

## **Species Classification List for Shade Tree Appraisals**

*Approved by the Missouri Consulting Foresters Association, February, 2009*  
*Approved by the Missouri Community Forestry Council, June, 2009*

<b>SCIENTIFIC NAME</b>	<b>COMMON NAME</b>	<b>GROUP</b>	<b>PERCENT</b>
Abies balsamiae	Balsam Fir	# 2	61-80%
Abies concolor	White Fir	# 1	81-100%
Acer campestre	Hedge Maple	# 2	61-80%
Acer ginnala	Amur Maple	# 2	61-80%
Acer negundo	Boxelder	# 5	5-21%
Acer nigrum	Black Maple	# 2	61-80%
Acer palmatum	Japanese Maple	# 2	61-80%
Acer platanoides 'Columnare'	Columnar Norway Maple	# 2	61-80%
Acer platanoides 'Crimson King'	Crimson King Norway Maple	# 2	61-80%
Acer platanoides Schwedleri'	Schwedler Norway Maple	# 2	61-80%
Acer platanoides 'Summershade'	Summershade Norway Maple	# 2	61-80%
Acer psuedoplatanus	Sycamore Maple	# 2	61-80%
Acer saccharinum	Silver Maple	# 3	41-60%
Acer platanoides	Norway Maple	# 1	81-100%
Acer rubrum	Red Maple	# 1	81-100%
Acer saccharum	Sugar Maple	# 1	81-100%
Acer saccharum 'Columnare'	Columnar Sugar Maple	# 1	81-100%
Aesculus glabra	Ohio Buckeye	# 2	61-80%
Aesculus hippocastanum 'Carnea'	Ruby Red Horsechestnut	# 2	61-80%
Aesculus hippocastanum	Common Horsechestnut	# 2	61-80%
Aesculus pavia	Red Buckeye	#2	61-80%
Ailanthus altissima	Ailanthus (Tree of Heaven)	# 5	5-21%
Albizia julibrissin	Mimosa	# 4	21-40%
Alnus glutinosa	Alder	# 2	61-80%
Amelanchier canadensis	Serviceberry	# 3	41-60%
Asimina triloba	Pawpaw	# 3	41-60%
Betula papyrifera	Paper Birch (Canoe)	# 4	21-40%
Betula pendula	European White Birch	#5	5-21%
Betula populifolia	Gray Birch	# 4	21-40%
Betula nigra	River Birch	# 2	61-80%
Carpinus betulus'Columnaris'	European Hornbeam	#2	61-80%
Carpinus caroliniana	American Hornbeam (Musclewood)	# 1	81-100%
Carya illinoensis	Pecan	# 3	61-80%
Carya sp.	Hickories	# 3	41-60%
Castanea dentata	American Chestnut	# 3	41-60%
Castanea mollissima	Chinese Chestnut	# 2	61-80%
Catalpa bignonioides	Southern Catalpa	#3	41-60%
Catalpa specioso	Northern Catalpa	# 3	41-60%
Celtis occidentalis	Common Hackberry	# 2	61-80%
Cercidiphyllum japonicum	Katsura Tree	# 2	61-80%
Cercis canadensis	Eastern Redbud	# 2	61-80%

<b>SCIENTIFIC NAME</b>	<b>COMMON NAME</b>	<b>GROUP</b>	<b>PERCENT</b>
<i>Cladrastis lutea</i>	American Yellowwood	# 2	61-80%
<i>Cornus alternifolia</i>	Pagoda Dogwood	# 1	81-100%
<i>Cornus florida</i>	Flowering Dogwood	# 1	81-100%
<i>Cornus florida</i> 'Cherokee Chief'	Red Flowering Dogwood	# 1	81-100%
<i>Cornus mas</i>	Cornelian Cherry	# 2	61-80%
<i>Cornus officinalis</i>	Japanese Dogwood	# 2	61-80%
<i>Corylus</i> sp	Filberts	#2	61-80%
<i>Cotinus obovatus coggyrgria</i>	Common Smoketree	# 2	61-80%
<i>Cotinus obovatus</i>	American Smoketree	# 2	61-80%
<i>Craetaegus crus-galli</i>	Cockspur Hawthorn	# 2	61-80%
<i>Craetaegus lavellii</i>	Lavelle Hawthorn	# 2	61-80%
<i>Craetaegus oxyacantha</i>	English Hawthorn	# 4	21-40%
<i>Craetaegus phaenopyrum</i>	Washington Hawthorn	# 2	61-80%
<i>Diospyrus virginiana</i>	Common Persimmon	# 3	41-60%
<i>Elaeagnus angustifolia</i>	Russian Olive	# 4	21-40%
<i>Fagus grandifolia</i>	American Beech	# 1	81-100%
<i>Fagus sylvatica</i>	European Beech	# 1	81-100%
<i>Fraxinus americana</i>	White Ash	# 2	61-80%
<i>Fraxinus nigra</i>	Black Ash	# 2	61-80%
<i>Fraxinus pennsylvanica</i>	Green Ash	# 2	61-80%
<i>Fraxinus pennsylvanica</i> 'Marshall's'	Marshall's Seedless Ash	# 2	61-80%
<i>Fraxinus quadrangulata</i>	Blue Ash	# 2	61-80%
<i>Ginkgo biloba</i>	Ginkgo (female)	# 4	21-40%
<i>Ginkgo biloba</i>	Ginkgo (male)	# 1	81-100%
<i>Gleditsia triacanthos</i>	Common Honeylocust	# 4	21-40%
<i>Gleditsia triacanthos</i> var. <i>inermis</i>	Common Honeylocust Thornless var.	# 2	61-80%
<i>Gymnocladus dioicus</i>	Kentucky Coffeetree	# 2	61-80%
<i>Helesia carolina</i>	Carolina Silverbell	# 2	61-80%
<i>Ilex opaca</i>	American Holly	# 2	61-80%
<i>Juglans cinera</i>	Butternut	# 2	61-80%
<i>Juglans nigra</i>	Eastern Black Walnut	# 2	61-80%
<i>Juniperus virginiana</i>	Eastern Redcedar	# 3	41-60%
<i>Koelreuteria paniculata</i>	Goldenrain Tree	# 2	61-80%
<i>Larix decidua</i>	European Larch	# 2	61-80%
<i>Larix laricina</i>	American Larch	# 2	61-80%
<i>Liquidambar styraciflua</i>	Sweetgum	# 1	81-100%
<i>Liriodendron tulipifera</i>	Tulip Tree (Liriodendron)	# 1	81-100%
<i>Maclura pomifera</i>	Osage Orange	# 4	21-40%
<i>Magnolia acuminata</i>	Cucumber Tree	# 2	61-80%
<i>Magnolia grandiflora</i>	Southern Magnolia	#2	61-80%
<i>Magnolia soulangiana</i>	Saucer Magnolia	# 1	81-100%
<i>Magnolia virginiana</i>	Sweet Bay Magnolia	# 2	61-80%
<i>Malus</i> sp.	Apple (Edible)	# 3	41-60%
<i>Malus</i> sp.	Flowering Crabapples	# 2	61-80%
<i>Morus alba</i>	White Mulberry	# 4	21-40%
<i>Morus alba</i> 'Urbana'	Weeping Mulberry	# 5	5-21%

<b>SCIENTIFIC NAME</b>	<b>COMMON NAME</b>	<b>GROUP</b>	<b>PERCENT</b>
Morus rubra	Red Mulberry	# 4	21-40%
Nyssa sylvatica	Blackgum	#1	81-100%
Nyssa sylvatica	Black Tupelo	# 1	81-100%
Ostrya virginiana	American hophornbeam (Ironwood)	# 3	41-60%
Oxydendron arboreum	Sourwood	# 2	61-80%
Paulownia tomentosa	Empresstree	#4	21-40%
Phellodendron amurense	Amur Cork Tree	# 2	61-80%
Picea abies	Norway Spruce	# 1	81-100%
Picea engelmannii	Englemann Spruce	# 2	61-80%
Picea glauca	White Spruce	# 2	61-80%
Picea omorika	Serbian Spruce	#2	61-80%
Picea pungens	Colorado Spruce	# 1	81-100%
Pinus banksiana	Jack Pine	# 4	21-40%
Pinus densiflora	Japanese Red Pine	#2	61-80%
Pinus echinata	Shortleaf Pine	# 2	61-80%
Pinus flexilis	Limber Pine	#2	61-80%
Pinus nigra var nigra	Austrian Pine	#4	21-40%
Pinus ponderosa	Ponderosa Pine	#4	21-40%
Pinus resinosa	Red Pine	# 3	41-60%
Pinus strobus	Eastern White Pine	# 1	81-100%
Pinus sylvestris	Scotch Pine	# 4	21-40%
Pinus taeda	Loblolly Pine	#3	41-60%
Pinus thunbergii	Japanese Black Pine	#1	81-100%
Platanus acerifolia	London Planetree	# 2	61-80%
Platanus occidentalis	American Sycamore	# 3	41-60%
Populus alba	White Poplar	# 5	5-21%
Populus deltoides	Cottonwood	# 5	5-21%
Populus grandidentata	Large Tooth Aspen	# 5	5-21%
Populus nigra 'Italica'	Lombardy Poplar	# 5	5-21%
Populus tremuloides	Quaking Aspen	# 5	5-21%
Prunus cerasifera 'Thundercloud'	Thundercloud Flowering Plum	# 3	41-60%
Prunus domestica	Garden Plum	# 2	61-80%
Prunus pennsylvanica	Pin Cherry	# 3	41-60%
Prunus sargentii	Sargent Cherry	# 4	21-40%
Prunus serotina	Black Cherry	# 3	41-60%
Prunus sp.	Flowering Cherry	# 2	61-80%
Prunus sp.	Apricot	# 3	41-60%
Prunus sp.	Peach	# 4	21-40%
Prunus sp.	Cherry (Edible)	# 2	61-80%
Prunus virginiana	Choke Cherry	# 4	21-40%
Pseudotsuga menziesii	Douglas Fir	# 2	61-80%
Pyrus calleryana	Callery Pear	# 3	41-60%
Pyrus sp.	Pear Sweet (Edible)	# 3	41-60%
Quercus acutissima	Sawtooth Oak	#2	61-80%
Quercus alba	White Oak	# 1	81-100%
Quercus bicolor	Swamp White Oak	# 1	81-100%

<b>SCIENTIFIC NAME</b>	<b>COMMON NAME</b>	<b>GROUP</b>	<b>PERCENT</b>
<i>Quercus coccinea</i>	Scarlet Oak	# 1	81-100%
<i>Quercus falcata</i>	Southern red Oak	#2	61-80%
<i>Quercus imbricaria</i>	Shingle Oak	# 2	61-80%
<i>Quercus macrocarpa</i>	Bur Oak	# 1	81-100%
<i>Quercus muehlenbergii</i>	Chinkapin Oak (Chestnut)	#2	61-80%
<i>Quercus palustris</i>	Pin Oak	# 1	81-100%
<i>Quercus phellos</i>	Willow Oak	# 2	61-80%
<i>Quercus robur</i>	English Oak	# 2	61-80%
<i>Quercus rubra</i>	Red Oak	# 1	81-100%
<i>Quercus shumardii</i>	Shumard Oak	#1	81-100%
<i>Quercus stellata</i>	Post Oak	# 2	61-80%
<i>Quercus velutina</i>	Black Oak	# 2	61-80%
<i>Robinia pseudoacacia</i>	Black Locust	# 4	21-40%
<i>Salix babylonica</i>	Weeping Willow	# 4	21-40%
<i>Salix matsudana</i> 'Tortuosa'	Corkscrew Willow	# 3	41-60%
<i>Salix</i> sp.	Willows	# 4	21-40%
<i>Sassafras albidum</i>	Sassafras	# 3	41-60%
<i>Sophora japonica</i>	Japanese Pagoda Tree	# 2	61-80%
<i>Sorbus americana</i>	American Mountain-ash	# 3	41-60%
<i>Sorbus aucuparia</i>	European Mountain-ash	# 3	41-60%
<i>Syringa amurensis japonica</i>	Japanese Tree Lilac	# 2	61-80%
<i>Taxodium distichum</i>	Common Baldcypress	# 1	81-100%
<i>Taxodium ascendens</i>	Pond Cypress	#1	81-100%
<i>Thuja occidentalis</i>	Arborvitae	# 4	21-40%
<i>Tilia americana</i>	American Linden	# 2	61-80%
<i>Tilia cordata</i>	Little-leaf Linden	# 1	81-100%
<i>Tilia tomentosa</i>	Silver Linden	#1	81-100%
<i>Tsuga canadensis</i>	Canadian Hemlock (Eastern)	# 2	61-80%
<i>Ulmus americana</i>	American Elm	# 4	21-40%
<i>Ulmus campestris</i>	English Elm	# 2	61-80%
<i>Ulmus parvifolia</i>	Chinese Elm (Parvifolia)	# 2	61-80%
<i>Ulmus parvifolia</i>	Lacebark Elm	#2	61-80%
<i>Ulmus pumila</i>	Siberian Elm (Pumila)	# 5	5-21%
<i>Ulmus rubra</i>	Slippery Elm	# 4	21-40%
<i>Ulmus thomasii</i>	Rock Elm	# 3	41-60%
<i>Zelkova serrata</i>	Japanese Zelkova	# 2	61-80%