



ILLINOIS STATE UNIVERSITY  
EXHIBIT DG-3: LANDSCAPE DESIGN GUIDELINES  
Effective February 1, 2022

I. LANDSCAPE

- A. The Illinois State University (ISU) campus is designated as **The Fell Arboretum**. The University continues to strive towards the goal of providing a diversified group of trees and shrubs on our campus. This diversification in plant material allows us to meet one of the main objectives of the Fell Arboretum, the creation of a complete living laboratory for the instructors, students, and visitors. More information can be found at <https://arboretum.illinoisstate.edu/>. The selection and planting of additional plant species, onto the ISU campus, should be done with the Fell Arboretum objectives in mind.
- B. See the *Illinois State University Design Guidelines* and the *Illinois State University Facilities Standards* for additional information.
- C. Illinois State University follows the *Tree Campus Higher Education Certification Guidelines (TCHE)*.



D. Following are the **APPROVED** tree selections for the ISU campus. Non-listed considerations require each specific item to be submitted for ISU Grounds written approval, beyond the ISU drawing review process.

Evergreen Conifers						
Botanic Name	Common Name	Type	Habit	Height (ft)	Width	Site
<i>Juniperus chinensis</i> 'Fairview'	Fairview Chinese juniper	conifer	upright narrow	20	8	PV
<i>Juniperus rigida</i> 'Pendula'	weeping needle juniper	conifer	upright weeping	35	20	PV
<i>Juniperus virginiana</i>	Eastern redcedar	conifer	upright	50	20	PV
<i>Juniperus virginiana</i> 'Canaertii'	Canaertii Eastern redcedar	conifer	upright	35	15	PV
<i>Juniperus virginiana</i> 'Hillspire'	Hillspire Eastern redcedar	conifer	upright	25	8	PV
<i>Juniperus virginiana</i> 'Taylor'	Taylor Eastern redcedar	conifer	upright	25	3	PV
<i>Abies concolor</i>	concolor fir / white fir	conifer	pyramidal	50	20	LN
<i>Abies lasiocarpa</i>	Arizona corkbark fir	conifer	pyramidal	50	20	LN
<i>Abies nordmanniana</i>	Nordmann fir	conifer	pyramidal	50	25	LN
<i>Chamaecyparis nootkatensis</i> 'Pendula'	weeping Nootka falsecypress	conifer	upright	40	15	LN
<i>Chamaecyparis nootkatensis</i> 'Van den Aker'	strict weeping Nootka falsecypress	conifer	narrow	35	8	LN
<i>Picea glauca</i> var. <i>densata</i>	Black Hills spruce	conifer	pyramidal	40	18	LN
<i>Picea omorika</i>	Serbian spruce	conifer	pyramidal	50	20	LN
<i>Picea orientalis</i>	oriental spruce	conifer	pyramidal	30-40	15-25	LN
<i>Pinus bungeana</i>	lacebark pine	conifer	broad pyramidal	25	20	LN
<i>Pinus cembra</i>	Swiss stone pine	conifer	narrow pyramidal	40	15	LN
<i>Pinus flexilis</i> 'Vanderwolf's Pyramid'	Vanderwolf's Pyramid limber pine	conifer	pyramidal	40	20	LN
<i>Pinus koraiensis</i>	Korean pine	conifer	pyramidal	40-100	25-90	LN
<i>Pinus parviflora</i>	Japanese white pine	conifer	upright spreading	30	40	LN
<i>Pinus strobus</i>	Eastern white pine	conifer	pyramidal	60-80	30-40	LN
<i>Pseudotsuga menziesii</i> var. <i>glauca</i>	Rocky Mountain douglasfir	conifer	pyramidal	50	25	LN
<i>Thuja occidentalis</i>	American arborvitae	conifer	narrow	12-40	3-15	LN
<i>Thuja plicata</i> 'Green Giant'	Green Giant Western arborvitae	conifer	narrow	40-60	12-18	LN
<i>Thuja plicata</i> 'GrovePLI'	SPRING GROVE Western arborvitae	conifer	narrow	40-60	12-18	LN
<i>Tsuga canadensis</i>	Canadian hemlock	conifer	pyramidal	60	30	GD
<i>Tsuga chinensis</i>	Chinese hemlock	conifer	pyramidal	60	30	GD

Where straight species indicated, improved cultivars will also be acceptable. When cultivars are specified, unlisted cultivars must receive case-by-case approval.

\*All caps denotes trademarked name

**Site Key**

**PV** Paved / reflective surface tolerant  
**LN** Open lawn environment  
**GD** Protected Garden + Improved soil only

**Resilience**

**Most**  
**Moderate**  
**Least**



Broadleaf Trees - Pavement and High Heat Load Siting						
Botanic Name	Common Name	Type	Habit	Height (ft)	Width	Site
<i>Acer buergerianum</i>	trident maple	tree: sm	oval	20	20	PV
<i>Acer campestre</i>	hedge maple	tree: sm	oval	30	30	PV
<i>Acer ginnala</i>	Amur maple	tree: sm	oval	20	20	PV
<i>Acer miyabei</i> 'Morton'	STATE STREET Miyabe maple	tree: med-lg	pyramidal	60	50	PV
<i>Acer nigrum</i>	black maple	tree: lg	rounded	50	50	PV
<i>Acer rubrum</i> 'Frank Jr.'	REDPOINTE red maple	tree: med	upright	45	30	PV
<i>Acer tataricum</i>	Tatarian maple	tree: sm	rounded	22	16	PV
<i>Acer tataricum</i> 'GarAnn'	HOT WINGS Tatarian maple	tree: sm	rounded	20	25	PV
<i>Acer truncatum</i> x <i>A. platanoides</i> 'Keithsform'	NORWEGIAN SUNSET maple	tree: med	oval	35	25	PV
<i>Acer truncatum</i> x <i>A. platanoides</i> 'Warrenred'	PACIFIC SUNSET maple	tree: med	oval	30	25	PV
<i>Acer xfreemanii</i>	Freeman maple - 'Autumn Blaze', AUTUMN FANTASY, CELEBRATION, FIREFALL, MATADOR, 'Marmo', 'Sienna Glen'	tree: lg	pyramidal	70	40	PV
<i>Alnus glutinosa</i>	European alder	tree: med	upright	50	30	PV
<i>Alnus hirsuta</i> 'Harbin'	PRAIRIE HORIZON Manchurian alder	tree: med	upright	30-40	20-30	PV
<i>Carpinus betulus</i> 'JFS-KW1CB'	EMERALD AVENUE European hornbeam	tree: med	ovate	40	28	PV
<i>Castanea dentata</i> 'Darling 54'	blight-resistant American chestnut	tree: lg	oval	70	70	PV
<i>Catalpa speciosa</i>	Northern catalpa	tree: lg	oval	50	35	PV
<i>Celtis laevigata</i>	sugarberry	tree: lg	arching	60-80	60-80	PV
<i>Celtis occidentalis</i>	hackberry	tree: lg	arching	50-80	50-80	PV
<i>Cornus mas</i>	Corneliancherry dogwood	tree: sm	upright	22	18	PV
<i>Corylus colurna</i>	Turkish filbert	tree: med	pyramidal	40	30	PV
<i>Crataegus crus-galli</i> 'Inermis'	thornless cockspur hawthorn	tree: sm	flat-topped	25	25	PV
<i>Crataegus phaenopyrum</i>	Washington hawthorn	tree: med	vase	25-30	20-25	PV
<i>Crataegus viridis</i> 'Winter King'	Winter King green hawthorn	tree: sm	flat-topped	20	25	PV
<i>Diospyros virginiana</i>	common persimmon	tree: med-lg	upright	50	40	PV
<i>Eucommia ulmoides</i>	hardy rubber tree	tree: med	rounded	40	40	PV
<i>Eucommia ulmoides</i> 'Empozam'	EMERALD POINTE hardy rubber tree	tree: med	columnar	40	15	PV
<i>Ginkgo biloba</i> 'Autumn Gold' or other male cv.	male ginkgo incl. cv. 'Autumn Gold', 'Golden Colonnade', 'Magyar', PRESIDENTIAL GOLD, PRINCETON SENTRY, 'Saratoga'	tree: lg	broadly pyramidal	50	40	PV
<i>Gleditsia triacanthos</i> var. <i>inermis</i>	thornless common honeylocust, prefer cv's HALKA, IMPERIAL, NORTHERN ACCLAIM, SHADEMASTER, SKYLINE,	tree: med-lg	flat-topped	40	40	PV
<i>Gymnocladus dioica</i> 'Espresso-JFS'	Espresso Kentucky coffee tree	tree: lg	oval	50	35	PV
<i>Heptacodium miconioides</i>	seven-son shrub	tree: sm	multi-stem	18	25	PV
<i>Koeleruteria paniculata</i> 'JFS-Sunleaf'	SUMMERBURST goldenrain tree	tree: med	rounded	30	30	PV
<i>Maackia amurensis</i>	Amur maackia	tree: med	upright vase	25	20	PV
<i>Maclura pomifera</i> 'White Shield'	White Shield osage orange (thornless)	tree: med	rounded	35	35	PV
<i>Malus cv.</i>	crabapple cultivars 'Adirondak', 'Candymint', 'Cardinal', 'Dolgo', GLADIATOR, GOLDEN RAINDROPS, IVORY SPEAR, LANCELOT, LOLLIPOP, MAY'S DELIGHT, PINK PRINCESS, PRAIRIFIRE, PROFESSOR SPRENGER, RASPBERRY SPEAR, RUBY TEARS, SPARKLING SPRITE, SPRING SENSATION, ZUMI CALOCARPA	tree: sm	horizontal	15	20	PV
<i>Malus sargentii</i>	Sargent crabapple	tree: sm	horizontal	10	12-15	PV
<i>Malus sargentii</i> 'Tina'	Sargent Tina crabapple	tree: dwf	horizontal	5	6	PV
<i>Platanus xacerifolia</i> 'Morton Circle'	EXCLAMATION! London planetree	tree: lg	pyramidal	60	30	PV
<i>Platanus xacerifolia</i> 'Morton Euclid'	OVATION London planetree	tree: lg	pyramidal	60	50	PV
<i>Populus deltoides</i> 'Siouxland'	Siouxland cottonwood (cottonless)	tree: lg	rounded	90	40	PV
<i>Prunus virginiana</i> 'Canada Red'	Canada Red chokecherry	tree: sm	rounded	25	20	PV
<i>Pyrus calleryana</i> 'Aristocrat'	ARISTOCRAT Callery pear	tree: med	pyramidal	40	28	PV
<i>Pyrus calleryana</i> 'Glen's Form'	CHANTICLEER pear	tree: med	fastigiata	40	15	PV
<i>Pyrus calleryana</i> 'NCPX2'	CHASTITY Callery pear (fruitless)	tree: med	broad pyramidal	35	25	PV
<i>Quercus acutissima</i>	sawtooth oak	tree: lg	rounded	60	50	PV
<i>Quercus muehlenbergii</i>	chinkapin oak	tree: med	rounded	25-40	25-40	PV
<i>Quercus robur xalba</i> 'Crimschmidt'	CRIMSON SPIRE oak	tree: med	columnar	50	15	PV
<i>Quercus robur xalba</i> 'JFS-KW1QX'	STREETSPIRE oak	tree: med	columnar	50	15	PV
<i>Quercus robur xalba</i> 'JFS-KW2QX'	SKINNY GENES oak	tree: med	columnar	50	10	PV
<i>Quercus robur xbicolor</i> 'Nadler'	KINDRED SPIRIT oak	tree: sm	columnar	30	6	PV
<i>Quercus robur xbicolor</i> 'Long'	REGAL PRINCE oak	tree: med	columnar	50	18	PV



Broadleaf Trees - Pavement and High Heat Load Siting (Continued)						
Botanic Name	Common Name	Type	Habit	Height (ft)	Width	Site
<i>Styphnolobium japonicum</i> 'Regent'	Regent Japanese pagodatree	tree: lg	upright-spreading	50	45	PV
<i>Syringa pekinensis</i> 'Morton'	CHINA SNOW Snow Peking lilac	tree: sm-med	rounded	30	25	PV
<i>Syringa pekinensis</i> 'WFH2'	GREAT WALL Peking lilac	tree: sm	upright oval	20	12	PV
<i>Syringa pekinensis</i> 'Zhang Zhiming'	BEIJING GOLD Peking lilac	tree: sm	rounded	20	15	PV
<i>Syringa reticulata</i>	Japanese tree lilac	tree: sm-med	spreading	25	30	PV
<i>Taxodium distichum</i>	common baldcypress	tree: lg	upright broad	80	60	PV
<i>Taxodium distichum</i> 'Mickelson'	SHAWNEE BRAVE baldcypress	tree: lg	upright pyramidal	60	20	PV
<i>Tilia tomentosa</i> 'PNI 6051'	GREEN MOUNTAIN silver linden	tree: med	oval	45	35	PV
<i>Tilia tomentosa</i> 'Sterling'	Sterling linden	tree: med	oval	45	35	PV
<i>Ulmus americana</i>	COLONIAL SPIRIT, 'Delaware #2', 'Jefferson', 'Lewis and Clark', 'New Harmony', 'Princeton', 'St. Croix', 'Valley Forge' or other modern DED-resistant cv's	tree: lg	vase	60-80	40-70	PV
<i>Ulmus davidiana</i> var. <i>japonica</i> 'Discovery'	Discovery Japanese elm	tree: med	vase	40	35	PV
<i>Ulmus</i> 'Frontier'	Frontier hybrid elm	tree: med	oval	40	30	PV
<i>Ulmus japonica</i> <i>x</i> <i>pumila</i> 'New Horizon'	New Horizon elm	tree: lg	oval	55	40	PV
<i>Ulmus japonica</i> <i>x</i> <i>wilsoniana</i> 'Morton'	ACCOLADE elm	tree: lg	vase	60	40	PV
<i>Ulmus parvifolia</i>	Chinese elm	tree: med	vase	40	35	PV
<i>Ulmus propinqua</i> 'JFS-Bieberich'	EMERALD SUNSHINE elm	tree: med	vase	35	25	PV
<i>Ulmus pumila</i> <i>x</i> <i>carpinifolia</i> 'Morton Stalwart'	COMMENDATION elm	tree: lg	vase	60	40	PV
<i>Ulmus wilsoniana</i> 'Prospector'	Prospector elm	tree: med	vase	40	30	PV
<i>Ulmus</i> <i>x</i> 'Homestead'	Homestead elm	tree: lg	vase	55	35	PV
<i>Ulmus</i> <i>x</i> 'Morton Glossy'	TRIUMPH elm	tree: lg	vase	60	40	PV
<i>Ulmus</i> <i>x</i> 'Patriot'	Patriot elm	tree: lg	vase	50	40	PV
<i>Zelkova serrata</i> 'Green Vase'	GREEN VASE Japanese zelkova	tree: med-lg	vase	45	30	PV
<i>Zelkova serrata</i> 'JFS-KW1'	CITY SPRITE Japanese zelkova	tree: sm	oval	25	18	PV
<i>Zelkova serrata</i> 'Musashino'	Mushashino Japanese zelkova	tree: med-lg	columnar	45	15	PV
<i>Zelkova serrata</i> 'Schmidtlow'	WIRELESS Japanese zelkova	tree: sm-med	spreading	25	35	PV
<i>Zelkova serrata</i> 'Village Green'	VILLAGE GREEN Japanese zelkova	tree: med-lg	vase	40	40	PV

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**Resilience**

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Broadleaf Trees - Open Lawn Siting, Minimal Heat Load							
Botanic Name	Common Name	Type	Habit	Height (ft)	Width	Site	
<i>Acer griseum</i>	paperbark maple	tree: med	upright, oval	35	30	LN	
<i>Acer mandshuricum</i>	Manchurian maple	tree: sm-med	upright, oval	40	30	LN	
<i>Acer pseudosieboldianum</i>	Korean maple	tree: sm	upright	25	20	LN	
<i>Acer rubrum</i> 'Franksred'	RED SUNSET red maple	tree: med	upright	45	35	LN	
<i>Acer saccharum</i> 'Bailsta'	FALL FIESTA sugar maple	tree:lg	oval	50	40	LN	
<i>Acer saccharum</i> 'Commemoration'	Commemoration sugar maple	tree: lg	oval	50	35	LN	
<i>Acer saccharum</i> 'Green Mountain'	Green Mountain sugar maple	tree:lg	oval	50	40	LN	
<i>Acer saccharum</i> 'Hiawatha 1'	OREGON TRAIL sugar maple	tree:lg	oval	45	40	LN	
<i>Acer saccharum</i> 'Legacy'	LEGACY sugar maple	tree:lg	oval	50	40	LN	
<i>Acer saccharum</i> 'Morton'	CRESCENDO sugar maple	tree: lg	oval	45	40	LN	
<i>Acer triflorum</i>	three-flowered maple	tree: sm-med	spreading	30	40	LN	
<i>Amelanchier laevis</i> 'JFS-Arb'	SPRING FLURRY serviceberry	tree: med	oval	25	20	LN	
<i>Amelanchier laevis</i> 'Snowcloud'	Snowcloud serviceberry	tree: sm	upright	25	20	LN	
<i>Amelanchier xgrandifolia</i> 'Autumn Brilliance'	Autumn Brilliance serviceberry	tree: sm	multi-stemmed	20	15	LN	
<i>Betula alleghaniensis</i>	yellow birch	tree: lg	pyramidal	50	30	LN	
<i>Betula nigra</i> 'Dickinson'	NORTHERN TRIBUTE river birch	tree: med	upright	35	30	LN	
<i>Betula papyrifera</i> 'Renci'	RENAISSANCE REFLECTION birch	tree: med	pyramidal	50	25	LN	
<i>Betula platyphylla</i> 'Fargo'	DAKOTA PINNACLE birch	tree: sm	columnar	30	8	LN	
<i>Betula platyphylla</i> 'Jefpark'	PARKLAND PILLAR birch	tree: med	columnar	40	7	LN	
<i>Betula populifolia</i> 'Whitespire Sr.'	Whitespire Sr. gray birch	tree: sm	upright	25-30	12-15	LN	
<i>Betula x</i> 'Royal Frost'	ROYAL FROST birch	tree: med	upright	30-40	15-20	LN	
<i>Betula x</i> 'White Satin'	White Satin birch	tree: lg	pyramidal	40	30	LN	
<i>Carpinus betulus</i> 'Pinnocoe'	True columnar European hornbeam	tree: med	columnar	30	8	LN	
<i>Carpinus caroliniana</i> 'JFS-KW6'	NATIVE FLAME American hornbeam	tree: sm	oval	30	20	LN	
<i>Carya illinoensis</i>	pecan	tree: lg	arching	100	70	LN	
<i>Carya laciniosa</i>	shellbark hickory	tree: lg	arching	80	40	LN	
<i>Carya ovata</i>	shagbark hickory	tree: lg	arching	80	40	LN	
<i>Cercidiphyllum japonicum</i>	Japanese katsuratree	tree: md	upright	40	40	LN	
<i>Cercidiphyllum japonicum</i> 'Pendulum'	weeping Japanese katsuratree	tree: md	upright	30	30	LN	
<i>Cercidiphyllum japonicum</i> 'Rotfuchs'	Red Fox katsuratree	tree: sm-md	upright	30	16	LN	
<i>Cercis canadensis</i> (except 'Forest Pansy')	Eastern redbud	tree: sm	spreading	30	30	LN	
<i>Chionanthus retusus</i>	Chinese fringe tree	tree: sm	oval	25	20	LN	
<i>Cladrastis kentukea</i>	American yellowwood	tree: ned	oval	35	40	LN	
<i>Cornus kousa</i> 'Milky Way Select'	Milky Way Select kousa dogwood	tree: sm	upright	20	25	LN	
<i>Cornus xrutgersensis</i> 'Rutban'	AURORA Rutgers hybrid dogwood	tree: sm-med	spreading	15	15	LN	
<i>Cornus xrutgersensis</i> 'Rutcan'	CONSTELLATION Rutgers hybrid dogwood	tree: sm-med	upright	20	15	LN	
<i>Cornus xrutgersensis</i> 'Rutdan'	CELESTIAL Rutgers hybrid dogwood	tree: sm-med	tiered	18	15	LN	
<i>Cornus xrutgersensis</i> 'Rutfan'	STARDUST Rutgers hybrid dogwood	tree: sm-med	horizontal	12	20	LN	
<i>Cornus xrutgersensis</i> 'Rutgan'	STELLAR PINK Rutgers hybrid dogwood	tree: sm-med	rounded	25	20	LN	
<i>Cornus xrutgersensis</i> 'Rutlan'	RUTH ELLEN Rutgers hybrid dogwood	tree: sm-med	spreading	20	25	LN	
<i>Cotinus obovatus</i>	American smoketree	tree: med	vase	30	30	LN	
<i>Fagus grandifolia</i>	American beech	tree: lg	oval	60	50	LN	
<i>Fagus sylvatica</i>	European beech	tree: lg	oval	60	50	LN	
<i>Fagus sylvatica</i> copperleaf columnar cultivars	European beech cultivars 'Dawyck Purple', 'Red Obelisk'	tree:med - lg	broad	45	15	LN	
<i>Fagus sylvatica</i> copperleaf spreading cultivars.	European beech cultivars 'Riversii', 'Roseomarginata', 'Spathiana'	tree:med - lg	broad	40-70	40-70	LN	
<i>Fagus sylvatica</i> greenleaf columnar cultivars	European beech cultivars 'Dawyck', 'Dawyck Gold'	tree:med - lg	broad	45	15	LN	
<i>Fagus sylvatica</i> spreading cultivars	European beech cultivars 'Asplenifolia', 'Riversii', 'Roseomarginata'	tree:med - lg	broad	40-70	40-70	LN	
<i>Fagus sylvatica</i> weeping copperleaf cultivars	European beech cultivars 'Purple Fountain', 'Purpurea Pendula', 'Tortuosa Purpurea'	tree:med - lg	weeping	40	50	LN	
<i>Fagus sylvatica</i> weeping green cultivars	European beech cultivars 'Pendula', 'Tortuosa'	tree:med - lg	weeping	40	50	LN	
<i>Liquidambar styraciflua</i> 'Moraine'	Moraine American sweetgum	tree: lg	oval	45	30	LN	
<i>Liquidambar styraciflua</i> 'Slender Silhouette'	SLENDER SILHOUTTE Am. sweetgum	tree: lg	columnar	60	8	LN	
<i>Liquidambar styraciflua</i> 'Ward'	CHEROKEE American sweetgum	tree: lg	oval	45	30	LN	
<i>Magnolia acuminata</i>	cucumbertree magnolia (green-white)	tree: lg	upright rounded	80	50	LN	
<i>Magnolia acuminata xdenudata</i> 'Butterflies'	Butterflies magnolia (yellow)	tree: med	upright rounded	40	25	LN	
<i>Magnolia acuminata xdenudata</i> 'Elizabeth'	Elizabeth magnolia (yellow)	tree: med	upright rounded	50	30	LN	
<i>Magnolia liliiflora xstellata</i> 'Anne'	Anne magnolia (purple-red)	tree: sm	spreading	10	10	LN	
<i>Magnolia liliiflora xstellata</i> 'Jane'	Jane magnolia (purple-pink)	tree: sm	spreading	10	10	LN	
<i>Magnolia xloebneri</i> 'Ballerina'	Ballerina magnolia (white)	tree: sm-med	rounded	20	25	LN	



**Broadleaf Trees - Open Lawn Siting, Minimal Heat Load (Continued)**

Botanic Name	Common Name	Type	Habit	Height (ft)	Width	Site
<i>Magnolia xloebneri</i> 'Merrill'	Merrill magnolia (white)	tree: sm-med	rounded	25	25	LN
<i>Nyssa sylvatica</i> 'David Odom'	AFTERBURNER black tupelo	tree: med	oval	35	20	LN
<i>Nyssa sylvatica</i> 'Haymanred'	RED RAGE black tupelo	tree: med	oval	35	20	LN
<i>Nyssa sylvatica</i> 'Wildfire'	WILDFIRE black tupelo	tree: med	oval	40	25	LN
<i>Ostrya virginiana</i> 'JFS-KW5'	AUTUMN TREASURE hophornbeam	tree: med	upright oval	30-40	20	LN
<i>Phellodendron amurense</i> 'His Majesty'	HIS MAJESTY corktree	tree: med	rounded	40	35	LN
<i>Phellodendron amurense</i> 'Longenecker'	EYE STOPPER corktree	tree: med	rounded	40	35	LN
<i>Populus tremuloides</i>	quaking aspen, including hybrids	tree: med	pyramidal	30-40	15-25	LN
<i>Prunus</i> 'NCPH1'	PINK CASCADE cherry	tree: dwf	weeping	12	12	LN
<i>Prunus sargentii</i> 'JFS-KW58'	PINK FLAIR Sargent cherry	tree: sm	upright vase	25	15	LN
<i>Prunus subhirtilla</i> var. <i>pendula</i>	weeping Higan cherry	tree: med	weeping	25-40	25-30	LN
<i>Prunus x'Snofozam</i> '	SNOW FOUNTAINS cherry	tree: dwf	weeping	12	12	LN
<i>Pyrus fauriei</i> 'Westwood'	KOREAN SUN pear	tree: sm	rounded	12-15	15-18	LN
<i>Quercus alba</i>	white oak	tree: lg	rounded	70	80	LN
<i>Quercus bicolor</i>	swamp white oak	tree: lg	rounded	70	80	LN
<i>Quercus coccinea</i>	scarlet oak	tree: lg	rounded	50	60	LN
<i>Quercus ellipsoidalis</i>	Northern pin oak	tree: lg	pyramidal	50	40	LN
<i>Quercus macrocarpa</i>	bur oak	tree: lg	rounded	80	90	LN
<i>Quercus macrocarpa</i> 'JFS-KW14'	COBBLESTONE oak	tree: lg	rounded	80	90	LN
<i>Quercus prinoides</i>	dwarf chestnut oak	tree: dwf	irregular	10-15	8-10	LN
<i>Quercus rubra</i>	Northern red oak	tree: lg	upright-spreading	80	70	LN
<i>Quercus schumardii</i>	Schumard oak	tree: lg	upright	40-60	30-45	LN
<i>Quercus xbebbiana</i>	white x bur hybrid oak	tree: lg	oval	40-50	40-50	LN
<i>Quercus xjackiana</i>	white x swamp white hybrid oak	tree: lg	oval	40-50	40-50	LN
<i>Quercus xschuettei</i>	Schutte oak	tree: lg	oval	40-50	40-50	LN
<i>Salix pentandra</i> 'Silverlake'	PRAIRIE REFLECTION bay-leaved willow	tree: med	oval	30-40	20-30	LN
<i>Viburnum prunifolium</i>	blackhaw viburnum	tree: sm	spreading	20	20	LN

Where straight species indicated, improved cultivars will also be acceptable. When cultivars are specified, unlisted cultivars must receive case-by-case approval.

\*All caps denotes trademarked name

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**Resilience**

- Most**
- Moderate**
- Least**

**Broadleaf Trees - Protected Garden Siting, Improved Soil**

Botanic Name	Common Name	Type	Habit	Height (ft)	Width	Site
<i>Acer palmatum</i>	Japanese maple cultivar	tree: sm	rounded	3-30	3-35	GD
<i>Aesculus xcarnea</i> 'Ft. McNair'	Fort McNair horsechestnut	tree: sm-med	rounded	35	30	GD
<i>Chionanthus virginicus</i>	fringe tree	tree: sm	spreading	18	20	GD
<i>Cornus alternifolia</i>	pagoda dogwood	tree: sm	tiered	15	18	GD
<i>Cornus alternifolia</i> 'Wstackman'	GOLDEN SHADOWS pagoda dogwood	tree: sm	tiered	25	20	GD
<i>Halesia tetraptera</i>	Carolina silverbell	tree: sm	upright spreading	30	20	GD
<i>Hamamelis vernalis</i>	vernal witchhazel	tree: sm	upright vase	15	10	GD
<i>Hamamelis virginiana</i>	common witchhazel	tree: sm				GD
<i>Hamamelis xintermedia</i>	hybrid witchhazel	tree: sm	spreading vase	10	15	GD
<i>Magnolia virginiana</i> 'Jim Wilson'	MOONGLOW sweetbay magnolia	tree: sm	oval	30	18	GD
<i>Metasequoia glyptostroboides</i>	claw redwood	tree: lg	pyramidal	100	40	GD
<i>Parrotia persica</i>	Persian parrotia	tree: sm	upright vase	30	20	GD
<i>Pseudolarix amabilis</i>	golden-larch	tree: lg	pyramidal	40-60	25-40	GD
<i>Sassafras albidum</i>	common sassafras	tree: med	irregular	40	30	GD
<i>Styrax japonicus</i> 'JFS-D'	SNOWCONE snowbell	tree: sm	rounded	25	20	GD
<i>Styrax japonicus</i> 'JFS-E'	SNOW CHARM snowbell	tree: sm	rounded	20	20	GD
<i>Styrax obassia</i>	fragrant snowbell	tree: sm	rounded	25	20	GD
<i>Taxodium ascendens</i>	pond cypress	tree: lg	upright	50	20	GD
<i>Taxodium ascendens</i> 'Carolyn Malone'	GREENFEATHER pond cypress	tree: lg	upright pyramidal	50	20	GD
<i>Tetradium daniellii</i>	Korean evodia	tree: med	spreading	30-40	40-50	GD

Where straight species indicated, improved cultivars will also be acceptable. When cultivars are specified, unlisted cultivars must receive case-by-case approval.

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E. Following are the **PROHIBITED** tree species. External agents shall not plant any of the following on the ISU campus.

Botanic Name	Common Name	Reasons
<i>Acer negundo</i>	boxelder	Weedy
<i>Acer platanoides</i> (except seedless types)	Norway maple (except seedless types)	Invasive sp.
<i>Acer saccharinum</i>	silver maple	Weedy
<i>Ailanthus altissima</i>	tree of heaven	Invasive sp.
<i>Fraxinus americana</i>	white ash	Quarantine
<i>Fraxinus pennsylvanica</i>	green ash	Quarantine
<i>Ginkgo biloba</i> (female)	ginkgo (female)	Messy
<i>Gleditsia triacanthos</i> (thorned types)	common honeylocust (thorned types)	Thorns
<i>Koelreuteria paniculata</i> (except 95% fruitless)	panicked goldenraintree	Potentially Invasive sp.
<i>Liquidambar styraciflua</i> (except 95% fruitless)	American sweetgum (except 95% fruitless)	Messy
<i>Malus</i> cultivar (except fruit <1")	crabapple (except fruit <1")	Messy
<i>Maclura pomifera</i> (except thornless / fruitless)	osage orange (except thornless / fruitless)	Messy / Thorns
<i>Morus alba</i> (except cv. 'Pendula')	white mulberry (except weeping type)	Invasive sp.
<i>Pinus sylvestris</i>	Scotch Pine	Disease Susceptible
<i>Populus alba</i>	white poplar	Weedy
<i>Populus deltoides</i> (except fruitless)	cottonwood	Weedy
<i>Pyrus calleryana</i> 'Bradford'	Bradford pear	Weak-wooded + Invasive
<i>Rhamnus cathartica</i>	European buckthorn	Invasive sp.
<i>Salix alba</i>	white willow (weeping type permitted)	Weak-wooded + Weedy
<i>Ulmus pumila</i>	Siberian elm	Invasive sp.