

Park Strip Plants FOR SALT LAKE CITY

Prepared by

Salt Lake City Department of Public Utilities

Salt Lake City, Utah
June 2005

Explanation of Column Headings

Water Zones identify the minimum amount of water a plant needs in order to survive after it is established in the landscape. It should be understood that, while plants will survive with the amounts of water indicated, some plants may not maintain their best appearance without some additional water. Additionally, during periods of extended droughts, even xeric plants might benefit from periodic supplemental watering. It is assumed that the establishment period will be a minimum of two years during which more frequent supplemental water may be needed. Water zones, as used in this list, are defined as follows:

- 0** No supplemental water is required after plants are established
- 1** At least 1 inch of supplemental water per month may be required after plants are established.
- 2** At least 1 inch of supplemental water every two weeks may be required after plants are established.

Plants requiring more than 1 inch of supplemental water every two weeks are not considered “water conserving” or “drought tolerant” plants for the purposes of this list.

Botanical name is the scientific name that identifies plants using a system called binomial nomenclature; that is, by grouping plants with more or less similar physical traits together through levels of classifications: genus, species, varieties, and cultivars. Each plant has only one botanical name, making it unique from any other plant, unlike common names, which may vary region to region. Botanical name has been abbreviated to include only the genus, species, and, if necessary, the variety; few cultivars or hybrids are named. The genus followed by “sp.” (singular), or “spp.” (plural) indicates that there are several different species of a plant which all have similar characteristics.

While a plant has only one botanical name it may have several **common names**. In compiling this list an attempt has been made to determine the most widely used common names.

Mature size is considered to be the average size a plant could be expected to grow with proper care and the amount of water indicated. Actual size of a given plant at a given location may vary.

Minimum size at planting is the size required by the Salt Lake City Zoning Ordinance, Chapter 24, for trees and shrubs that are planted for the purpose of establishing a visual screen. A blank in this column indicates that either there is no specific requirement or that a shrub is not generally used as a hedge or screen. When the terms “pot”, “container”, or “caliper” are used to describe minimum size at planting, the established American Standard for Nursery Stock shall apply. That is:

- “All container grown (deciduous or conifer) shrubs shall be healthy, vigorous, well-rooted and established in the container in which they are sold. They shall have tops which are of good quality and are in a healthy growing condition.”

“An established container grown (deciduous or conifer) shrub shall be a (deciduous or conifer) shrub transplanted into a container and grown in that container sufficiently long for the new fibrous roots to have developed so that the root mass will retain its shape and hold together when removed from the container.”

- Container size may be converted to minimum height/spread as follows:

2 gallon	=	12” to 15” height or spread
5 gallon	=	18” to 24” height or spread

- “Caliper”, for the purpose of this list, is defined as the diameter of the trunk measured 6 inches above ground level.

NOTE: Minimum planting sizes do not apply to single family residential landscapes.

Height Value is the relative height of a plant for purposes of using the design templates found at www.slch2o.com/conservation. Plants are divided into four categories:

- “L” are low plants 6 inches in height or lower
- “M” are medium height plants ranging from 6 to 12 inches (including flowers)
- “H” at 12 to 18 inches are the tallest allowable height for plants that form a continuous groundcover
- “A” are the accents plants, the tallest plants in the parkstrip and range from 18 to 36 inches

Area Value is the area of the plant canopy. Using this number, a designer or planner can determine the total area comprised by a single plant grouping or an entire landscape. Specific spacing recommendations were not made on the list to allow for a more creative use of plants and to recognize that a plant might be used differently in various landscapes.

If you are in need of guidelines to determine an appropriate average spacing of a plant on the list, consult the SPACING column. To create a massed effect, place plants closer together so that branches overlap and mingle. For specimen plants, keep plants farther apart so that the plants form becomes distinct.

A standard guide is to plant on centers (that is, from plant center to plant center) equaling, or slightly smaller than the diameter.

For long term health and sustainability of a landscape, allow plants adequate room to meet full growth without over crowding.

Spacing is the distance apart that plants need to be placed for area value to be applicable

Light refers to the sunlight conditions for optimal plant growth and health

- “Full Sun” means at least 8 hours of unobstructed direct sunlight, ideally including the brightest and hottest part of the day
- “Part Sun” means at least 4 hours of unobstructed direct sunlight; these plants can tolerate direct sunlight during the hottest part of the day
- “Part Shade” refers to plants that prefer either morning or late day sun; while accepting of some direct sunlight, they should not be in full sun during the hottest hours of the day (typically from 11 am to 4 pm)
- “Full Shade” plants tolerate very little direct sun, especially if they are on a “low water diet;” ideally suited for eastern or northern exposures or under the canopy of a broad tree

The **comments** column contains qualifying statements and/or unique cultural requirements that affected the determination of water zones. This column has also been used to provide additional general information about a plant.

LIST OF WATER-CONSERVING PLANTS

Amended April 2004

WATER ZONE	BOTANICAL NAME	COMMON NAME	MATURE SIZE H x W	HEIGHT VALUE	AREA VALUE (sq ft)	SPACING	LIGHT	COMMENTS
Groundcovers								
0	Mahonia repens	Creeping Oregon Grape	2' x 6'	H	28'	5'	Part to full shade	Evergreen. Utah native. Dry shade
1	Alyssum montanum	Mountain Gold Alyssum	4" x 15"	L	1'	15"	Sun to part shade	Bright yellow flowers in early spring cover gray green foliage.
1	Anacyclus depressus	Mount Atlas Daisy	2" x 18"	L	1.75'	18"	Full sun	Silvery green foliage; bright white daisy-like flower mid spring
1	A. rosea	Pink Pussy Toes	4" x 18"	L	1.75'	18"	Sun to part shade	Utah native; silvery foliage, rosy pink ball shaped flowers
1	Antennaria parviflora;	Pussy Toes	4" x 18"	L	1.75'	18"	Sun to part shade	Utah native; silvery foliage, pale pink to white ball shaped flowers
1	Cerastium tomentosum	Snow In Summer	8" x 24"	M	3'	24"	Full sun	Mat-forming, silvery white foliage; very white spring flower; will die out in center if over-watered. May be invasive
1	Convallaria majalis	Lily-Of-The-Valley	8" x 24"	M	3'	24"	Part to full shade	Dark green foliage; white bell shaped, fragrant flowers in early spring.
1	Fragaria sp.	Wild Strawberry	2" x 24"	L	3'	24"	Sun to part shade	Utah Natives F. vesca and F. virginiana

WATER ZONE	BOTANICAL NAME	COMMON NAME	MATURE SIZE H x W	HEIGHT VALUE	AREA VALUE (sq ft)	SPACING	LIGHT	COMMENTS
1	Helianthemum nummularium	Sunrose, Rockrose	8" x 36"	M	7'	36"	Sun to light shade	Mat forming green to gray foliage. Simple flowers in white, pink, yellow, and reds in early spring.
1	Juniperus horizontalis	Creeping Juniper	6-18" x 5-8'	Varies with cultivar	50'	Varies	Full sun	Evergreen. Needle color varies with cultivar.
1	Rhus aromatica 'Autumn Amber'	Autumn Amber Sumac	1' x 3-4'	M	12.5'	3'	Sun to shade	Lower growing than Gro-low; same glossy foliage and good fall color.
1	Rhus aromatica 'Gro-low'	Gro-low Sumac	18" x 6'	H	28'	5'	Sun to shade	Glossy green, three-lobed leaves have red fall color. Yellow spring flower followed by fuzzy red berries.
1	Sedum ssp.	Stonecrop	Varies	L	.75'	12"	Full sun to part shade	Large group of low growing succulents; leaf color and shape varies with cultivar. Not tolerant of foot traffic, typically not dense enough to choke out weeds and grass.
1	Sedum 'Autumn Joy'	Autumn Joy Sedum	18" x 18"	H	1.75'	18"	Full to part sun	Soft green succulent leaves; broccoli-like flower emerges mid summer, changes from white to russet red in fall. Upright habit.
1	Sedum 'Vera Jameson'	Vera Jameson Sedum	10" x 12"	M	.75'	12"	Full sun to light shade	Upright to sprawling habit; reddish foliage holds color well all summer; rosy pink flower late summer into fall.

WATER ZONE	BOTANICAL NAME	COMMON NAME	MATURE SIZE H x W	HEIGHT VALUE	AREA VALUE (sq ft)	SPACING	LIGHT	COMMENTS
1	Stachys byzantina	Lamb's Ear	12-15" x 36"	M	7'	36"	Sun to light shade	Velvety leaves are silvery white; spires of pink flowers mid summer. Avoid overhead watering.
1	Stachys byzantina	Lambs Ear	15" x 36"	M	7'	36"	Sun to light shade	Mounds of silvery gray foliage is fuzzy and pleasant to the touch; mid summer flower on tall spire pink in color
1	Stachys byzantina 'Helene Von Stein' or Big Wave'	Helene or Big Wave Lamb's Ear	12" x 36"	M	7'	36"	Sun to light shade	Similar to species but leaves are much larger and does not flower.
1	Teucrium aroanium	Gray Creeping Germander	3" x 18"	L	1.75'	18"	Sun to part shade	Silver gray leaves; fragrant lavender flowers in early summer.
1	Thymus pseudolanuginosus	Woolly Thyme	1-2" x 18"	L	1.75'	18"	Full sun	Hairy gray foliage turns plum colored in fall; evergreen. Tolerates moderate foot traffic.
1	Thymus ssp.	Creeping Thyme	3-4" x 18"	L	1.75'	18"	Full sun	Spring flowers in white, pinks, reds; green foliage; tolerates moderate foot traffic.
1	Veronica liwanensis	Turkish Speedwell	2" x 18"	L	1.75'	18"	Sun to part shade	Vigorous perennial; evergreen foliage; violet blue flowers in spring. Needs afternoon shade.
1	Veronica oltensis	Thyme-leaf Speedwell	1" x 24"	L	3'	24"	Sun to part shade	Tiny dark gray green leaves; azure blue flowers late spring; evergreen.

WATER ZONE	BOTANICAL NAME	COMMON NAME	MATURE SIZE H x W	HEIGHT VALUE	AREA VALUE (sq ft)	SPACING	LIGHT	COMMENTS
1	<i>Veronica pectinata</i>	Blue Woolly Speedwell	2" x 18"	L	1.75'	18"	Sun to part shade	Dense mat of small dark green leaves, covered with tiny blue flowers mid spring
2	<i>Ajuga reptans</i>	Ajuga, Bugleweed	2-4" x 12-18"	L	1.75'	12"	Part to full shade	Low-growing groundcover with spires of blue or pink flowers. Leave color varies with cultivar, from dark green, to purple, and variegated.
2	<i>Arctostaphylos uva-ursi</i>	Kinnikinnick	3-6" x 24-36"	L	7'	24"	Part shade (avoid afternoon sun)	Evergreen. Dark glossy foliage; pinkish bell shaped flowers in early spring. Intolerant of soils that stay wet. Utah Native
2	<i>Cotoneaster horizontalis</i>	Rockspray Cotoneaster	2-3' x 10-15'	A	113'	8'	Sun to light shade	Stiff angled branches have small round leaves. White flowers followed by red berries.
2	<i>Euonymus fortunei</i>	Purple-leaf Winter Creeper	2' x 6'	A	28'	5'	Part shade	Evergreen, though sometimes semi-evergreen. Dark green leaves turn deep purple in fall. Will adhere to and climb surfaces.
2	<i>Galium odoratum</i>	Sweet Woodruff	4" x 18"	L	1.75'	18"	Part to full shade	Whorls of bright green foliage; star-shaped flowers in late spring

WATER ZONE	BOTANICAL NAME	COMMON NAME	MATURE SIZE H x W	HEIGHT VALUE	AREA VALUE (sq ft)	SPACING	LIGHT	COMMENTS
2	Hypericum calycinum	Aaron's Beard, St. Johnswort	12-18" x 24"	H	3'	24"	Part to full shade	Yellow spring flower; attractive blue green foliage stays evergreen in mild winters. Sometimes takes on purplish winter hue.
2	Lamium maculatum	Dead nettle	8-12" x 24"	M	3'	24"	Part to full shade	White to purplish blooms late spring; foliage varies with cultivar – many variegated. Adaptable to dry shade.
Ornamental Grasses								
0	Bouteloua curtipendula	Sideoats Grama	12-18" x 12"	H	.75'	8"	Full sun	Popular grass for meadows and reclamation. Fine textured, Purple spikelets form on one side of stem.
0	Bouteloua gracilis	Blue Grama	8-10" x 12"	M	.75'	8"	Full sun	Native plains grass suitable for turf. Warm season grass goes dormant in winter months. Suitable as a turf grass.
0	Buchloe dactyloides	Buffalo Grass	4-6" x 8"	L	1'	6"	Full sun	Warm season bunchgrass suitable as low traffic turf; soft green foliage turns tawny in fall and winter
0	Festuca arizonica	Arizona Fescue	10"-18" x 24"	H	3'	18"	Sun to light shade	Clumping bunchgrass with wiry seed stalks up to 3 feet tall. Gray green to blue green leaves.

WATER ZONE	BOTANICAL NAME	COMMON NAME	MATURE SIZE H x W	HEIGHT VALUE	AREA VALUE (sq ft)	SPACING	LIGHT	COMMENTS
0	<i>Oryzopsis hymenoides</i> (also listed as <i>Stipa hymenoides</i>)	Indian Rice Grass	18" x 24"	H	3'	20"	Full sun	Cool-season native bunch grass with showy panicles. Provides forage and habitat opportunities for wildlife.
0	<i>Pleuraphis jamesii</i> (also listed as <i>Hilaria jamesii</i>)	Galleta grass; Curly grass; James' grass	18" x 24"	H	3'	30"	Full sun	Dense, fuzzy spikelets are angled zig-zag up 2 foot tall stalks. Foliage is gray green, aging to straw. Good choice for dry wildflower meadow. Attractive to butterflies.
0	<i>Sporobolus contractus</i>	Spike Dropseed	16" x 12"	H	.75'	12"	Full sun	Very heat tolerant. Interesting flower spikes. Utah native. Tolerates sandy soils but is adaptive.
1	<i>Blepharoneuron tricholepis</i>	Pine Dropseed; Hairy Dropseed	30" x 30"	A	4.5'	24"	Sun to light shade	Upright, arching bunchgrass. Green panicles turn straw colored, and persist into winter. Provides food and shelter for butterflies and birds.
1	<i>Festuca idahoensis</i>	Idaho Fescue	12-18" x 15"	H	1'	12"	Full sun	Very tough ornamental grass; bluish foliage; evergreen
1	<i>Festuca ovina glauca</i>	Dwarf Blue Fescue	1-2' x 12-18"	H	1'	12-15"	Full sun	Evergreen. Bluish color. Many cultivars are available, most not as large as the species.
1	<i>Festuca ovina glauca</i> 'Elijah Blue'	Elijah Blue Dwarf Blue Fescue	8-12" x 12"	M	.75'	12"	Full sun	Shorter than species; intense blue color

WATER ZONE	BOTANICAL NAME	COMMON NAME	MATURE SIZE H x W	HEIGHT VALUE	AREA VALUE (sq ft)	SPACING	LIGHT	COMMENTS
1	<i>Koeleria macrantha</i>	Prairie Junegrass	2' x 1'	A	.75'	10"	Sun to light shade	Clumping bunchgrass with bright green foliage and upright flower spike. Provides food and habitat for birds and large mammals.
1	<i>Muhlenbergia capellensis</i>	Muhly Grass	3' x 3'	A	7'	30"	Full sun	Plumes dusty pink
1	<i>Muhlenbergia montana</i>	Mountain Muhly	30" x 24"	A	3'	20"	Sun to moderate shade	Upright bunchgrass with open panicles of green, aging to straw and persistent into winter.
1	<i>Muhlenbergia wrightii</i>	Spike Muhly	18" x 24"	H	3'	20"	Full sun	Fine textured, upright green leaf blades. Green florets age to gray black and persist into winter.
1	<i>Poa fendleriana</i>	Muttongrass	1-2' x 1'	H	.75'	12"	Sun to shade	Upright bunchgrass; bright green foliage. Airy panicles of yellow-green florets. Attractive to birds, butterflies.
1	<i>Panicum virgatum</i>	Switch grass	2' x 2'	A	3'	24"	Full sun	Steel blue foliage; upright habit. Florets arranged on arching stem. Plant turns orange in fall. Seeds attractive to birds.
1	<i>Schizachyrium scoparium</i>	Little Bluestem	2-4' x 30"	A	4.5'	24"	Sun to light shade	Upright, erect habit. Leaves flat and stiff, light green aging to darker green; fall color is red. Inflorescence is wispy. Tolerant of heavy clay soils. Attractive to butterflies, birds.

WATER ZONE	BOTANICAL NAME	COMMON NAME	MATURE SIZE H x W	HEIGHT VALUE	AREA VALUE (sq ft)	SPACING	LIGHT	COMMENTS
1	<i>Sporobolus airoides</i>	Alkali Saccaton	2' x 2'	A	3'	24"	Full sun	Delicate appearing foliage with pinkish inflorescence. Tolerant of saline and clay soils.
2	<i>Briza media</i>	Quaking Grass	18" x 12"	H	1'	15"	Full sun	Upright mounding grass with soft textured green foliage; Small heart-shaped florets resemble tiny rattlesnake tail segments.
2	<i>Calamagrostis acutiflora</i> 'Overdam'	Overdam Reedgrass	3' x 2'	A	3'	24"	Part sun	Green and white variegated foliage; whitish plumes; best in afternoon shade.
2	<i>Molina caerulea</i>	Moor Grass	18" x 24"	H	3'	18"	Part to light shade	A soft textured grass with plumes that sit close to the foliage.
2	<i>Pennisetum alopecuroides</i>	Fountain Grass	2-3' x 2-3'	A	7'	24-30"	Sun to light shade	Soft, foxtail-like plumes appear mid summer. Requires good drainage.
2	<i>Sesleria autumnalis</i>	Autumn moor grass	16" x 18"	H	1.75'	18"	Part to full shade	Soft textured grass forming thick vase-shaped clump. Evergreen.
Perennials								
0	<i>Argemone munita</i>	Prickly Poppy	24" x 12"	A	1'	12"	Full sun	Utah native. Blue green foliage; papery white flowers

WATER ZONE	BOTANICAL NAME	COMMON NAME	MATURE SIZE H x W	HEIGHT VALUE	AREA VALUE (sq ft)	SPACING	LIGHT	COMMENTS
0	<i>Asclepias speciosa</i>	Showy milkweed	3' x 3'	A	7'	30"	Sun to light shade	Upright perennial with gray green leaves and clusters of pinkish white flowers appearing in mid summer. Very attractive to butterflies. May form larger colonies. Utah native.
0	<i>Asclepias tuberosa</i>	Butterfly Milkweed	1-2' x 2'	H	3'	24"	Full sun	Orange midsummer blooms are a favorite of butterflies.
0	<i>Astragalus utahensis</i>	Utah Lady finger; Utah milkvetch	4" x 10"	L	1'	8"	Full sun	Utah native. Hairy, silver foliage; rose pink flowers
0	<i>Calylophus hartwegii</i>	Fendler's Sundrops	1' x 3'	M	7'	36"	Full sun	Four-petaled pale yellow flowers fade to orange and reddish pink, blooming all summer. Green foliage.
0	<i>Delosperma cooperi</i>	Pink Hardy Iceplant	6" x 24"	L	3'	18"	Full sun	Pink flower late spring; succulent green foliage
0	<i>Eriogonum umbellatum</i>	Sulfur Flower	12" x 18"	M	1.75'	18"	Full sun	Utah native. Early to midsummer sulfur-yellow flowers above dark green foliage
0	<i>Mirabilis multiflora</i>	Desert Four O'Clock	18" x 5'	H	19.5'	48"	Full sun	Magenta flowers open in evening; thick, leathery foliage. Utah native
0	<i>Oenothera caespitosa</i>	Tufted Evening Primrose	6" x 6"	L	.5'	6"	Full sun	Utah native. Large white flowers; opens in evening
0	<i>Oenothera howardii</i>	Bronze Evening Primrose	6" x 6"	L	.5'	6"	Full sun	Utah native. Yellow flowers fade to bronze

WATER ZONE	BOTANICAL NAME	COMMON NAME	MATURE SIZE H x W	HEIGHT VALUE	AREA VALUE (sq ft)	SPACING	LIGHT	COMMENTS
0	<i>Penstemon ambiguus</i>	Sand Penstemon	2' x 2'	A	3'	24"	Sun to light shade	Airy clumps of grass-like foliage with many stems of pink flowers early to mid summer.
0	<i>Ratibida columnifera</i>	Prairie Coneflower, Mexican Hat	24" x 18"	A	1.75'	18"	Full sun	Yellow and mahogany petals surround pronounced center mid summer; ferny foliage
0	<i>Sphaeralcea</i> ssp.	Globemallow	2-3' x 18"	A	1.75'	18"	Full sun	True orange flowers in summer. Foliage is pale gray green. Utah native.
0	<i>Tanacetum densum</i>	Partridge Feather	6-8" x 12"	M	.75'	12"	Full sun	Mats of silvery white, finely cut foliage; yellow button flowers early summer.
0	<i>Viguiera multiflora</i>	Showy Goldeneye	24" x 36"	A	7'	36"	Full sun	Utah native. Small daisy-like yellow flowers; will naturalize. Leaves are lance-shaped.
1	<i>Achillea ageratifolia</i>	Greek Yarrow	4" x 18"	L	1.75'	18"	Full sun	Bright white flower clusters above gray green foliage. Late spring bloom.
1	<i>Achillea filipendula</i>	Fernleaf Yarrow	2-4' x 2'	A	3'	24"	Full sun	Two widely used cultivars, 'Coronation Gold' and 'Moonshine'
1	<i>Achillea millefolium</i> .	Yarrow	36" x 24"	A	3'	24"	Full sun	Wide range of colors. Over watering tends to make the plants flop. Aggressive when over-watered.

WATER ZONE	BOTANICAL NAME	COMMON NAME	MATURE SIZE H x W	HEIGHT VALUE	AREA VALUE (sq ft)	SPACING	LIGHT	COMMENTS
1	<i>Achillea tomentosa</i>	Woolly Yarrow	2" x 24"	L	3'	24"	Full sun	Fuzzy, fern-like foliage; bright yellow flowers early to mid summer
1	<i>Achillea serbica</i>	Serbian Yarrow	4" x 15"	L	1'	15"	Full sun	Tight gray mats of evergreen foliage topped by white spring flowers.
1	<i>Adenophora latifolia</i>	Lilyleaf Ladybells	2-3' x 2'	A	3'	24"	Part to full shade	Tall stalks of trumpet-like lavender blue flowers in early summer. Good in dry shade.
1	<i>Aethionema schistosum</i>	Persian Rockcress	10" x 15"	M	1'	15"	Full sun	Fragrant, soft pink flowers cover plant in early spring. Tiny leaves are evergreen and powdery blue.
1	<i>Agastache cana</i>	Wild Hyssop	2-3' x 2'	A	3'	18"	Full sun	Unusual colors, fragrant flowers, and aromatic gray foliage. Airy, upright habit. Late summer blooming.
1	<i>Agastache rupestris</i>	Licorice Hyssop	2-3' x 2'	A	3'	18"	Full sun	Orange and lavender midsummer to fall flowers, fragrant needle-like foliage. Very attractive to hummingbirds.
1	<i>Alyssum montanum</i>	Mountain Gold Alyssum	4" x 15"	L	1'	15"	Sun to part shade	Bright yellow flowers in early spring cover gray green foliage.
1	<i>Amorpha canescens</i>	Leadplant	2-4' x 3'	A	7'	36"	Full sun	Silvery-white hairy foliage with pink pea-like flower
1	<i>Anacyclus depressus</i>	Mount Atlas Daisy	2" x 18"	L	1.75'	18"	Full sun	Silvery green foliage; bright white daisy-like flower mid spring

WATER ZONE	BOTANICAL NAME	COMMON NAME	MATURE SIZE H x W	HEIGHT VALUE	AREA VALUE (sq ft)	SPACING	LIGHT	COMMENTS
1	Anaphalis margaritacea	Pearly Everlasting	2' x 2'	A	3'	24"	Sun to light shade	Golden flowers in silver bracts; woolly silver foliage. Good choice for meadow mixes.
1	Antennaria parviflora;	Pussy Toes	4" x 18"	L	1.75'	18"	Sun to part shade	Utah native; silvery foliage, white ball-shaped flowers
1	A. rosea	Pink Pussy Toes	4" x 18"	L	1.75'	18"	Sun to part shade	Utah native; silvery foliage, rosy pink ball-shaped flowers
1	Artemisia spp.	Wormwood	10- 36" x 36"		7'	36"	Full sun	Silver foliage, finely cut. Size varieties with cultivar.
1	Berlandiera lyrata	Chocolate flower	18" x 12"	H	1'	12"	Full sun	Yellow mid-summer daisy; fragrant
1	Callirhoe involucrata	Poppy Mallow; Prairie Winecup	12" x 36"	H	7'	36"	Full sun	Magenta flowers mid summer into fall. Deeply lobed foliage
1	Centranthus ruber	Keys Of Heaven, Jupiter's Beard, Red Valerian	36" x 24"	A	3'	24"	Sun to part shade	Pink to red flowers off and on all summer. White form is C. alba.
1	Corydalis lutea	Yellow Corydalis	15" x 15"	H	1'	15"	Part to full shade	Yellow "snap-like" flower through out summer
1	Erodium chrysanthum	Yellow Stork's bill	5" x 12"	L	.75'	12"	Full sun	Lacy gray green foliage; soft yellow flowers during summer months.
1	Eupatorium greggii	Texas Mist Flower	30" x 36"	A	7'	36"	Sun to part shade	Lavender blue flowers, like fluffy balls, bloom all summer. With less water needs more shade. Attractive to butterflies.

WATER ZONE	BOTANICAL NAME	COMMON NAME	MATURE SIZE H x W	HEIGHT VALUE	AREA VALUE (sq ft)	SPACING	LIGHT	COMMENTS
1	Gaillardia aristata	Blanket Flower	2-3' x 2-3'	A	7'	24-30"	Full sun	Utah native. Yellow and mahogany summer flower; reseeds.
1	Gaura lindheimeri	Gaura, Whirling Butterflies	36" x 30"	A	4.5'	30"	Full sun	White butterfly-like flowers bloom all summer. Fine textured foliage. Wispy appearance.
1	Geranium viscosissimum	Sticky Geranium	2-3' x 2'	A	3'	24"	Part shade	Utah native. Soft pink flowers; nice fall foliage color
1	Globularia cordifolia	Leather Leaf Powder Puff	4" x 15"	L	1'	15"	Sun to part shade	Low mat of evergreen leaves; light blue flower puffs in late spring.
1	Helianthemum nummularium	Rockrose	6" x 18"	L	1.75'	18"	Sun to part shade	Simple, five-petaled flowers in a wide range of colors; mats of green to gray foliage have fine texture.
1	Kniphofia uvaria	Red Hot Poker	3' x 3'	A	7'	36"	Full sun	Grass like foliage, unusual bi-color flower spikes in yellow to red. Deer resistant.
1	Lavandula angustifolia 'Hidcote'	Hidcote English Lavender	16" x 18"	H	1.75'	20"	Full sun	Aromatic green or gray foliage topped by fragrant purple spires. Mid summer bloom. Evergreen. Deer resistant.
1	Lavandula angustifolia 'Nana'	Dwarf English Lavender	10" x 16"	M	1.15'	18"	Full sun	Aromatic green or gray foliage topped by fragrant purple spires. Mid summer bloom. Evergreen. Deer resistant.

WATER ZONE	BOTANICAL NAME	COMMON NAME	MATURE SIZE H x W	HEIGHT VALUE	AREA VALUE (sq ft)	SPACING	LIGHT	COMMENTS
1	Lavandula angustifolia 'Mitchem Gray'	Mitchem Gray English Lavender	18" x 20"	H	2'	16"	Full sun	Aromatic green or gray foliage topped by fragrant purple spires. Mid summer bloom. Evergreen. Deer resistant.
1	Lavandula angustifolia 'Munstead'	Munstead English Lavender	16" x 20"	H	2'	20"	Full sun	Aromatic green or gray foliage topped by fragrant purple spires. Mid summer bloom. Evergreen. Deer resistant.
1	Lavandula x intermedia 'Alba'	White French Lavender	24" x 24"	A	3'	24"	Full sun	White flowers over gray white foliage
1	Lavandula x intermedia 'Grosso'	Grosso French Lavender	30" x 24"	A	3'	24"	Full sun	Deep purple flowers on compact plant
1	Lavandula x intermedia 'Provence'	Provence French Lavender	30" x 24"	A	3'	24"	Full sun	Light purple flowers are very fragrant; most suited to heavier soils
1	Liatris punctata	Dotted Gayfeather	18" x 18"	A	1.75'	18"	Full sun	Magenta pink spires in late summer; grass-like foliage.
1	Linum kingii	King's Yellow Flax	8" x 10"	M	.5'	10"	Full sun	Blue-gray foliage; yellow spring flower
1	Linum lewisii (also listed as L. perenne v. lewisii)	Blue Flax; Lewis' Flax	18" x 18"	H	1.75'	18"	Full to part sun	Wispy foliage; blue spring flower
1	Nepeta x faassenii	Catmint	18" x 30"	H	4.5'	30"	Sun to light shade	Lavender blue flowers early summer; soft gray fragrant foliage.

WATER ZONE	BOTANICAL NAME	COMMON NAME	MATURE SIZE H x W	HEIGHT VALUE	AREA VALUE (sq ft)	SPACING	LIGHT	COMMENTS
1	<i>Oenothera berlandieri</i> 'Siskiyou'	Siskiyou Pink Mexican Primrose	12" x 12"	M	1'	12"	Sun to part shade	Papery pink flowers bloom all summer; foliage is dark green. Can become invasive if over-watered.
1	<i>Oenothera missouriensis</i>	Missouri Evening Primrose	10-12" x 24"	M	3'	24"	Full sun	Large, lemon yellow flowers open towards the end of day; glossy green foliage. Flowers all summer.
1	<i>Oenothera pallida</i>	Pale Evening Primrose	12" x 12"	M	1'	12"	Full sun	Fast growing. Large white flowers; good choice for sandy soils
1	<i>Penstemon barbatus</i>	Scarlet Bugler	2-4' x 2'	A	3'	24"	Sun to light shade	Foliage is a low mound; flowers rise on spires early summer. Utah native
1	<i>Penstemon caespitosa</i>	Mat Beardstongue	2-12" x 36"	M	7'	36"	Sun to light shade	Compact mat of gray green foliage covered with purple flowers from early to late spring.
1	<i>Penstemon cyananthus</i>	Wasatch Beardstongue	36" x 12"	A	.1'	12"	Full sun	Sky blue flowers early to mid summer. Utah native.
1	<i>Penstemon eatonii</i>	Eaton's Beardstongue	36" x 12"	A	1'	12"	Sun to light shade	Scarlet red flowers; dark shiny green foliage. Utah native.
1	<i>Penstemon pinifolius</i>	Pine-leaf Penstemon	12" x 12"	M	1'	12"	Full sun	Fine foliage; small scarlet trumpet-shaped flowers
1	<i>Penstemon pseudospectabilis</i>	Desert Penstemon	2-3' x 2'	A	3'	24"	Sun to part shade	Vibrant, hot pink flowers late spring to mid summer. Blue green foliage

WATER ZONE	BOTANICAL NAME	COMMON NAME	MATURE SIZE H x W	HEIGHT VALUE	AREA VALUE (sq ft)	SPACING	LIGHT	COMMENTS
1	<i>Penstemon strictus</i>	Rocky Mountain Penstemon	30" x 30"	A	4.5'	30"	Full sun	Brilliant purple blue flowers early to mid summer. Rich green foliage.
1	<i>Penstemon whippleanus</i>	Whipple's Penstemon	2-3' x 2'	A	3'	24"	Sun to light shade	Burgundy purple flowers early to late summer. Utah native.
1	<i>Perovskia atriplicifolia</i> 'Filigran'	'Filigran' Russian Sage	36" x 3-4'	A	12.5'	36"	Full sun	Small lavender blue flowers in tall spires; foliage is gray green and aromatic. Cut back to ground in spring keeps plant lush.
1	<i>Pulsatilla vulgaris</i> (also listed as <i>Anemone pulsatilla</i>)	Pasque Flower	9-12" x 12"	M	.75'	12"	Sun to part shade	Magenta or purple cup shaped flowers in early spring, followed by fuzzy plum colored seed heads.
1	<i>Santolina chamaecyparissus</i>	Lavender Cotton	12-18" x 18"	H	1.75'	18"	Full sun	Gray foliage forms compact mound; yellow button flowers midsummer. Evergreen in mild winter. Aromatic.
1	<i>Santolina virens</i>	Green Santolina	12-18" x 18"	H	1.75'	18"	Full sun	Bright green compact foliage; evergreen in mild winters.
1	<i>Sedum sieboldii</i>	October Daphne Sedum	6" x 15"	L	1.75'	15"	Sun to light shade	Deep pink fall flowers; succulent foliage is gray green
1	<i>Sedum spectabilis</i> 'Autumn Joy'	Autumn Joy sedum	15-18" x 15"	H	1.75'	15"	Sun to light shade	Fleshy blue-green leaves appear in mid spring, followed by white to pink broccoli-like flower.

WATER ZONE	BOTANICAL NAME	COMMON NAME	MATURE SIZE H x W	HEIGHT VALUE	AREA VALUE (sq ft)	SPACING	LIGHT	COMMENTS
1	<i>Sedum spectabilis</i> 'Vera Jameson'	Vera Jameson Sedum	8" x 15"	M	1.75'	15"	Full sun	Maroon foliage holds its color even in summer heat; rosy pink late summer flower.
1	<i>Sempervivum tectorum</i>	Hens And Chicks	4" x 12"	L	1'	12"	Full sun	Succulent foliage forms low rosettes. Interesting specimen in rock gardens.
1	<i>Teucrium aroanium</i>	Creeping Germander	3" x 18"	L	1.75'	18"	Sun to light shade	Mounds of silver foliage; lavender pink fragrant flowers mid summer.
1	<i>Teucrium chamaedrys</i>	Wall Germander	1' x 2'	M	3'	24"	Sun to light shade	Dark glossy foliage is evergreen in mild winters; spikes of lavender pink flowers in summer.
1	<i>Zauschneria arizonica</i>	Hummingbird Trumpet	1-2' x 2-4'	H	7'	30"	Full sun	Delicate scarlet, trumpet shaped flowers in early fall. Utah native.
1	<i>Zauschneria garrettii</i>	Hummingbird Carpet	4-6" x 15"	L	1.75"	15"	Full Sun	Scarlet trumpets in fall; lower growing than other varieties.
1	<i>Zauschneria latifolia</i>	Hummingbird Fuchsia	18" x 18"	H	1.75'	18"	Full sun	Brilliant scarlet trumpets late summer into fall
1	<i>Zizophora clinopodioides</i>	Blue Mint Bush	18" x 18"	H	1.75'	18"	Sun to part shade	Blue, thyme-like flowers cover plant in summer. Foliage is dull green. Fragrant.
1	<i>Alchemilla alpina</i>	Alpine mantle	6" x 12"	L	.75'	12"	Part shade	Silvery leaves and buff colored flowers
2	<i>Alchemilla mollis</i>	Lady's Mantle	12-18" x 15"	H	1'	15"	Part shade	Round foliage with felt like texture; chartreuse flower in late spring.

WATER ZONE	BOTANICAL NAME	COMMON NAME	MATURE SIZE H x W	HEIGHT VALUE	AREA VALUE (sq ft)	SPACING	LIGHT	COMMENTS
2	<i>Aquilegia caerulea</i>	Rocky Mountain Columbine	24" x 18"	A	1.75'	18"	Part shade	Blue and whit flowers. The more sun, the more water it needs. Utah native
2	<i>Aquilegia chrysantha</i>	Golden Columbine	2' x 2'	A	3'	18"	Sun to part shade	Yellow flower. The more sun the more water it needs.
2	<i>Aquilegia formosa</i>	Western Columbine	18" x 24"	H	3'	24"	Full sun to part shade	Utah native. Yellow petals with orange-red sepals. More drought tolerant than most other columbine
2	<i>Armeria maritima</i>	Common Thrift	6" x 12"	L	.75'	12"	Sun to part shade	Rose pink ball-like flowers; grass-like foliage. Might need more water in heat of summer.
2	<i>Bergenia cordifolia</i>	Bergenia, Saxifrage	12" x 12"	M	.75'	12"	Part to full shade	Large, oval leaves are persistent into winter; pink spring flower
2	<i>Campanula portenschlagiana</i>	Dalmatian Bellflower	5-10" x 15"	M	1'	15"	Morning sun to light shade	Bell shaped purplish flowers mid spring; dark green heart shaped foliage.
2	<i>Campanula rotundifolia</i>	Bluebells-of-Scotland	6-12" x 12"	M	.75'	12"	Part to full shade	Nodding, lavender blue bell-shaped flowers early summer to fall.
2	<i>Ceratostigma plumbaginoides</i>	Dwarf Plumbago	8" x 18"	M	1.75'	18"	Part to full shade	Brilliant cobalt blue flowers in late summer and into fall; leaves turn red in fall.

WATER ZONE	BOTANICAL NAME	COMMON NAME	MATURE SIZE H x W	HEIGHT VALUE	AREA VALUE (sq ft)	SPACING	LIGHT	COMMENTS
2	Coreopsis verticillata	Threadleaf Coreopsis	24" x 24"	A	3'	24"	Sun to light shade	Delicate yellow daisy-like flowers all summer. Needle like foliage.
2	Dianthus gratianopolitanus	Garden Pinks	8" x 18"	M	1.75'	18"	Sun to part shade	Gray or silver foliage; flower color varies with cultivar.
2	Dianthus pinifolius	Pine-leafed Garden Pink	24" x 12"	A	.75'	12"	Full sun	Blue-green foliage, very fine. Flowers are dark red.
2	Echinacea angustifolia	Prairie Purple Coneflower	36" x 18"	A	1.75'	18"	Sun to part shade	Recurved petals are long and fine; prominent cone enjoyed by birds. Deer resistant.
2	Echinacea paradoxa	Ozark Coneflower	30-36" x 15"	A	1'	15"	Sun to part shade	Yellow recurved petals. Deer resistant.
2	Epimedium x rubrum	Barrenwort	12" x 12"	M	.75'	12"	Shade	Small orchid-like flowers in early summer; foliage is heart-shaped and evergreen in mild winters.
2	Geranium endressii	Endress Cranesbill	16-20" x 18-24"	H	3'	18"	Part shade	Deep pink flowers in early to mid summer.
2	Geranium sanguineum	Bloody Cranesbill	8" x 18"	M	1.75'	18"	Sun to part shade	Magenta flowers in early summer. Green foliage turns orange in fall.
2	Hemerocallis hybrid	Daylily	1-3' x 1-3'	Varies with variety	.75-7'	24"	Sun to light shade	Wide variety of flower colors, heights. Useful for massing. Foliage is grass-like.

WATER ZONE	BOTANICAL NAME	COMMON NAME	MATURE SIZE H x W	HEIGHT VALUE	AREA VALUE (sq ft)	SPACING	LIGHT	COMMENTS
2	<i>Heuchera sanguinea</i>	Coral Bells	12" x 15"	H	1'	15"	Part to full shade	Round, lobed foliage; slender stems with white to pink bell shaped flowers.
2	<i>Iberis sempervirens</i>	Candytuft	12" x 12"	M	.75'	12"	Sun to light shade	Evergreen. Bright white flowers mid spring.
2	<i>Iris hybrids</i>	Bearded Iris; German Iris	1-3' x 2'	varies	3'	24"	Full to part sun	Flowers late spring to early summer; sword-like foliage
2	<i>Liatris spicata</i>	Gayfeather	2-3' x 2'	A	3'	24"	Full sun	Grass-like foliage and showy flower spikes in purple and violet.
2	<i>Lychnis coronaria</i>	Rose Campion	36" x 24"	A	3'	24"	Sun to light shade	Magenta flowers appear along woolly white stems. Leaves are silvery gray.
2	<i>Paeonia hybrida</i>	Peony	36" x 24"	A	3'	24"	Sun to light shade	Wide range of flower colors and styles. Blooms late spring. Foliage is deeply lobed, attractive fall color.
2	<i>Papaver orientale</i>	Oriental Poppy	30" x 24"	A	3'	24"	Sun to light shade	Papery flowers in mid spring in a variety of colors. Hairy basal foliage goes dormant in low water situations.
2	<i>Penstemon linarioides</i>	Mat Penstemon	1' x 3'	M	7'	36"	Sun to light shade	Fine textured gray green leaves; lavender-blue snap-like flowers late spring.

WATER ZONE	BOTANICAL NAME	COMMON NAME	MATURE SIZE H x W	HEIGHT VALUE	AREA VALUE (sq ft)	SPACING	LIGHT	COMMENTS
2	Phlox subulata	Creeping Phlox	6" x 12"	L	.75'	12"	Sun to light shade	Low, matting foliage in light green; flowers appear in spring in a variety of colors.
2	Rudbeckia fulgida	Black Eyed Susan	3' x 2'	A	3'	24"	Full sun	Deep golden flowers mid to late summer. Leaves are large, oval to heart shaped and glossy green.
2	Rudbeckia nitida	Orange Coneflower	2-4' x 3'	A	7'	36"	Full sun	Smaller flowers than R. fulgida; densely branched with many flowers mid summer.
2	Salvia chamaecyparissus	Germander Sage	18" x 24"	H	3'	24"	Full sun	True blue flowers on spikes above green foliage. Foliage is evergreen during mild winters.
2	Salvia officinalis	Garden Sage	2'x 3'	A	7'	36"	Full sun	Evergreen gray green foliage; edible foliage is aromatic.
2	Salvia nemerosa	Plume-flowered Salvia	30" x 24"	A	3'	24"	Full sun	Rosy purple flowers with fuzzy appearance, mid summer. Gray green foliage.
2	Salvia superba 'Blue Queen'	Blue Queen Salvia	18" x 24"	H	3'	24"	Full sun	Spires of flowers mid summer; foliage typically dull green.
2	Salvia superba 'May Night'	May Night Salvia	18" x 18"	H	1.75'	18"	Full sun	Dark Blue; very compact form
2	Scutellaria resinosa	Prairie Skullcap	10" x 10"	M	.75'	10"	Full sun	Neat mounds of thyme-like foliage; lavender blue flowers late spring.

WATER ZONE	BOTANICAL NAME	COMMON NAME	MATURE SIZE H x W	HEIGHT VALUE	AREA VALUE (sq ft)	SPACING	LIGHT	COMMENTS
2	Saponaria ocymoides	Rock Soapwort	6" x 24"	L	3'	24"	Sun to part shade	Pink or white spring flowers; fine textured foliage.
2	Solidago canadensis	Goldenrod	3-4' x 3-4'	A	12.5'	36"	Sun to shade	Plumes of yellow flowers late summer to early fall. Goldenrod is not the source of hayfever.
Woody Shrubs								
0	Arctostaphylos patula	Greenleaf manzanita	3' x 6'	A	28'	5'	Sun to light shade	Evergreen. Pale pink spring flowers, bell shaped. Utah native.
0	Atremisia bigelovii	Bigelow's Sage	16" x 24"	H	3'	24"	Full sun	Low growing sagebrush; light green color
0	Artemisia cana	Silver Sage	2-3' x 3'	A	7'	36"	Full sun	Thicker leaves than other sages. Native to intermountain area.
0	Artemisia filifolia	Sand Sage	3' x 2'	A	3'	24"	Full sun	Feathery foliage
0	Artemisia frigida	Fringed Sage	14" x 14"	H	.75'	14"	Full sun	Utah native. Silver foliage
0	Artemisia nova	Black Sage	2' x 2'	A	3'	24"	Full sun	Foliage lead-gray; flower spikes dry to dark brown
0	Atriplex gardneri	Gardner Salt Bush	12" x 4'	H	12.5'	4'	Full sun	Evergreen. Utah native.
0	Ceratoides lanata (also listed as Krascheninnikova lantana)	Winterfat	3' x 2'	A	3'	24"	Full sun	Silvery white foliage; important winter forage

WATER ZONE	BOTANICAL NAME	COMMON NAME	MATURE SIZE H x W	HEIGHT VALUE	AREA VALUE (sq ft)	SPACING	LIGHT	COMMENTS
0	<i>Ephedra viridis</i>	Mormon Tea	3' x 4'	A	12.5	4'	Full sun	Evergreen. Unusual shrub with bright green bark and insignificant foliage. Utah native.
0	<i>Holodiscus dumosus</i>	Rock Spray Spiraea	3' x 4'	A	12.5'	4'	Full to part sun	Graceful shrub with arching branches covered in spring with cream blossoms. Utah native.
0	<i>Jamesia americana</i>	Cliff Jamesia	3' x 5'	A	19.5'	5'	Full to part sun	White flowers spring and early summer. Utah native.
0	<i>Ribes cereum</i>	Squaw Currant	3' x 5'	A	19.5'	5'	Full to part shade	Nice compact form; Small leaves, whitish pink flowers, red berries.
0	<i>Salvia dorrii</i>	Dorr's Sage	1-2' x 3'	H	7'	36"	Full sun	Small, rounded white leaves are extremely aromatic. Purple-blue flower spires.
1	<i>Caragana pygmaea</i>	Pygmy Pea Shrub	3' x 4'	A	12.5	4'	Full sun	Fine textured foliage; yellow spring flower.
1	<i>Juniperus ssp.</i>	varies	varies	varies	varies	varies	Full sun	Evergreen
1	<i>Pinus mugo</i> var. <i>mugo</i> 'Gnom'	Gnome Mugo Pine	15" x 36"	H	7'	36"	Full sun	Mounding evergreen.
1	<i>Pinus mugo</i> var. <i>pumilio</i>	Pumilio Mugo Pine	24" x 6'	A	20'	5'	Full sun	Mounding evergreen; slow growing.
1	<i>Potentilla fruticosa</i>	Shrubby Cinquefoil	3' x 3'	A	7'	36"	Full sun	Many varieties with flower color in white, yellow, and red. Summer blooming.

WATER ZONE	BOTANICAL NAME	COMMON NAME	MATURE SIZE H x W	HEIGHT VALUE	AREA VALUE (sq ft)	SPACING	LIGHT	COMMENTS
1	<i>Symphoricarpos x chenaultii</i> 'Hancock'	Hancock Coralberry	18" x 6'	H	20'	5'	Sun to part shade	Delicate, bluish green foliage; clusters of pinkish flowers followed by colorful purple berries that persist into winter. Spreading.
2	<i>Caryopteris x clandonensis</i>	Blue Mist Spirea	2-3' x 4'	A	12.5'	4'	Full sun	Grayish green foliage; blue flowers in late summer. Most attractive when cut back hard in late winter.
2	<i>Cotoneaster apiculata</i>	Cranberry Cotoneaster	3' x 4'	A	12.5'	4'	Sun to light shade	Rounded dense shrub, dark glossy leaves, white flowers, red berries.
2	<i>Daphne cneorum</i>	Rose Daphne	3' x 4'	A	12.5'	4'	Light shade	Evergreen spreading shrub with narrow dark leaves. Clusters of white to pink, fragrant flowers in spring.
2	<i>Pachistima myrsinites</i> (may also be listed as <i>Paxistima</i>)	Mountain Lover	3' x 4-5'	A	20'	4'	Part to full shade	Evergreen with boxwood-shaped leaves that turn red in winter. Yellow spring flowers, green berries. Utah native.
2	<i>Spiraea x bumalda</i> 'Dolchica'		30" x 30"			30"	Sun to light shade	Clusters of early summer blooms, mostly in pinks and white. Some have colorful foliage.
2	<i>Spiraea x bumalda</i> 'Goldflame'		30" x 36"			36"	Sun to light shade	Clusters of early summer blooms, mostly in pinks and white. Some have colorful foliage.

WATER ZONE	BOTANICAL NAME	COMMON NAME	MATURE SIZE H x W	HEIGHT VALUE	AREA VALUE (sq ft)	SPACING	LIGHT	COMMENTS
2	Spiraea x bumalda 'Limemound'		24" x 36"			36"	Sun to light shade	Clusters of early summer blooms, mostly in pinks and white. Some have colorful foliage.
2	Spiraea x bumalda 'Norman'		10" x 12"			12"	Sun to light shade	Clusters of early summer blooms, mostly in pinks and white. Some have colorful foliage.
2	Symphoricarpos orbiculatus	Indiancurrant Coralberry	3' x 6'	A	28'	5'	Part to full shade	Small, soft green leaves on arching branches. Deep pink fruit forms in late summer and persists into winter.
2	Symphoricarpos occidentalis	Wolfberry	1-3' x 5'	A	19.5'	5'	Part to full shade	Tubular pinkish flowers; forms colonies

References

“Low Water Use Plant List”, Compiled by Fred Liljegren, U.S. Department of the Interior, Bureau of Reclamation.

“Water Wise Landscaping”, Terry Keane, Utah State University Cooperative Extension Service, Logan, Utah.

“Urban and Community Forestry, a Guide for the Interior Western United States”, Intermountain Region, U.S. Forest Service and the Utah State University Cooperative Extension Service, Logan, Utah.

“Interagency Forage & Conservation: Planting Guide for Utah”, Utah State University Cooperative Extension Service, Logan, Utah.

“DROUGHT, a Database of Irrigation Requirements for Woody Plants of Northern Utah” (unpublished), compiled by Larry A. Rupp, Plants, Soils, and Biometeorology Department, Utah State University, Logan, Utah.

“Ornamental and Shade Trees for Utah”, E. Gregory McPherson and Gregory H. Graves, Utah State University Cooperative Extension Service, Logan, Utah.

“Sunset Western Garden Book”, Sunset Publishing Corporation.

“American Standard for Nursery Stock”, American Association of Nurserymen.