

PLANT LIST

Section A outlines plant species that **DO NOT MEET** characteristic requirements of Norman's climate and soil composition for trees and shrubs to thrive. These species are not recommended for use in Norman.

Section B outlines selected sustainable species that **DO MEET** characteristic requirements for Norman's climate. Species other than listed within this list may be acceptable for use in the landscape and will be considered if the species tolerates Norman's climate and soils. Plant species must be listed on a detailed landscape plan. These species are recommended for use in Norman.

It is recommended that a variety of species, rather than just one or two species, be utilized in the landscape to avoid a monoculture. Planting only one or two species can increase the probability of a plant population encountering diseases and insect infestation.

In an effort to conserve water The City of Norman promotes utilization of drought tolerant and 'Oklahoma Proven' species to assure sustainable landscapes. The following is consistent with the document of 'Oklahoma Proven Species' provided by Oklahoma State University and The Oklahoma State Agriculture, Food and Forestry Department.

SECTION A: Plant species that DO NOT MEET the required cultural characteristics suitable for Norman's climate and landscaping requirements. These species are not recommended for planting in Norman.

SECTION A

<u>TREE & SHRUB SPECIES DO NOT MEET REQUIREMENTS</u>	<u>HEIGHT</u>	<u>SPREAD</u>	<u>CHARACTERISTICS</u>
<u>Acer saccharinum</u> Silver Maple	60'	30'	Weak wooded not tolerant of wind & ice
<u>Ailanthus altissima</u> Tree-of-Heaven	30'-60'	30'-40'	Invasive species. Will survive any condition
<u>Albizzia julibrissin</u> Mimosa	40'	25'	Weak wood not tolerant of wind & ice
<u>Broussonetia papyrifera</u> Paper Mulberry	50'	35'	Invasive species. Will survive any condition
<u>Fraxinus pennsylvanica</u> Green Ash	70'	40'	Cannot tolerate clay soil prone to borers
<u>Juniperus virginiana</u> Eastern Red Cedar	30-40'	20'	Susceptible to some cedar diseases
<u>Liriodendron tulipifera</u> Tulip Tree	80'	50'	Requires excellent site is weak wooded
<u>Populus alba</u> White Poplar	70'	40'	Weak wooded
<u>Populus deltoids</u> Cottonwood	100'	60'	Requires rich soil prone to wind damage
<u>Prunus laurocerasus</u> Common Laurelcherry	25'	15'	Not drought and heat tolerant
<u>Prunus serotina</u> Black Cherry	50'	25'	Not drought tolerant, requires good soil
<u>Pyrus calleryana</u> Callery or 'Bradford' Pear	50'	30'	Poor branching prone to wind& ice damage
<u>Quercus palustris</u> Pin Oak	80'	40'	Requires rich soil, sensitive to high pH
<u>Ulmus pumila</u> Siberian Elm	40'	30'	Elm leaf beetle will destroy a population

SECTION B: Plant species that DO MEET required cultural characteristics suitable for Norman's climate and landscaping requirements. These species are recommended for planting in Norman.

OKLAHOMA PROVEN SPECIES NOTED IN CHARACTERISTICS (*OP).

DECIDUOUS TREES	HEIGHT	SPREAD	CHARACTERISTICS
<u>Acer ginnala</u> Amur Maple	15-25'	15-20'	Drought tolerant
<u>Acer rubrum</u> Red Maple	50'	30'	Drought tolerant
<u>Acer saccharum</u> Caddo Sugar Maple	50-75'	30-50'	Drought tolerant *OP
<u>Betula nigra</u> River Birch	60-70'	40'	Drought tolerant
<u>Cercis Canadensis</u> 'Oklahoma' Oklahoma Redbud	15-30'	10-15'	Drought tolerant *OP
<u>Chilopsis linearis</u> Desert Willow	15-20'	10-15'	Drought tolerant
<u>Eleagnus angustifolia</u> Russian Olive	25'	15'	Drought tolerant
<u>Fraxinus pennsylvanica</u> <u>lanceolata</u> Urbanite Ash	40-70'	20-30'	Drought tolerant
<u>Ginkgo biloba</u> Chinese Maidenhair	20-40'	15-25'	Drought tolerant
<u>Gleditsia triacanthos</u> Thornless Honeylocust	40-60'	30'	Drought tolerant
<u>Gymnocladus dioica</u> Kentucky Coffee Tree	60'	30'	Drought tolerant *OP
<u>Koelreuteria paniculata</u> Goldenrain Tree	40-60'	30-40'	Drought tolerant
<u>Malus</u> spp. 'Prairifire' Crabapple	20'	15'	Drought tolerant *OP
<u>Nyssa sylvatica</u> Black Gum	80'	40'	Drought tolerant *OP
<u>Pistache chinensis</u> Chinese Pistache	30-50'	15-25'	Drought tolerant *OP
<u>Platanus acerifolia</u> London Planetree	65-90'	25-50'	Drought tolerant
<u>Quercus macrocarpa</u> Bur Oak	70'	50'	Drought tolerant *OP
<u>Quercus nigra</u> Water Oak	40-90'	20-40'	Drought tolerant

<u>SECTION B</u>			
DECIDUOUS TREES	HEIGHT	SPREAD	CHARACTERISTICS
<u>Quercus rubra</u> Northern Red Oak	60-80'	25-30'	Drought tolerant
<u>Quercus shumardii</u> Shumard Oak	40-90'	20-40'	Drought tolerant *OP
<u>Sapindus drummondi</u> Western Soapberry	25-40'	15-25'	Drought tolerant
<u>Taxodium distichum</u> Bald Cypress	70'	35'	Drought tolerant *OP
<u>Ulmus Americana</u> var. American Elm-Dutch Elm resist	60'	40'	Drought tolerant
<u>Ulmus crassifolia</u> Cedar Elm	60'	30'	Drought tolerant *OP
<u>Ulmus parvifolia</u> Lacebark Elm	40-60'	30-40'	Drought tolerant

DECIDUOUS SHRUBS	HEIGHT	SPREAD	CHARACTERISTICS
<u>Berberis thunbergii</u> Barberry	1-2'	3-5'	Semi-Drought tolerant
<u>Buddleia davidii</u> Butterfly Bush	4-10'	10'	Drought tolerant
<u>Euonymus alata</u> Burning Bush	2'	4-5'	Drought tolerant
<u>Forsythia spp.</u> Forsythia	4-10'	Spreading 4-6'	Drought tolerant, Tolerates range of soil
<u>Hibiscus syriacus</u> Rose-of-Sharon	6-10'	4-6'	Drought tolerant Tolerates range of soil
<u>Lagerstroemia indica</u> Crape myrtle	8-15'	4-6'	Drought tolerant *OP
<u>Viburnum carlesii</u> Korean spice Viburnum	4-8'	5'	Drought tolerant *OP

SECTION B

EVERGREEN TREES	HEIGHT	SPREAD	CHARACTERISTICS
<u>Cedrus atlantica</u> Atlas Cedar	15-25'	12-15'	Drought tolerant
<u>Cupressus arizonica</u> Arizona Cypress	20-40'	6-8'	Drought tolerant *OP
<u>Euonymus kiautschovicus</u> Spreading Euonymus	4-7'	3-4'	Drought tolerant
<u>Ilex cornuta</u> Chinese Holly	6-8'	4-5'	Drought tolerant
<u>Ilex opaca</u> American Holly	12-25'	6-8'	Semi-Drought tolerant
<u>Ligustrum lucidum</u> Wax Leaf Privet	5-6'	3-4'	Drought tolerant
<u>Pinus ponderosa</u> Ponderosa Pine	20-25'	6-10'	Drought tolerant
<u>Pinus taeda</u> Loblolly Pine	60-80'	30-50'	Drought tolerant

EVERGREEN SHRUBS	HEIGHT	SPREAD	CHARACTERISTICS
<u>Euonymus japonicus</u> Evergreen Euonymus	6-8'	2-4'	Drought tolerant
<u>Ilex vomitoria</u> Yaupon Holly	6-10'	4-6'	Drought tolerant
<u>Juniperus chinensis</u> Pfitzer Juniper	3-6'	4-6'	Drought tolerant
<u>Juniperus sabina</u> Savin Juniper	spreading	3-5'	Drought tolerant
<u>Ligustrum japonicum</u> Wax Leaf Ligustrum	12-15'	10-12'	Drought tolerant, tolerates all soils
<u>Ligustrum sinense</u> Privet	4-6'	5-6'	Drought tolerant, tolerates all soils
<u>Lonicera fragrantissima</u> Winter Honeysuckle	8' climbing	6'	Drought tolerant
<u>Lonicera xylosteum</u> Dwarf Honeysuckle	Climbing 4'	4-5'	Drought tolerant
<u>Mohonia bealei</u> Leatherleaf Mahonia	5'	3'	Drought tolerant, Wide range of soils
<u>Myrica cerifera</u> Southern Wax Myrtle	8'	4'	Drought tolerant *OP
<u>Nandina domestica</u> Nandina	3-10'	2-4'	Drought tolerant
<u>Pyracantha coccinea</u> Scarlet Firethorn	7-10'	5-8'	Drought tolerant

The following list details Ornamental Perennial species designed to supplement the landscape with drought tolerant species that provide seasonal interest and require very low maintenance.

<u>PERENNIALS</u>	<u>HEIGHT</u>	<u>SPREAD</u>	<u>CHARACTERISTICS</u>
Autumn Sage	2'	2'	Drought tolerant, red or pink flower *OP
Black Eyed Susan	2'	spreads	Drought tolerant, bright yellow flower with black center
Cone Flower	2'Clumping	1'	Drought tolerant, Purple and white flower *OP
Coreopsis	1'	1'	Drought tolerant, yellow flower
Gaura	2'	2'	Drought tolerant, pink and white flower *OP
Lantana	3'	3'	Drought tolerant, Pink and yellow or orange, white flowers
Maiden Hair Grass	5'	3'	Drought tolerant, Feathery plums
Maiden Hair Grass 'Hamlin'	2'	1'	Drought tolerant, Compact small plumes
Mexican Feather Grass	1'	1'	Drought tolerant, stays green seasonally*OP
Red Yucca	2'	3'	Drought tolerant, Red spike flower
Russian Sage	3'	2'	Drought tolerant, Purple flower on stem
White Yucca	2-4'	2-3'	Drought tolerant