70	70
<i>Picea glauca</i> (white spruce)	70	70	80
<i>Picea glauca var. densata</i> (Black Hills spruce)	60	40	40
<i>Picea omorika</i> (Serbian spruce)	80	80	70
<i>Picea orientalis</i> (oriental spruce)	60	60	60
<i>Picea pungens</i> (Colorado spruce)	40	40	40
<i>Pinus banksiana</i> (jack pine)	30	30	40
<i>Pinus bungeana</i> (lacebark pine)	70	70	70
<i>Pinus cembra</i> (Swiss stone pine)	70	70	70
<i>Pinus flexilis</i> (Limber pine)	70	70	70
<i>Pinus koraiensis</i> (Korean pine)	70	70	70
<i>Pinus nigra</i> (Austrian pine)	20	20	20
<i>Pinus parviflora</i> (Japanese white pine)	60	60	60
<i>Pinus ponderosa</i> (ponderosa pine)	60	60	70
<i>Pinus resinosa</i> (red pine)	50	50	60
<i>Pinus strobus</i> (eastern white pine)	80	80	80
<i>Pinus sylvestris</i> (Scots pine, Scotch pine)	20	20	20
<i>Pseudotsuga menziesii</i> (Douglas fir)	70	70	70
<i>Taxodium distichum</i> (bald cypress)	90	90	80
<i>Taxus spp.</i> (yew)	70	70	70
<i>Thuja occidentalis</i> (American arborvitae)	60	60	70
<i>Thuja plicata</i> (western arborvitae)	70	70	70
<i>Tsuga canadensis</i> (Canadian hemlock)	70	70	70
<i>Thuja standishii</i> x <i>plicata</i> 'Green Giant'	70	70	70