

Guide to Landscape Appraisal of Tree Species in Kentucky Species Valuation by Percent ⁽¹⁾

10-20% Species Valuation
<i>Abies balsamea</i> (balsam fir)
<i>Ailanthus altissima</i> (tree of heaven)
<i>Albizia julibrissin</i> (mimosa)
<i>Caragana arborescens</i> (Siberian peashrub)
x <i>Cupressocyparis leylandii</i> (Leyland cypress)
<i>Elaeagnus angustifolia</i> (Russian olive)
<i>Fraxinus americana</i> (white ash, untreated for EAB)
<i>Fraxinus excelsior</i> (European ash, untreated for EAB)
<i>Fraxinus nigra</i> (black ash, untreated for EAB)
<i>Fraxinus pennsylvanica</i> (green ash, untreated for EAB)
<i>Lonicera maackii</i> (Amur bush honeysuckle)
<i>Lonicera tatarica</i> (Tatarian bush honeysuckle)
<i>Morus alba</i> (white mulberry, female)
<i>Populus nigra</i> 'Italica' (Lombardy poplar)
<i>Pyrus calleryana</i> (Callery pear)
<i>Sorbus aucuparia</i> (European mountainash)
<i>Ulmus pumila</i> (Siberian elm)

20-30% Species Valuation
<i>Abies fraseri</i> (Fraseri fir)
<i>Acer negundo</i> (boxelder)
<i>Acer pensylvanicum</i> (striped maple)
<i>Acer spicata</i> (mountain maple)
<i>Acer tegmentosum</i> (Manchustriped maple)
<i>Betula papyrifera</i> (paper birch)
<i>Betula pendula</i> (European white birch)
<i>Euonymus alata</i> (burningbush)
<i>Euonymus bungeana</i> (winterberry euonymus)
<i>Euonymus europaea</i> (European spindletree)
<i>Fraxinus excelsior</i> (European ash, treated for EAB)
<i>Fraxinus nigra</i> (black ash, treated for EAB)
<i>Fraxinus quadrangulata</i> (blue ash, untreated for EAB)
<i>Gleditsia aquatica</i> (water locust)
<i>Gleditsia triacanthos</i> (thorny honeylocust)
<i>Hibiscus syriacus</i> (rose of Sharon, non-cultivar)
<i>Laburnum watereri</i> (golden chaintree)
<i>Lagerstroemia indica</i> (common crapemyrtle)
<i>Morus rubra</i> (red mulberry)
<i>Paulownia tomentosa</i> (royal paulownia, princesstree)
<i>Robinia pseudoacacia</i> (black locust)
<i>Salix nigra</i> (black willow)
<i>Tsuga canadensis</i> (Canadian hemlock, untreated for adelgid)
<i>Tsuga caroliniana</i> (Carolina hemlock, untreated for adelgid)

30-40% Species Valuation
<i>Abies procera</i> (noble fir)
<i>Acer diabolicum</i> (devil's maple)

<i>Acer platanoides</i> (Norway maple)
<i>Acer pseudoplatanus</i> (sycamore maple)
<i>Betula platyphylla</i> (Japanese white birch)
<i>Cedrus libani deodara</i> (deodar cedar)
<i>Chamaecyparis lawsoniana</i> (Lawson falsecypress)
<i>Juniperus communis</i> (common juniper)
<i>Juniperus scopulorum</i> (Rocky Mountain juniper)
<i>Lagerstroemia fauriei</i> (Japanese crapemyrtle)
<i>Morus alba</i> (white mulberry, male)
<i>Pinus nigra</i> (Austrian pine)
<i>Populus alba</i> (white poplar)
<i>Populus deltoides</i> (cottonwood)
<i>Prunus americana</i> (wild plum)
<i>Prunus armeniaca</i> (apricot)
<i>Prunus cerasifera</i> (purpleleaf plum)
<i>Prunus serotina</i> (black cherry)
<i>Salix matsudana</i> (Hankow willow)

40-50% Species Valuation

Alnus glutinosa (European black alder)

Carya aquatica (water hickory, bitter pecan)

Carya pallida (sand hickory)

Castanea dentata (American chestnut, blight resistant hybrids)

Castanea mollissima (Chinese chestnut)

Corylus maxima (giant filbert)

Franklinia alatamaha (Franklin tree)

Fraxinus pennsylvanica (green ash, treated for EAB)

Ginkgo biloba (ginkgo, female)

Larix laricina (American larch)

Pinus banksiana (jack pine)

Pinus peuce (Macedonian pine)

Pinus ponderosa (ponderosa pine)

Pinus rigida (pitch pine)

Pinus sylvestris (Scots pine, scotch pine)

Pinus thunbergii (Japanese black pine)

Prunus besseyi (sand cherry)

Salix xalba 'Tristis' (weeping willow)

50-60% Species Valuation
<i>Acer tataricum</i> (Tatarian maple)
<i>Betula maximowicziana</i> (monarch birch)
<i>Betula populifolia</i> (gray birch)
<i>Carya glabra</i> (pignut)
<i>Chamaecyparis nootkatensis</i> (Alaska cedar)
<i>Chamaecyparis obtusa</i> (hinoki falsecypress)
<i>Chamaecyparis pisifera</i> (sawara falsecypress)
<i>Corylus americana</i> (American filbert)
<i>Corylus avellana</i> 'Contorta' (contorted filbert, Harry Lauder's walking stick)
<i>Cotinus coggygria</i> (smoketree)
<i>Crataegus crus-galli</i> (cockspur hawthorn)
<i>Heptacodium miconioides</i> (seven-son flower)
<i>Ilex pedunculosa</i> (longstalk holly)
<i>Ilex serrata</i> (Japanese winterberry)
<i>Juglans cinerea</i> (butternut)
<i>Juglans nigra</i> (black walnut)
<i>Juglans regia</i> (English walnut)
<i>Picea rubens</i> (red spruce)
<i>Pinus echinata</i> (shortleaf pine)
<i>Pinus mugo</i> (Swiss mountain pine)
<i>Pinus resinosa</i> (red pine)
<i>Pinus taeda</i> (loblolly pine)
<i>Pinus wallichiana</i> (Himalayan pine)
<i>Platycladus orientalis</i> (Oriental arborvitae)
<i>Quercus nigra</i> (water oak)
<i>Stewartia pseudocamellia</i> (Japanese stewartia)
<i>Styrax japonicus</i> (Japanese snowbell)
<i>Thuja occidentalis</i> (American arborvitae)
<i>Ulmus alata</i> (winged elm)

Ulmus carpinifolia (smoothleaf elm)

Ulmus glabra (scotch elm)

60-70% Species Valuation

Abies concolor (white fir)

Abies nordmanniana (Nordmann fir)

Acer japonicum (fullmoon maple)

Acer maximowiczianum (nikko maple)

Acer palmatum (Japanese maple)

Acer rubrum (red maple, seedling forms)

Acer saccharinum (silver maple, water maple)

Acer tataricum ginnala (Amur maple)

Aesculus xcarnea (red horsechestnut)

Aesculus flava (yellow buckeye)

Aesculus glabra (Ohio buckeye)

Aesculus hippocastanum (common horsechestnut)

Aesculus pavia (red buckeye)

Amelanchier arborea (downy serviceberry)

Amelanchier canadensis (common serviceberry)

Aralia elata (Japanese angelica)

Aralia spinosa (devil's walkingstick)

Betula lenta (sweet birch)

Betula lutea (yellow birch)

Carya cordiformis (bitternut, pignut)

Carya illinoensis (pecan)

Carya tomentosa (mockernut hickory)

Catalpa bignonioides (common catalpa)

Catalpa speciosa (northern catalpa)

Cedrus libani atlantica (Atlas cedar)

Celtis occidentalis (common hackberry)

Cercis canadensis (eastern redbud)

Cornus alternifolia (pagoda dogwood)

Cornus amomum (silky dogwood)

<i>Cornus florida</i> (flowering dogwood)
<i>Cornus kousa</i> (kousa dogwood)
<i>Cornus racemosa</i> (gray dogwood)
<i>Cotinus obovatus</i> (American smoketree)
<i>Crataegus lavalleyi</i> (lavalley hawthorn)
<i>Crataegus phaenopyrum</i> (Washington hawthorn)
<i>Crataegus viridis</i> 'Winter King' (winter king hawthorn)
<i>Diospyros virginiana</i> (persimmon)
<i>Fraxinus americana</i> (white ash, treated for EAB)
<i>Fraxinus quadrangulata</i> (blue ash, treated for EAB)
<i>Gleditsia triacanthos inermis</i> (thornless honeylocust)
<i>Hibiscus syriacus</i> (rose of Sharon, named cultivars)
<i>Larix decidua</i> (European larch)
<i>Larix kaempferi</i> (Japanese larch)
<i>Maclura pomifera</i> (Osage orange, female or unnamed selection)
<i>Magnolia fraseri</i> (Fraser magnolia)
<i>Magnolia grandiflora</i> (southern magnolia, outside western KY)
<i>Magnolia macrophylla</i> (bigleaf magnolia)
<i>Magnolia tripetala</i> (umbrella magnolia)
<i>Malus</i> sp. (crabapple, unnamed seedling)
<i>Malus pumila</i> (apple)
<i>Oxydendrum arboreum</i> (sourwood)
<i>Picea engelmannii</i> (Engelmann spruce)
<i>Picea glauca</i> (white spruce)
<i>Pinus strobus</i> (eastern white pine)
<i>Pinus virginiana</i> (Virginia pine)
<i>Pistacia chinensis</i> (Chinese pistache)
<i>Prunus</i> x 'Hally Jolivette' (Hally Jolivette cherry)
<i>Prunus sargentii</i> (Sargent cherry)
<i>Prunus serrulata</i> (Japanese flowering cherry)
<i>Prunus subhirtella</i> (Japanese weeping cherry)

<i>Prunus virginiana</i> (chokecherry)
<i>Prunus yedoensis</i> (Yoshino cherry)
<i>Pseudotsuga menziesii</i> (Douglas fir)
<i>Quercus marilandica</i> (blackjack oak)
<i>Quercus palustris</i> (pin oak)
<i>Quercus stellata</i> (post oak)
<i>Rhus copallina</i> (winged sumac, flame-leaf s., shining s.)
<i>Rhus glabra</i> (smooth sumac)
<i>Rhus typhina</i> (staghorn sumac)
<i>Sassafras albidum</i> (sassafras)
<i>Sorbus alnifolia</i> (Korean mountainash)
<i>Taxus baccata</i> (English yew)
<i>Taxus cuspidata</i> (Japanese yew)
<i>Tetradium daniellii</i> (Korean evodia)
<i>Tilia americana</i> (American linden, basswood)
<i>Tilia heterophylla</i> (white linden)
<i>Tilia mongolica</i> (Mongolian linden)
<i>Tilia petiolaris</i> (pendent silver linden)
<i>Tilia platyphyllos</i> (largeleaf linden)
<i>Tsuga caroliniana</i> (Carolina hemlock, treated for adelgid)
<i>Ulmus americana</i> (American elm, disease resistant hybrids)
<i>Ulmus procera</i> (English elm)
<i>Ulmus rubra</i> (slippery elm)
<i>Ziziphus jujuba</i> (common jujube, Chinese date)

70-80% Species Valuation
<i>Abies cilicica</i> (Cilician fir)
<i>Acer buergerianum</i> (trident maple)
<i>Acer griseum</i> x <i>maximowicziana</i> (Girard maple)
<i>Acer rubrum</i> (red maple, improved cultivars)
<i>Acer saccharum</i> (sugar maple)
<i>Acer saccharum nigrum</i> (black maple)
<i>Amelanchier xgrandiflora</i> (apple serviceberry)
<i>Amelanchier laevis</i> (Allegheny serviceberry)
<i>Asimina triloba</i> (pawpaw)
<i>Betula nigra</i> (river birch)
<i>Carpinus betulus</i> (European hornbeam)
<i>Carpinus caroliniana</i> (American hornbeam)
<i>Carpinus cordata</i> (heartleaf hornbeam)
<i>Carpinus japonica</i> (Japanese hornbeam)
<i>Carya laciniosa</i> (shellbark hickory)
<i>Carya ovata</i> (shagbark hickory)
<i>Cedrus libani stenocoma</i> (hardy cedar of Lebanon)
<i>Celtis laevigata</i> (sugar hackberry)
<i>Chionanthus retusus</i> (Chinese fringetree)
<i>Chionanthus virginicus</i> (white fringetree)
<i>Cladrastis kentukea</i> (Kentucky yellowwood)
<i>Corylus colurna</i> (Turkish filbert)
<i>Halesia tetraptera</i> (silverbell)
<i>Hamamelis mollis</i> (Chinese witchhazel)
<i>Hamamelis virginiana</i> (common witchhazel)
<i>Hydrangea paniculata</i> (peegee hydrangea)
<i>Ilex opaca</i> (American holly)
<i>Koelreuteria paniculata</i> (golden raintree)
<i>Liquidambar styraciflua</i> (sweetgum)

<i>Liriodendron tulipifera</i> (tulip poplar)
<i>Magnolia</i> sp. (magnolia, named cultivar or hybrid)
<i>Magnolia acuminata</i> (cucumber magnolia)
<i>Magnolia grandiflora</i> (southern magnolia, in western KY)
<i>Magnolia heptapeta</i> (Yulan magnolia)
<i>Magnolia liliiflora</i> (lily magnolia)
<i>Magnolia xsoulangiana</i> (saucer magnolia)
<i>Magnolia stellata</i> (star magnolia)
<i>Malus</i> sp. (crabapple, improved cultivars)
<i>Ostrya carpinifolia</i> (European hophornbeam)
<i>Parrotia persica</i> (Persian parrotia)
<i>Phellodendron amurense</i> (Amur corktree)
<i>Picea omorika</i> (Serbian spruce)
<i>Picea pungens</i> (Colorado spruce)
<i>Picea pungens</i> var. <i>glauca</i> (blue Colorado spruce)
<i>Pinus cembra</i> (Swiss stone pine)
<i>Pinus densiflora</i> (Japanese red pine)
<i>Pinus flexilis</i> (limber pine)
<i>Pinus koraiensis</i> (Korean pine)
<i>Pinus parviflora</i> (Japanese white pine)
<i>Platanus xacerifolia</i> (London planetree)
<i>Platanus occidentalis</i> (eastern sycamore)
<i>Pseudolarix kaempferi</i> (golden larch)
<i>Quercus cerris</i> (turkey oak)
<i>Quercus robur</i> (English oak)
<i>Styphnolobium japonicum</i> (Japanese pagodatree)
<i>Syringa pekinensis</i> (Peking lilac)
<i>Syringa reticulata</i> (Japanese tree lilac)
<i>Tsuga canadensis</i> (Canadian hemlock, treated for adelgid)
<i>Ulmus parvifolia</i> (Chinese elm, lacebark elm)
<i>Viburnum prunifolium</i> (blackhaw)

Viburnum rufidulum (southern blackhaw)

80-90% Species Valuation
<i>Acer campestre</i> (hedge maple)
<i>Acer griseum</i> (paperbark maple)
<i>Acer miyabei</i> (miyabe maple)
<i>Acer truncatum</i> (shantung maple)
<i>Aesculus parviflora</i> (bottlebrush buckeye)
<i>Cercidiphyllum japonicum</i> (katsuratree)
<i>Cornus mas</i> (cornelian cherry dogwood)
<i>Cornus officinalis</i> (Japanese cornelian cherry dogwood)
<i>Eucommia ulmoides</i> (hardy rubber tree)
<i>Fagus grandifolia</i> (American beech)
<i>Fagus sylvatica</i> (European beech)
<i>Gymnocladus dioica</i> (Kentucky coffeetree, female)
<i>Ilex decidua</i> (possumhaw)
<i>Juniperus chinensis</i> (Chinese juniper)
<i>Juniperus virginiana</i> (eastern redcedar)
<i>Maackia amurensis</i> (Amur maackia)
<i>Magnolia xloebneri</i> (Loebner magnolia)
<i>Magnolia virginiana</i> (sweetbay magnolia)
<i>Magnolia virginiana australis</i> (sweetbay magnolia, southern form)
<i>Metasequoia glyptostroboides</i> (dawn redwood)
<i>Nyssa aquatica</i> (water blackgum)
<i>Ostrya virginiana</i> (hophornbeam)
<i>Picea abies</i> (Norway spruce)
<i>Picea orientalis</i> (Oriental spruce)
<i>Pinus bungeana</i> (lacebark pine)
<i>Quercus acutissima</i> (sawtooth oak)
<i>Quercus coccinea</i> (scarlet oak)
<i>Quercus falcata</i> (southern red oak)
<i>Quercus imbricaria</i> (shingle oak)

<i>Quercus laurifolia</i> (laurel oak)
<i>Quercus lyrata</i> (overcup oak)
<i>Quercus muehlenbergii</i> (chinkapin oak)
<i>Quercus pagodifolia</i> (cherrybark oak)
<i>Quercus phellos</i> (willow oak)
<i>Quercus prinus</i> (chestnut oak)
<i>Quercus rubra</i> (red oak)
<i>Quercus shumardii</i> (Shumard oak)
<i>Quercus velutina</i> (black oak)
<i>Taxodium ascendens</i> (pondcypress)
<i>Taxodium distichum</i> (baldcypress)
<i>Thuja plicata</i> (western arborvitae)
<i>Tilia cordata</i> (European littleleaf linden)
<i>Tilia xeuchlora</i> (Crimean linden)
<i>Tilia tomentosa</i> (silver linden)

90-100% Species Valuation
<i>Ginkgo biloba</i> (ginkgo, male)
<i>Gymnocladus dioica</i> (Kentucky coffeetree, male cultivars)
<i>Maclura pomifera</i> (Osage orange, male cultivars)
<i>Nyssa sylvatica</i> (blackgum)
<i>Quercus alba</i> (white oak)
<i>Quercus bicolor</i> (swamp white oak)
<i>Quercus macrocarpa</i> (bur oak)
<i>Zelkova serrata</i> (Japanese zelkova)

(1) Approved by Kentucky Arborists' Association (Kentucky Chapter, International Society of Arboriculture) 18 July 2017. Comments and questions should be directed to William M. Fountain, Univ. of Kentucky Professor of Arboriculture (Bill.Fountain)

@uky.
edu).