
B. Plant List

See Appendix A (City of Sedona Approved Landscape Plant List); LDC Section 5.6 (Landscaping)

(1) Intent

- a. The City of Sedona Approved Landscape Plant List (Appendix A) is intended for use by development projects that must comply with the LDC Section 5.6 (Landscaping).
- b. Residents may use the list as a reference when choosing plants for their home.

(2) Purpose

The purpose of the Plant List is to apply the Community Plan vision to the landscape component of the built environment, specifically the Sense of Place, Environmental Stewardship, and Sustainability goals.

- a. **Sense of Place**
The built landscape can and should mirror Sedona's unique natural environment. Landscaping is an important and very visible component of the built environment, especially in commercial developments seen from the highway. The use of native plants is intended to blend the built landscape with the surrounding natural landscape by incorporating the same plants.
- b. **Sustainability and Water Conservation**
Maintaining a sustainable environment is a fundamental goal of the community. How this relates to landscaping is the desire for a healthy, diverse, and productive ecosystem that can be sustained over time without depleting or impacting natural, cultural, or economic resources.

(3) Listed Plants

See Appendix A

The Plant List (Appendix A) features plants that are considered water-wise or low water use plants, unless listed as riparian.

- a. The plant list includes three categories: native, adaptive, and riparian plants. A separate list includes invasive weeds.
- b. Given the LDC requirement regarding the minimum size of shrubs, the Plant List does not include shrubs or cacti that are typically less than 2' in height.
- c. Cacti can be used in place of shrubs.
- d. To propose plants not on the Plant List, at least two sources should confirm suitability (i.e. low water use and zone compatibility). See Resources list below for references.

(4) Native Plants

See LDC Section 5.6.C (Landscaping and Buffering)

The LDC requires "a minimum of 50 percent of the plant species on a development site shall be native species".

- a. **Criteria**
Plants are listed as "native" if they are known to meet the following criteria.
 1. Naturally occur in the region surrounding Sedona

2. Occur at elevations between 3,500' – 5,500'
3. Occur in the Verde Valley, below the Mogollon Rim.

Species from outside this area, but native to Arizona or the Four Corners region can be found under Adaptive Trees or Shrubs and are listed as regionally native.

b. Benefits of native plants:

1. Adapted and tolerant of local conditions (temperatures, rainfall, soils) and thus more resistant to drought, heat, and freezing.
2. Ecological benefits:
 - i. Wildlife habitat (food and shelter) that attracts and supports birds and other wildlife
 - ii. Key components of the local ecosystem and established food chain (i.e. plants/seed/pollen – insects/birds/bats)
 - iii. Pollinators such as hummingbirds, butterflies, bees, and bats have a mutually beneficial relationship with native plants
3. Low maintenance once established
 - i. No or less pruning, mowing or mulching
 - ii. No or less fertilizers and pesticides
 - iii. Use less water once established as native plants are adapted to Sedona's arid environment.
4. Compensates for the native plants lost to development.
5. Mirrors the natural vegetation that combined with the red rocks is the scenic landscape that attracts residents and visitors to Sedona's scenic beauty and sense of place.

(5) Adaptive Plants

See Appendix A and LDC Section 5.6.C (Landscaping and Buffering).

The LDC requires "a minimum of 50 percent of the plant species on a development site shall be native species" and that adaptive plants are to be used for the balance of plant species on a development site.

a. Criteria

Plants listed as adaptive were selected based on the following criteria.

1. Low water use
2. Tolerance for Sedona's temperature extremes.

b. References

USDA zone 8a and 8b and the Sunset Western Garden Zone 10.

(6) Riparian Plants:

Selected native plants that are found in riparian zones are included on the Plant List (Appendix A). These plants require more than average water and are only appropriate for use in the Oak Creek riparian corridor.

(7) Resources

The following are resources that can provide details about many of the native and adaptive plants found on the plant list.

- a. The New Western Garden Book: The Ultimate Gardening Guide. The Editors of Sunset. 2012.
- b. Native Plants Database (www.wildflower.org/plants). The Lady Bird Johnson Wildflower Center at The University of Texas at Austin.
- c. Missouri Botanical Garden Plant Finder (www.missouribotanicalgarden.org/plantfinder/plantfindersearch.aspx)
- d. SEINet plant database (www.swbiodiversity.org/seinet)
- e. USDA-NRCS PLANTS Database (www.plants.usda.gov)
- f. USDA Plant Hardiness Zones (<http://planthardiness.ars.usda.gov>)
- g. Yavapai County Native and Naturalized Plants, Yavapai County Cooperative Extension (<https://cals.arizona.edu/yavapaiplants/>)

(8) Invasive Weed List***See Appendix B***

Plants on the “Invasive Weed List” (Appendix B) are prohibited. The plants on the list are non-native, invasive or potentially invasive species, focusing on those species of concern in Sedona. There may be additional, potentially invasive species not listed that are on county and state weed lists.

Chapter 4: Appendices

4.1. Appendix A: City of Sedona Approved Plant List

See Section 2.4 Landscaping and LDC Section 5.6 (Landscaping, Buffering, and Screening)

TREES			
NATIVE TREES			
Scientific Name	Common Name	D/E	Synonyms/Notes
<i>Celtis reticulata</i>	Netleaf Hackberry	D	<i>C. laevigata</i> var. <i>reticulata</i>
<i>Chilopsis linearis</i>	Desert Willow	D	
<i>Cupressus glabra</i>	Smoothbark Arizona Cypress	E	<i>C. arizonica</i> var. <i>glabra</i>
<i>Juniperus arizonica</i>	Redberry Juniper	E	
<i>Juniperus deppeana</i>	Alligator Juniper	E	
<i>Juniperus osteosperma</i>	Utah Juniper	E	
<i>Juniperus scopulorum</i>	Rocky Mountain Juniper	E	
<i>Pinus edulis</i>	Pinyon Pine	E	
<i>Prosopis velutina</i>	Velvet Mesquite	D	<i>P. juliflora</i>
<i>Quercus arizonica</i>	Arizona White Oak	E	
<i>Quercus emoryi</i>	Emory Oak	E	
<i>Quercus gambelii</i>	Gambel Oak	D	
<i>Sapindus Saponaria</i> var. <i>drummondii</i>	Western Soapberry	D	<i>S. drummondii</i>

*Deciduous or Evergreen

RIPARIAN			
NATIVE RIPARIAN TREES			
Scientific Name	Common Name	D/E	Synonyms/Notes
<i>Acer negundo</i>	Boxelder	D	
<i>Alnus oblongifolia</i>	Arizona Alder	D	
<i>Baccharis salicifolia</i>	Seepwillow	D	
<i>Cornus sericea</i>	Red Osier Dogwood	D	shrub
<i>Fraxinus velutina</i>	Arizona Ash	D	
<i>Juglans major</i>	Arizona Walnut	D	
<i>Platanus wrightii</i>	Arizona Sycamore	D	
<i>Populus fremontii</i>	Fremont Cottonwood	D	
<i>Salix exigua</i>	Coyote Willow	D	shrub
<i>Salix gooddingii</i>	Goodings Willow	D	
<i>Salix laevigata</i>	Red Willow	D	

ADAPTIVE TREES				
Scientific Name	Common Name	D/E	RN	Synonyms/Notes
<i>Acer glabrum</i>	Rocky Mountain Maple	D	X	
<i>Acer grandidentatum</i>	Bigtooth Maple	D	X	
<i>Arbutus arizonica</i>	Arizona Madrone	E	X	<i>A. unedo</i>
<i>Celtis occidentalis</i>	Common Hackberry	E	X	
<i>Cercis occidentalis</i>	Western Redbud	D	X	
<i>Chitalpa x tashkentensis</i>	Chitalpa	D		
<i>Ebenopsis ebano</i>	Texas Ebony	E		<i>Pithecellobium flexicule</i>
<i>Fraxinus greggii</i>	Little Leaf Ash	E	X	
<i>Eysenhardtia orthocarpa</i>	Arizona Kidneywood	D	X	
<i>Juniperus monosperma</i>	One-seed Juniper	E	X	
<i>Leucaena retusa</i>	Golden Leadball Tree	D		
<i>Maclura pomifera</i>	Osage Orange	D		
<i>Pinus monophylla</i>	Singleleaf Pinyon	E	X	
<i>Pistacia chinensis</i>	Chinese Pistache	D		
<i>Prosopis glandulosa</i>	Honey Mesquite	D	X	
<i>Prosopis pubescens</i>	Screwbean Mesquite	D	X	
<i>Prunus americana</i>	Wild Plum	D		
<i>Prunus serotina</i>	Black Cherry	D	X	
<i>Quercus sp.</i>	Oak trees	E	X	
<i>Robinia x ambigua</i>	Locust 'Purple Robe'	D		
<i>Sophora secundiflora</i>	Texas Mountain Laurel	E		Tree or shrub
<i>Ungnadia speciosa</i>	Mexican Buckeye	D		

D/E=Deciduous or Evergreen, RN = Regionally Native

SHRUBS		
NATIVE SHRUBS		
Scientific Name	Common Name	Synonyms/Notes
<i>Acacia constricta</i>	Whitethorn Acacia	
<i>Acacia greggii</i>	Catclaw Acacia	
<i>Amelanchier utahensis</i>	Utah Serviceberry	
<i>Arctostaphylos pungens</i>	Pointleaf Manzanita	
<i>Arctostaphylos pringlei</i>	Pringles Manzanita	
<i>Atriplex canescens</i>	Four-wing Saltbush	
<i>Baccharis sarothroides</i>	Desert Broom	
<i>Berberis fremontii</i>	Fremont Barberry	<i>Mahonia fremontii</i>
<i>Berberis haematocarpa</i>	Red Barberry	<i>Mahonia haematocarpa</i>
<i>Canotia holacantha</i>	Crucifixion Thorn	
<i>Ceanothus greggii</i>	Desert Ceanothus	
<i>Ceanothus integririmus</i>	Buckbrush	
<i>Krascheninnikovia lanata</i>	Winterfat	<i>Ceratoides lanata</i>
<i>Cercocarpus breviflorus</i>	Mountain Mahogany	<i>C. montanus</i> var. <i>paucidentatus</i>
<i>Dalea formosa</i>	Feather Dalea	
<i>Ephedra viridis</i>	Mormon Tea	
<i>Ericameria laricifolia</i>	Turpentine Bush	
<i>Fallugia paradoxa</i>	Apache Plume	
<i>Fendlera rupicola</i>	Fendlerbush	
<i>Forestiera neomexicana</i>	New Mexico Olive	<i>F. pubescens</i>
<i>Frangula californica</i>	California Buckthorn	
<i>Fraxinus anomala</i> var. <i>lowellii</i>	Lowells Ash	
<i>Garrya wrightii</i>	Wright's Silktassel	
<i>Garrya flavescens</i>	Yellow Silktassel	
<i>Gutierrezia sarothrae</i>	Snakeweed	
<i>Larrea tridentata</i>	Creosote	
<i>Lycium pallidum</i>	Wolfberry	
<i>Ptelea trifoliata</i>	Hop Tree	
<i>Purshia stansburiana</i>	Cliff Rose	<i>Cowania Mexicana</i> ; <i>P. subintegra</i>
<i>Quercus palmeri</i>	Palmer Oak	<i>Q. dunnii</i>
<i>Quercus turbinella</i>	Scrub Oak	
<i>Rhamnus ilicifolia</i>	Hollyleaf Buckthorn	
<i>Rhus glabra</i>	Smooth Sumac	
<i>Rhus ovata</i>	Sugar Sumac	
<i>Rhus trilobata</i>	Three Leaf Sumac	Skunkbush, Squawbush
<i>Ribes aureum</i>	Golden Currant	
<i>Robinia neomexicana</i>	New Mexico Locust	
<i>Symphoricarpus rotundifolius</i>	Roundleaf Snowberry	
<i>Ziziphus obtusifolia</i>	Graythorn	

ADAPTIVE SHRUBS			
Scientific Name	Common Name	RN	Synonyms/Notes
<i>Amelanchier alnifolia</i>	Serviceberry	X	
<i>Amorpha canescens</i>	Lead Plant		
<i>Anisacanthus quadrifidus</i>	Desert Honeysuckle		
<i>Arctostaphylos sp.</i>	Manzanita	X	
<i>Artemisia sp.</i>	Sage	X	Some are regionally native
<i>Baccharis pilularis</i>	Coyote Brush	X	
<i>Berberis sp.</i>	Barberry		
<i>Caesalpinia gilliesii</i>	Yellow Bird-of-Paradise		
<i>Calliandra eriophylla</i>	Fairy Duster		
<i>Caryopteris clandonensis</i>	Bluebeard		
<i>Ceanothus fendleri</i>	Fendlers Ceanothus		
<i>Chamaebatiaria millefolium</i>	Fernbush		
<i>Chrysactinia mexicana</i>	Damianita		
<i>Cistus sp.</i>	Rockrose		
<i>Cleome isomeris</i>	Bladderpod	X	
<i>Cotoneaster sp.</i>	Cotoneaster		
<i>Dalea frutescens</i>	Black Dalea		
<i>Encelia farinosa</i>	Brittlebush		
<i>Ephedra sp.</i>	Mormon Tea	X	
<i>Fremontodendron californicum</i>	California Flannelbush	X	
<i>Genista sp.</i>	Broom		
<i>Holodiscus dumosus</i>	Mountain Spray	X	<i>Cliff Spirea</i>
<i>Juniperus sp.</i>	Junipers	X	
<i>Lavandula stoechas</i>	Spanish Lavender		
<i>Leucophyllum frutescens</i>	Texas Ranger		
<i>Lycium andersonii</i>	Desert Wolfberry	X	
<i>Mahonia aquifolium</i>	Oregon grape		
<i>Philadelphus lewisii</i>	Mock Orange	X	
<i>Potentilla fruticosa</i>	Shrubby Cinquefoil	X	<i>Dasiphora fruticosa</i>
<i>Prunus fasciculata</i>	Desert Almond	X	
<i>Quercus sp.</i>	Oak shrubs	X	
<i>Rhus sp.</i>	Sumac	X	
<i>Rosmarinus officinalis</i>	Rosemary		
<i>Salvia greggii</i>	Autumn Sage		
<i>Santolina chamaecyparissus</i>	Gray Santolina		
<i>Senecio spartoides</i>	Broom Groundsel		
<i>Senna wislizenii</i>	Shrubby Senna	x	
<i>Shepherdia argentea</i>	Silver Buffaloberry	x	
<i>Vauquelinia californica</i>	Arizona Rosewood	x	Shrub or tree

CACTI AND SUCCULENTS

NATIVE CACTI AND SUCCULENTS

Scientific Name	Common Name	Notes
<i>Agave parryii</i>	Parry's Agave	
<i>Cylindropuntia leptocaulis</i>	Desert Christmas Cactus	
<i>Cylindropuntia whipple</i>	Whipple Cholla	
<i>Yucca baccata</i>	Banana Yucca	
<i>Yucca elata</i>	Soaptree Yucca	
<i>Fouquieria splendens</i>	Ocotillo	
<i>Nolina microcarpa</i>	Beargrass	
<i>Opuntia engelmannii</i>	Engelmanns Prickly Pear	
<i>Opuntia phaeacanthus</i>	Brownspine Prickly Pear	

ADAPTIVE CACTI

<i>Agave americana</i>	Century Plant	
<i>Agave chrysantha</i>	Chrysantha Agave	
<i>Agave palmeri</i>	Palmer's Agave	
<i>Agave weberi</i>	Weber's Agave	
<i>Dasyliirion wheeleri</i>	Desert Spoon	
<i>Ferocactus cylindraceus</i>	Compass Barrel	
<i>Hesperaloe parviflora</i>	Red Yucca	
<i>Opuntia santa-rita</i>	Santa Rita Prickly Pear	
<i>Yucca rigida</i>	Blue Yucca	
<i>Yucca pallida</i>	Paleleaf Yucca	