



Landscaping for Bird Gardens

Ecosystem, Plant Choice, and Design for Bird
Gardens in Utah

By Kim Eden

Eden's Garden Design

Summer 2020

Goals

- o 1. Create and design a bird friendly landscape
- o 2. Plant the right plant for the right space
- o 3. Create an self-sustaining ecosystem to maintain the space

Drainage Recommendations



- o Drainage issues around house and down the slope:
- o 1. Your gutter drains need to be extended to the natural drainage area and capped before you install anything more so the drainage is taken care of and make sure the company who installs the stairs is reputable for slopes, erosion, and drainage issues. How to bury drainpipes:
<https://www.youtube.com/watch?v=pTgV0uasopg>
- o 2. Use French drains through out the property if additional drainage needed
- o 3. Clean out window wells to 4 inches below window line and perhaps drill holes on lower side for water to drain, install plastic covers on top window wells,
- o 4. Re-contour backyard slope to at least 2% slope down to property line

Recommendations

- o 1. Use all space functionally
- o 2. Large stone steps or pavers are the best option for longevity and functionality
- o 3. Plants – I would recommend adding evergreens to the mix for winter view as well as winter cold winds.
- o 4. The irrigation system can be put in by the contractor who installs the entire yard or you can do it yourself. Install drip lines for best control of water in that area
- o 5. With preference of a clean look use edging for lawn and walking spaces that touch neighbor's lawn and to keep rock material in paths in place.
- o 6. For easy maintenance make the beds simple and use gravel in some areas
- o 7. Improve drainage away from house with proper slope – 2% away from foundation. Re-contour the yard to fix drain problems, extend gutter drain to corner of house and use a pop up to bury it. Bury drain pipes downhill from house
- o 8. For planting you will want to bring in good soil to plant in: the best would be a mix of 20:40:40. 20% sand, 40% compost, and 40% topsoil.
- o 9. Plant groupings of perennials: 3-5 of each in the beds
- o 10. Mulch the beds with 3-4 inches of mulch in parkstrip (flagstone) and in beds around plants (bark) until plants grow in – don't cover base of plants

Water Wise Planting

- o <http://publicgarden.ucdavis.edu/apg-feed/5-steps-for-establishing-drought-tolerant-plants>
- o Stacey Parker, GATEways horticulturist, plants her front yard with advice from Ellen Zagory, director of public horticulture. Stacey started the process of removing her front yard last spring and began planting with low-water plants for shade last fall.
- o by Ellen Zagory, Director of Public Horticulture
- o Plants are curious creatures. Unlike us, they cannot get up and get a drink of water when they are parched. By nature, they are rooted to the spot and rely on Mother Nature or a nearby gardener to supply water.
- o When any plant—including one labeled “drought tolerant”—is planted, its roots extend only as far as the potting soil in which it came. Over the next few months, new roots will begin to grow into the surrounding soil. During the first winter, any new plant will need regular soil moisture to establish a root system. This requires the gardener to be vigilant in monitoring the young plant, the temperature, the wind, and the amount of rain, and supplying moisture when the plant needs it.
- o Here are five tips for establishing new plants to make your garden truly drought tolerant:
- o 1. Plant in fall because, as the weather cools and the rains come, evaporation is reduced and soil holds moisture longer. Therefore, your new plants will need to be watered less often. If drought continues, you will need to water just enough to keep the plant from wilting. (Planting in spring is good too, but just expect to use more water to get the plants established.)
- o 2. Water deeply and frequently the first dry summer season. In warm weather, recently planted plants may need to be irrigated as frequently as every other day, especially if it is windy. The roots of a young plant need moisture to grow out into the surrounding native soil. Growing a large root system the first season will help the plant survive the next year as irrigation is reduced.
- o 3. Distribute irrigation water evenly, being sure to wet the soil ball from the container as well as the surrounding few inches of native soil all around the plant. Plants cannot move water from one side to the other. If you water only one side, you will have growth only on one side. Watch for wilting and water if needed.
- o 4. Reduce irrigation frequency the second summer, but apply enough water to wet the top 18 inches. Apply water slowly so that it penetrates into the soil and does not run off. In heavier clay soils, water should be applied slowly, over a long period, to penetrate the entire root zone. If runoff is a problem, run short applications of water, let the water soak in and repeat.
- o 5. Cover the soil with a thick layer of organic mulch, like wood chips, to reduce evaporation, smother weed seedlings, keep the soil cool, and reduce erosion.

Fertilizer

- o How to fertilize
- o Depending on preference, you have an array of options on types of fertilizers and range of fertilizers:
- o Slow release pellet, 16-16-16 works great in Utah because of the heavy clay soil and sandy soil. If we had loamy soil we could use the common fertilizer at the main box stores. This item is high in salt. The frequency of application is also based on preference, but the recommended number is four times per year. The pellets should be placed where the water will seep it into the ground for the roots to absorb and should, therefore, be distributed in a fashion that will most easily allow for that to happen. Depending on your landscape style, add the pellets to where the water will help the ground absorb the pellets. Water in with a hose so the pellets can start to dissolve.
- o Powder blue granular, good for small plants not large ones. High in salt.
- o Fish or sea based liquid. Great for greening up your plants. Organic so needs to be used frequently. Little or no salt
- o Liquid high strength fertilizers. Great for small gardens because liquid form is absorbed faster. Can still have salts.
- o Avoid using chemical fertilizer on the leaves and fruit of plants you intend to eat and we recommend you use organic fertilizer on edibles when possible.
- o Minerals (Mineral Plus is product name) help enhance the fertilizer and give the plant an even better boost for longer time, especially in our heavy nutrient deficient clay soils.
- o Yum yum is an all natural fertilizer that is similar to soil and is great for large yards.
- o Adding Gypsum to the soil regularly helps combat the salt leaching that frustrates the plants.
- o For maple trees – use 1 cup of iron each spring for 4” caliper trees and more for larger trees every spring and additional fertilizer, such as Yum Yum 3-4 times throughout summer.

Recommendations



- 80% of the battle for keeping plants happy in Utah is the right soil for the right plant. After digging out all of the plants, you will want to replace and supplement soil for the best success of your plants: a mixture of 20:40:40. 20% sand, 40% topsoil, and 40% compost. See your current soil analysis below.
- Edging install around the beds and perimeter to unify the space and keep clean easier



Habitat

- o Food – open space to fly and eat
- o Water
- o Shelter – places to hide and rest

- o Layers in beds
- o Shade and sun places

Information used in this presentation is obtained from
Garden Secrets for Attracting Birds by Rachael Lanicci

Bird Houses

- o 1. Clean untreated wood – gives purchase
- o 2. Overhang roof
- o 3. Easy maintenance design- screws, shape, etc.
- o 4. Drainage and air circulation holes
- o 5. Entrance location at top of house
- o 6. Paint only with natural paints – no toxins
- o 7. Place in secluded areas- birds are territorial

Audubon Workshop.com



Northstar Nest Box
Little Songbird House
Chickadee Nesting Box

Designed by a devoted breeder, this nest house...
1094 \$24.99, 2 or more \$32.99 ea.



House Hanger Bracket
The BEST way to hang your nest boxes...
4107 \$9.99, 2 or more \$8.99 ea.



Titm Design
Expert
1-1/4"
hollow
metal
rod
good
and
large
nest
cage
traps
Dove
bird
sill
1.



Bird Baths

- o 1. Shallow – 3” deep
- o 2. Rough surface
- o 3. Style or added stone to rest on for drinking
- o 4. Located in open clearing free from predators
- o 5. Keep clean
- o 6. Refresh 2-3 times a week



Bird Feeders

- o Sunflower seeds works best for masses: Black oil is the best
- o 1. Safflower in hopper or tray: Cardinals, chickadees, doves, finches, grosbeaks, nuthatches, sparrows, & titmice
- o 2. White millet in tray or on ground: Sparrows, doves, towhees, juncos, & cardinals
- o 3. Cracked corn in tray: cardinals, doves, grosbeaks, & jays – avoid if near sparrows, geese, squirrels
- o 4. Peanuts in tray or tube: Chickadees, jays, titmice, & woodpeckers – avoid if near squirrels, bears, etc.
- o 5. Sorghum in tray or on ground: Jays
- o 6. Rapeseed: Doves, finches, & juncos
- o 7. Niger in tube: Finches, sparrows, chickadees, titmice, and grosbeaks





The Importance of Dead Vegetation

- Leaf litter
- Downed logs
- Stumps
- Cavities in trees
- Brush piles
- Rock piles

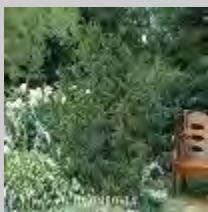


White-throated sparrow finds shelter in a brush pile

Plants

- o Juniper Trees
- o Pine
- o Norway Spruce
- o Apple
- o Cherry
- o Pear
- o Crabapple
- o Mulberry
- o Hawthorn
- o Chinese Elm
- o Serviceberry
- o Common Hackberry
- o Sweet Gum Tree
- o Oak
- o Staghorn Sumac
- o Arrowwood viburnum
- o Elderberry
- o Lilac
- o Euonymus
- o Currant
- o Gooseberry
- o Blackberry
- o Raspberry
- o Coralberry
- o Cotoneaster
- o Grapes
- o Honeysuckle
- o Virginia Creeper
- o Switchgrass
- o Little Bluestem
- o Blue Grama
- o Hosta
- o Coral Bells
- o Purple Coneflower
- o Bee Balm
- o Black-eye Susan
- o Red Hot Poker
- o Mums
- o Coreopsis
- o Aster
- o Compass Flower
- o Columbine
- o Rocky Mountain Penstemon
- o Cosmos
- o Bachelor's Button
- o Sunflower
- o Zinnia
- o Marigolds

Trees



Juniperus scopulorum 'Wichita Blue' Wichita Juniper

- o Size: 12-15' tall and 5-6' wide
- o Zone: 4-9
- o Color: Blue
- o Texture: Short evergreen scale-like needles
- o Form: Columnar, narrow juniper with upright growth
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Evergreen, All year
- o Water needs: Low
- o Maintenance: Low, shape in February
- o Location and Uses: Hedge, privacy screen, windblocker
- o Features: Columnar, drought tolerant, pollution tolerant, heat tolerant, disease resistant
- o Soil: Clay
- o pH: Any
- o Growth Rate: Slow - Mod



Juniperus chinensis 'Spartan' Spartan Juniper

- o Size: 12-15' tall and 3' wide
- o Zone: 4-9
- o Color: Blue - green
- o Texture: Short evergreen scale-like needles
- o Form: Columnar, narrow juniper with upright growth
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Evergreen, All year
- o Water needs: Low
- o Maintenance: Low, trim if gets shaggy, shape in February
- o Location and Uses: Hedge, privacy screen, windscreen, tight spaces
- o Features: Columnar, drought tolerant, pollution tolerant, heat tolerant, disease resistant
- o Soil: Clay
- o pH: Any
- o Growth Rate: Slow-Mod



Pinus nigra 'Arnold Sentinel' Arnold Sentinel' Austrian pine

- o Size: 25' tall and 7' wide
- o Zone: 4-8
- o Color: Dark green
- o Texture: Long needles
- o Form: Columnar and pyramidal
- o Sun Exposure: Full sun
- o Bloom Time: Evergreen, all year
- o Water needs: Low
- o Maintenance: Low, shape in February
- o Uses: Hedge, privacy screen, windscreen, specimen tree, vertical accent, xeric
- o Features: Columnar, thick, upright branching, very low-water, evergreen, disease resistant, heat tolerant
- o Soil: Any
- o pH: Any
- o Growth Rate: Slow
- o



Cedrus atlantica 'Glauca' Atlas Cedar: Columnar Blue Atlas Cedar and Serpentine Blue Atlas Cedar

- o Size: 20' tall and 6' wide
- o Zone: 5-11
- o Color: Green with hints of blue
- o Texture: Short evergreen needles on slightly drooping limbs
- o Form: Columnar Cedar with sparse limbs that slightly droop
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Evergreen, All year
- o Water needs: Low
- o Maintenance: Prune off dead or to shape tree, shape in February
- o Uses: Privacy screen, windscreen, specimen tree
- o Features: Drought tolerant, clay tolerant, disease resistant
- o Soil: Well drained
- o pH: Any
- o Growth Rate: Slow



Cedrus deodara 'Karl Fuchs' Karl Fuchs Cedar

- o Size: 20' tall and 6' wide
- o Zone: 6-11
- o Color: Green with hints of blue
- o Texture: Short evergreen needles on slightly drooping limbs
- o Form: Columnar Cedar with sparse limbs that slightly droop
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Evergreen, All year
- o Water needs: Low
- o Maintenance: Prune off dead or to shape tree, shape in February
- o Uses: Hedge, privacy screen, windblocker, specimen tree
- o Soil: Well drained
- o pH: Any
- o Growth Rate: Slow



Pinus nigra, Austrian Pine- Dwarf Oregon Green

- o Size: 25' tall and 10' wide
- o Zone: 4-8
- o Color: Dark green
- o Texture: Long needles
- o Form: Pyramidal, Full
- o Sun Exposure: Full sun
- o Bloom Time: Evergreen, all year
- o Water needs: Low
- o Maintenance: Prune off dead or to shape tree
- o Uses: Hedge, privacy screen, windscreen, specimen tree, xeric, privacy hedge
- o Features: vertical accent, very low-water, evergreen
- o Soil: Any
- o pH: Any
- o Growth Rate: Slow - Mod



Picea abies Norway Spruce

- o Size: 30' tall and 20-25' wide
- o Zone: 2-7
- o Color: Green
- o Texture: Short needles
- o Form: Pyramidal, Full
- o Sun Exposure: Full sun to part shade
- o Bloom Time: Evergreen, all year
- o Water needs: Mod
- o Maintenance: Prune off dead or to shape tree
- o Uses: Hedge, privacy screen, specimen tree, wildlife garden
- o Features: Deer tolerant, disease resistant
- o Soil: Well drained, sandy
- o pH: Acid
- o Growth Rate: Slow



Cupressus arizonica Arizona Cypress

- o Size: 20' tall and wide
- o Zone: 6-9
- o Color: Light blue
- o Texture: Short scale like needles
- o Form: Pyramidal, Full
- o Sun Exposure: Full sun to part shade
- o Bloom Time: Evergreen, all year
- o Water needs: Low
- o Maintenance: Prune off dead or to shape tree
- o Uses: Hedge, privacy screen, wind-blocker, specimen
- o Features: Drought tolerant, deer tolerant
- o Soil: Any
- o pH: Any
- o Growth Rate: Slow – mod



Syringa reticulata 'Ivory Silk' Ivory Silk Lilac

- o Size: 12-15' tall and 8-15' wide
- o Zone: 3-7
- o Color: White flowers, fall color yellows to reds
- o Texture: Smooth ovate glossy leaves, smooth bark with lenticels
- o Form: Rounded ornamental tree
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Late spring
- o Water needs: Low - Moderate
- o Maintenance: Low, prune tree for shape and flowers as needed, shape after flowers die
- o Location and Uses: Park strip, bird garden, flower garden, specimen tree, tight places, below power lines
- o Features: Bark interest, salt tolerant, pollution tolerant, disease resistant, year round interest
- o Soil: Clay to sandy
- o pH: Any
- o Growth Rate: Fast - Mod



Crataegus viridis 'Winter King' Winter King Hawthorn

- o Size: 20' tall and wide
- o Zone: 4-7
- o Color: Glossy green leaves, white flowers followed by small red berries
- o Texture: Smooth gray bark, small glabrous leaves with smooth margins
- o Form: Small irregular shaped tree unless pruned and trained
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Small double pink flowers in late spring
- o Water needs: Mod, shape after flowers die
- o Maintenance: Prune off dead or to shape tree
- o Location and uses: Patio area, specimen, bird garden, forested area,
- o Features: Fire wise, pollution tolerant, drought tolerant, edible
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod
- o



Crataegus x lavellei Lavelle Hawthorn

- o Size: 20' tall and 15' wide
- o Zone: 4-7
- o Color: Glossy green leaves, white to pink flowers followed by medium red berries
- o Texture: Smooth gray bark, small glabrous leaves with smooth margins
- o Form: Small round spreading tree
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Small white to pink flowers in late spring
- o Water needs: Mod
- o Maintenance: Prune off dead or to shape tree
- o Location and uses: Patio area, park strip, specimen, bird garden, forested area,
- o Features: Fire wise, pollution tolerant, drought tolerant, edible, thorns
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod



Crataegus x 'Paul's Scarlet' Paul's Scarlet Hawthorn

- o Size: 20' tall and 15' wide
- o Zone: 4-7
- o Color: Glossy green leaves, double pink flowers followed by small red berries
- o Texture: Smooth gray bark, small glabrous leaves with smooth margins
- o Form: Small irregular shaped tree unless pruned and trained
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Small double pink flowers in late spring
- o Water needs: Mod
- o Maintenance: Prune off dead or to shape tree
- o Location and uses: Patio area, specimen, bird garden, forested area,
- o Features: Fire wise, pollution tolerant, drought tolerant, edible, thornless
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod



Amelanchier arborea Serviceberry Tree, *Amelanchier canadensis* Serviceberry, *Amelanchier alnifolia* Saskatoon Serviceberry, *Amelanchier x grandiflora* 'Autumn Brilliance' Autumn Brilliance Apple Serviceberry

- o Size: 15' tall and 15' wide, varies but most average out to this size
- o Zone: 4-9
- o Color: White flowers, Multi-colored Fall color
- o Texture: Smooth white gray bark, smooth leaves with ovate shape and smooth margins
- o Form: Small round tree
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Spring
- o Water needs: Low
- o Maintenance: Low, shape after flowers die
- o Location Uses: Park strip, flower garden, bird garden, patio area, edible
- o Features: Salt tolerant, pollution tolerant, fast growing
- o Soil: Any, clay
- o pH: Any
- o Growth Rate: Mod-Fast



Ulmus parvifolia or *Ulmus parvifolia* 'Emer II' Lacebark Elm

- o Size: 30' tall and 20-25' wide
- o Zone: 4-9
- o Color: Green leaves, yellow-red fall color
- o Texture: Rough gray to red bark, elliptic to ovate small leaves
- o Form: Round to pyramidal shape
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: N/A, bark is the interesting feature
- o Water needs: Mod
- o Maintenance: Low
- o Location and uses: Park strip, patio area, specimen, bird garden, forested area,
- o Features: Fire wise, deer tolerant, pollution tolerant, disease resistant, drought tolerant, peeled bark from cream, pink, to copper brown
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod



Prunus virginiana 'Schubert' Chokecherry Tree

- o Size: 20' tall and wide
- o Zone: 2-7
- o Color: Green leaves in spring to purples after bloom, white cascade of flowers, yellow fall color
- o Texture: Smooth gray to white bark, medium deeply cut five pointed lobed leaves
- o Form: Upright, round shape, dense shade
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Spring, edible berries
- o Water needs: Mod
- o Maintenance: Prune off dead or to shape tree
- o Location and uses: Park strip, patio area, shade tree, specimen, bird garden, forested area, fragrant garden
- o Features: Dense shade, fire wise, water wise, pollution tolerant, fragrant, windbreak, privacy screen
- o Soil: Any
- o pH: Any
- o Growth Rate: Fast



Celtis occidentalis Common Hackberry

- o Size: 30' tall and 30' wide (bigger with age)
- o Zone: 2-9
- o Color: Green leaves, golden fall color
- o Texture: Rough bark, small ovate leaves with slightly serrated margins
- o Form: Upright, rounded crown, filtered to deep shade
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Fall yellow color
- o Water needs: Mod- wet
- o Maintenance: Prune off dead or to shape tree
- o Location and Uses: Park strip, Patio area, gives filtered shade, bird garden, rain garden
- o Features: Drought tolerant once established, can take all water from ground around it so only water-wise plants grow below it, infested with gall and treated with systemic drench annually, wind tolerant
- o Soil: Any
- o pH: Any
- o Growth Rate: Moderate



Zelkova serrata 'Wireless' Wireless Zelkova

- o Size: 25' tall and 35' wide
- o Zone: 4-8
- o Color: Green leaves, golden fall color
- o Texture: Smooth bark brown to reddish bark with lenticels, small ovate leaves with serrated margins
- o Form: Oval-shaped crown, filtered to dense shade
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Fall color
- o Water needs: Mod
- o Maintenance: Prune off dead or to shape tree
- o Location and uses: Patio area, shade garden
- o Features: Dense shade, tolerate of pollution
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod- fast



Gleditsia triacanthos Honey Locust- Shademaster

- o Size: 35' tall and 35' wide
- o Zone: 4-8
- o Color: Green leaves, golden fall color
- o Texture: Smooth bark, small pinnately compound leaves
- o Form: Upright, rounded, irregular shaped crown, filtered shade
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Fall color
- o Water needs: Low - Mod
- o Maintenance: Prune off dead or to shape tree, Nitrogen fixer, leaves blow away and don't need to be raked
- o Location and Uses: park strip for Imperial variation, Patio area, gives filtered shade
- o Features: Shade tree, filtered light, amazing fall color
- o Soil: Any
- o pH: Any
- o Growth Rate: Fast



Quercus macrocarpa Bur Oak

- o Size: 50- 75' tall and wide- dependent on amount of wind
- o Zone: 3-8
- o Color: Green leaves, golden to brown fall color
- o Texture: Rough bark with deep lobed leaves
- o Form: Tall rounding with age
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Some fall color
- o Water needs: Low
- o Maintenance: Prune off dead or to shape tree
- o Location and uses: Patio area, specimen tree for large spaces, forest area
- o Features: Drought tolerant once established, shade tree,
- o Soil: Any, clay
- o pH: Any
- o Growth Rate: Slow



Quercus robur 'Crimschmidt' Crimson Spire Oak

- o Size: 30' tall and 12-15' wide
- o Zone: 4-7
- o Color: Green leaves, red to brown fall color
- o Texture: Smooth bark with deep lobed leaves
- o Form: Tall rounding with age
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Red to brown fall color
- o Water needs: Low
- o Maintenance: Prune off dead or to shape tree
- o Location and uses: Patio area, windbreak, tall hedge, tight places, privacy screen
- o Features: Drought tolerant once established, pollution tolerant
- o Soil: Any, clay
- o pH: Any
- o Growth Rate: Moderate



Morus alba White Mulberry

- o Size: 30' tall and 30' wide
- o Zone: 4-8
- o Color: Green leaves, golden fall color
- o Texture: Rough bark, small ovate leaves with slightly serrated margins
- o Form: Upright, rounded crown, filtered to deep shade
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Fall yellow color, fruit
- o Water needs: Mod- wet
- o Maintenance: Prune off dead or to shape tree
- o Location and Uses: Patio area, bird garden, rain garden, not near pipes can destroy piping with roots
- o Features: Drought tolerant once established, salt tolerant, wind tolerant, aggressive root system, gives dense shade, attracts wildlife, can grow next to black walnut, invasive – if worried about this plant, choose a different one
- o Soil: Any
- o pH: Any
- o Growth Rate: Fast



Weeping Louisa Crabapple Malus 'Louisa'

- o Size: 10-12' tall and wide
- o Zone: 4-8
- o Color: Pink flowers
- o Texture: Smooth dark bark smooth leaves with ovate shape and serrated margins on most
- o Form: Round weeping
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Spring
- o Water needs: Low to Mod
- o Maintenance: Prune off dead or to shape tree
- o Location Uses: Park strip, flower garden, bird garden, patio area
- o Features: Salt tolerant, pollution tolerant, most crabapples are now disease resistant, edible but sour
- o Soil: Any
- o pH: Any
- o Growth Rate: Medium – Fast



Brandywine Crabapple *Malus 'Branzam'* *Brandywine*

- o Size: 15-20' tall and wide
- o Zone: 4-8
- o Color: Double Pink fragrant flowers
- o Texture: Smooth dark bark smooth leaves with ovate shape and serrated margins
- o Form: Round
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Spring
- o Water needs: Low to Mod
- o Maintenance: Prune off dead or to shape tree
- o Location Uses: Park strip, flower garden, bird garden, patio area
- o Features: Salt tolerant, pollution tolerant, most crabapples are now disease resistant, edible but sour
- o Soil: Any
- o pH: Any
- o Growth Rate: Medium – Fast



Caragana arborescens 'Walker' Walker's Peashrub Tree

- o Size: 4' tall and 4' wide
- o Zone: 3-8
- o Color: Green leaves, yellow flowers, yellow fall color
- o Texture: Green to yellow smooth bark with lenticels, small fern like ovate leaves
- o Form: Weeping habit
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Spring
- o Water needs: Mod
- o Maintenance: Prune off dead or to shape tree
- o Location and uses: Patio area, specimen, bird garden, container garden
- o Features: Fire wise, deer tolerant, pollution tolerant, prone to canker disease, drought tolerant
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod



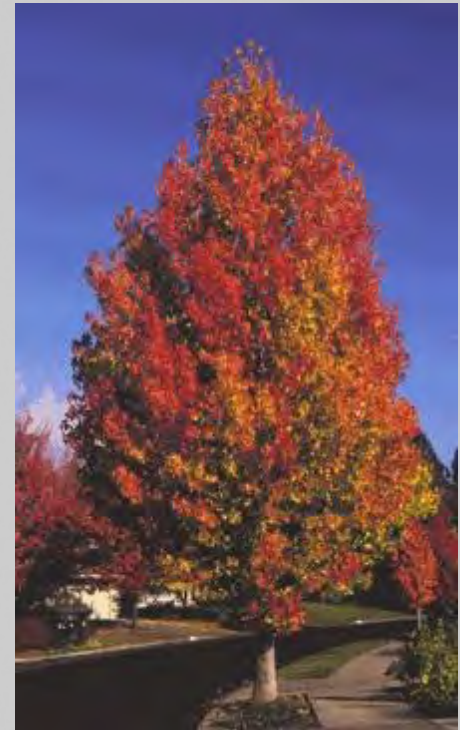
Syringa meyeri 'Palibin' Dwarf Lilac Tree

- o Size: 6' tall and 5' wide
- o Zone: 3-7
- o Color: Green leaves, purple lilac flowers, yellow fall color
- o Texture: Rough gray bark that is rough at maturity, smooth compound ovate leaves
- o Form: V-shaped habit
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Spring
- o Water needs: Mod
- o Maintenance: Prune off dead or to shape tree
- o Location and uses: Patio area, specimen, bird garden, container garden
- o Features: Fire wise, disease resistant, drought tolerant
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod



Liquidambar styraciflua Sweet Gum

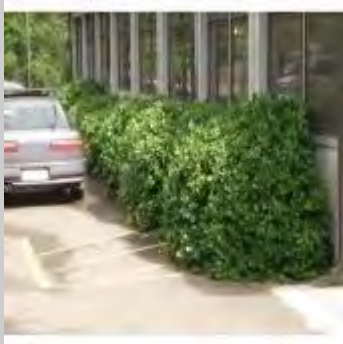
- o Size: 30-40' tall and 20-30' wide
- o Zone: 5-9
- o Color: Green maple like leaves, yellow-red fall color, produces small seed balls
- o Texture: Smooth gray bark that is rough at maturity, smooth compound ovate leaves
- o Form: Pyramid to rounding habit
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Spring
- o Water needs: Mod
- o Maintenance: Prune off dead or to shape tree
- o Location and uses: Patio area, shade tree, specimen, bird garden, forested area,
- o Features: Fire wise, deer tolerant, edible to wildlife, not pollution tolerant
- o Soil: Any, well drained
- o pH: Any
- o Growth Rate: Fast



- o Size: Keep pruned to 8-10' tall and wide
- o Zone: 5-8
- o Color: Flowers early spring
- o Texture: Smooth bark, ovate leaves
- o Form: Prune to keep good food production: too large = bad fruit
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Spring and Fall color
- o Water needs: Low
- o Maintenance: Mod
- o Location and uses: Any where in half day sun, orchard
- o Features: edible
- o Soil: Any
- o pH: Any
- o Growth Rate: Fast
- o
- o Apple: Pink lady, Honeycrisp, Gala, Fuji, Granny Smith, Cortland, McIntosh
- o Pear: Kieffer, Moonglow, Luscious
- o Nectarine: Fantasia, Flavortop
- o Apricot: Chinese, Moongold, Harcot
- o Peach: Elberta, Red Haven, Frost
- o Plum: Stanley, Elephant Heart, Santa Rosa
- o Cherry: Bing, Van, North Star



Shrubs



Green Spire *Euonymus japonicus* 'Green Spire'

- o Size: 6' tall and 1-2' wide
- o Zone: 6-9
- o Color: Green evergreen leaves
- o Texture: Rough dark bark, smooth small ovate leaves
- o Form: Columnar habit
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: N/A
- o Water needs: Mod
- o Maintenance: Low, shape in February if needed
- o Location and uses: Patio area, specimen, bird garden, hedge
- o Features: Pollution tolerant, drought tolerant
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod



Euonymus kiautschovicus 'Manhattan'

Manhattan Euonymus

- o Size: 6-8' tall and 5' wide
- o Zone: 5-8
- o Color: Evergreen, small white-pink berries
- o Texture: Glabrous leaves, dense shrub
- o Form: Rounded crown, can be pruned
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Evergreen
- o Water needs: Mod
- o Maintenance: Prune off dead or to shape as needed
- o Location and uses: Patio area, feature shrub, mass plantings, hedges, topiary
- o Features: Disease resistant, pollution tolerant, drought tolerant, deer tolerant
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod - fast



Japanese Euonymus *Euonymus japonicus*

- o Size: 6-8' tall and 5' wide
- o Zone: 5-8
- o Color: Evergreen
- o Texture: Glabrous leaves, dense shrub
- o Form: Rounded crown, can be pruned
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Evergreen
- o Water needs: Mod
- o Maintenance: Low
- o Location and uses: Patio area, feature shrub, mass plantings, hedges, topiary
- o Features: Disease resistant, pollution tolerant, drought tolerant
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod - fast



Rhus typhina 'Bailtiger' Tiger Eyes Sumac

- o Size: 3-6' tall and wide
- o Zone: 4-8
- o Color: Lime, green, orange, red, pink
- o Texture: Smooth fuzzy bark, pinnately compound leaves
- o Form: Rounded crown, irregular shape, can be pruned
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Spring and Fall color
- o Water needs: Low
- o Maintenance: Low, shape as needed
- o Location and uses: Patio area, feature shrub, mass plantings, hedges
- o Features: Disease resistant, pollution tolerant, drought tolerant, deer tolerant
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod – fast



Rhus typhina Staghorn Sumac

- o Size: 3-15' tall and wide
- o Zone: 3-9
- o Color: Lime, green, orange and red fall color
- o Texture: Fuzzy bark, pinnately compound leaves
- o Form: Rounded crown, irregular shape, can be pruned
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Spring and fall color
- o Water needs: Low, less water the shorter the shrub
- o Maintenance: Low
- o Location and uses: Mass plantings, hedge, naturalized areas, bird garden, butterfly garden
- o Features: Disease resistant, pollution tolerant, drought tolerant, deer tolerant, erosion control, invasive
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod - fast



Rhamnus frangula 'Columnaris' Tall Hedge Glossy Buckthorn

- o Size: 12-15' tall and 3' wide
- o Zone: 3-7
- o Color: Green, insignificant flowers, black berries
- o Texture: Smooth glabrous leaves
- o Form: Tall columnar shrub
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Late Spring
- o Water needs: Mod
- o Maintenance: Low
- o Location and uses: Patio area, feature shrub, mass plantings, hedges
- o Features: Pollution tolerant, deer tolerant
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod – fast



Queen of Carpets Cotoneaster/ Cotoneaster micriphyllus 'Cooperi Queen of Carpets'

- o Size: 2-4" tall and 8-10' wide
- o Zone: 6-9
- o Color: Small green leaves, white flower, red berries
- o Texture: Smooth bark and leaves
- o Form: Dense ground hugging shrub
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Semi-evergreen
- o Water needs: Low
- o Maintenance: Low
- o Location and uses: Mass plants, groundcover, understory plantings
- o Features: Disease resistant, drought tolerant, year round interest, erosion control
- o Soil: Any
- o pH: Any
- o Growth Rate: Slow to Mod



Sambucus racemosa Lemony Lace Elderberry

- o Size: 3-6' tall and wide
- o Zone: 3-8
- o Color: Lime green with hints of yellow and red foliage, white to pink flowers, berries, fall color reds, yellow, oranges
- o Texture: Feathery leaves
- o Form: Rounded
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Foliage color all summer, spring to summer flowers, fall berries
- o Water needs: Moderate
- o Maintenance: Low, can be pruned to shape
- o Location and Uses: Flower garden, bird garden, boarder garden
- o Features: colors, drought tolerant, shade tolerant, disease resistant, edible, deer tolerant
- o Soil: Any
- o pH: Any
- o Growth Rate: Fast



Sambucus canadensis Adams Elderberry

- o Size: 15' tall and 15' wide
- o Zone: 4-8
- o Color: Green leaves, white flowers, purple fruit
- o Texture: Smooth light bark or sectioned limbs, smooth long ovate leaves
- o Form: Spreading habit, large shrub or hedge
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Spring, harvest in fall
- o Water needs: Mod
- o Maintenance: Low
- o Location and uses: Screen, specimen, bird garden, hedge, wind break, fruit garden
- o Features: Pollution tolerant, drought tolerant, pollinator, invasive, deer resistant, purple berries edible but should be cooked first (poisonous if too much eaten raw). Used to make jam.
- o Soil: Any
- o pH: Any
- o Growth Rate: Fast



Sambucus nigra 'Eva' Black Lace Elderberry

- o Size: 6'-8' tall and wide
- o Zone: 4-7
- o Color: Purple fern like leaves, Pinkish white flowers in combs followed by black edible berries
- o Texture: Smooth tan bark, long limbs that almost weep in a tropical essence, thin long leaves
- o Form: Rounding habit, large shrub
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Spring, harvest in fall
- o Water needs: Mod
- o Maintenance: Low
- o Location and uses: Patio area, specimen, bird garden, butterfly garden, mass planting, privacy screen, hedge
- o Features: Pollution tolerant, drought tolerant, grown for its foliage, deer resistant, purple berries edible but should be cooked first (poisonous if too much eaten raw). Used to make jam.
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod - fast



Symphoricarpos orbiculatus Coralberry

- o Size: 2' tall and 5' wide
- o Zone: 2-7
- o Color: Green round leaves, hot pink flowers, edible berries seeds
- o Texture: Rough peeling bark, smooth round leaves, white-pink berries
- o Form: Spreading habit
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Spring
- o Water needs: Mod
- o Maintenance: Low
- o Location and uses: Bird garden, slope gardens, meadow gardens, forest
- o Features: Pollution tolerant, drought tolerant, erosion control, clay soil, deer resistant, invasive
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod



Symphoricarpos microphyllus Snowberry

- o Size: 6' tall and wide
- o Zone: 2-7
- o Color: Green round leaves, white flowers, edible berries seeds
- o Texture: Rough peeling bark, smooth round leaves, white-pink berries
- o Form: Spreading habit
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Spring
- o Water needs: Mod
- o Maintenance: Low
- o Location and uses: Bird garden, slope gardens, meadow gardens, forest
- o Features: Pollution tolerant, drought tolerant, erosion control, clay soil, deer resistant, invasive
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod



Syringa 'Beauty of Moscow', Lilac 'Beauty of Moscow'

- o Size: 7- 15' tall and 5-10' wide
- o Zone: 3-7
- o Color: Green leaves, fragrant white flower clusters
- o Texture: Smooth bark with bumps, smooth long ovate leaves
- o Form: Tall hedge shape
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Spring
- o Water needs: Low to mod
- o Maintenance: Low
- o Location and uses: Patio area, specimen, bird garden, fragrance garden, mass plantings, hedge, border, privacy screen, butterfly garden
- o Features: Pollution tolerant, drought tolerant, disease resistant, deer tolerant, clay soil tolerant
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod



Syringa x or *Syringa pubescens* Bloomerang, Miss Kim, Josee, Tinkerbelle Lilac

- o Size: 3- 5' tall and wide
- o Zone: 4-8
- o Color: Green leaves, purple, white, lavender, and purple with white tips flower clusters, some re-bloom
- o Texture: Smooth bark with bumps, smooth long ovate leaves
- o Form: Tall hedge shape
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Spring
- o Water needs: Low to mod
- o Maintenance: Low
- o Location and uses: Patio area, specimen, bird garden, fragrance garden, mass plantings, hedge, border, privacy screen, butterfly garden
- o Features: Pollution tolerant, drought tolerant, disease resistant, deer tolerant, clay soil tolerant
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod



Mahonia aquifolium Oregon Grape Holly

- o Size: 5-6' tall and wide
- o Zone: 4-8
- o Color: Green, orange, red, pink
- o Texture: Thorn-like leaves, similar to holly
- o Form: Rounded crown, irregular shape, can be pruned
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Spring and Fall color
- o Water needs: Low - Mod
- o Maintenance: Low
- o Location and uses: Mass plantings, borders, forested areas, hedge
- o Features: Disease resistant, pollution tolerant, drought tolerant, deer tolerant, native
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod



Wood's Rose or Wild Rose *Rosa woodsii*

- o Size: 6' tall and wide
- o Zone: 4-10
- o Color: Purple, orange, red, pink, white
- o Texture: Thorns, smooth leaves serrated margins
- o Form: Rounded shape, can be pruned
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Bloom all season except winter
- o Water needs: Mod
- o Maintenance: Low
- o Location and uses: Mass plantings, hedge, flower garden, bird garden, butterfly garden
- o Features: Disease resistant, pollution tolerant, repeat flowering
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod – fast



Eastern Snowball 'Sterile' *Viburnum opulus*

- o Size: 15' tall and wide
- o Zone: 3-8
- o Color: Green leaves, white flowers
- o Texture: Smooth bark, smooth long ovate leaves
- o Form: Tall hedge like shape, small tree if shaped that way
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Spring
- o Water needs: Mod
- o Maintenance: Low
- o Location and uses: Patio area, specimen, bird garden, hedge, mass planting, privacy screen, windbreak
- o Features: Pollution tolerant, drought tolerant, disease resistant, heat tolerant and shade tolerant
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod



Viburnum dentatum, Arrow wood, *Viburnum x burkwoodii*
burkwood, *Viburnum x bodnantense* 'Pink Dawn' Pink Dawn,
Viburnum nudum 'Bulk' Brandywine viburnum

- o Size: 6-12' tall and 5' wide
- o Zone: 5-8
- o Color: Green leaves, some leathery, pink to white flowers, some produce berries
- o Texture: Smooth bark, smooth long ovate leaves- some leathery, some semi-evergreen
- o Form: Tall hedge like shape
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Spring
- o Water needs: Mod
- o Maintenance: Low
- o Location and uses: Patio area, specimen, bird garden, hedge, mass planting, privacy screen, windbreak
- o Features: Pollution tolerant, drought tolerant, disease resistant, heat tolerant and shade tolerant, some produce berries that birds eat
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod



Ornamental Grass



Panicum virgatum Switchgrass

- o Size: 3-6' tall and 2-3' wide
- o Zone: 5-9
- o Color: Pink- tinge color in fall
- o Texture: Reed like
- o Form: Tall flower spikes mounding form
- o Sun Exposure: Full sun to part shade
- o Bloom time: Fall
- o Water needs: Low - Moderate
- o Maintenance: Cut back after frost in November or leave to decompose
- o Location and uses: Location: butterfly garden, patio area, attract wildlife, mass planting, hedge, border areas, flower garden, park strip, bird garden, rain garden, bio swale
- o Features: deer tolerant, drought tolerant, disease resistant, erosion control, pollutant tolerant
- o Soil: Well drained
- o pH: Any
- o Growth Rate: Fast



Helictotrichon sempervirens Blue Oat Grass

- o Size: 26-36" tall and 24" wide
- o Zone: 4-9
- o Color: Green blue color
- o Texture: Reed like
- o Form: Tall flower spikes mounding form
- o Sun Exposure: Full sun to part shade
- o Bloom time: Fall
- o Water needs: Low - Moderate
- o Maintenance: Cut back after frost in November or pull the dead out with your gloved hands in the spring
- o Location and uses: Location: butterfly garden, patio area, attract wildlife, mass planting, hedge, border areas, flower garden, park strip, bird garden
- o Features: deer tolerant, drought tolerant, semi-evergreen, disease resistant
- o Soil: Well drained
- o pH: Any
- o Growth Rate: Fast



Dwarf Hamelin Fountain Grass *Pennisetum alopecuroides* 'Hameln'

- o Size: 1-2' tall and wide
- o Zone: 4-11
- o Color: Green grass
- o Texture: Mounding thin grass blades
- o Form: Rounded mounding grass
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: summer to fall color
- o Water needs: Low
- o Maintenance: Low, can be hand raked to clean out winter dead
- o Location and uses: Mass plantings, rock gardens, flower gardens, park strip
- o Features: Disease resistant, pollution tolerant, drought tolerant, deer tolerant
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod – fast



Schizachyrium scoparium Little Bluestem

- o Size: 2' tall and wide
- o Zone: 3-9
- o Color: Green blue color
- o Texture: Reed like
- o Form: Tall flower spikes mounding form
- o Sun Exposure: Full sun to part shade
- o Bloom time: Fall
- o Water needs: Low - Moderate
- o Maintenance: Cut back after frost in November or leave to decompose
- o Location and uses: Location: butterfly garden, patio area, attract wildlife, mass planting, hedge, border areas, flower garden, park strip, bird garden, rain garden, bio swale
- o Features: deer tolerant, drought tolerant, semi-evergreen, disease resistant
- o Soil: Well drained
- o pH: Any
- o Growth Rate: Fast



Boutelous gracilis Blue Grama

- o Size: 3' tall and wide
- o Zone: 4-9
- o Color: Green-blue, straw color with 'eye-lash' seed heads
- o Texture: Wiry and sharp
- o Form: Rounded shape
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Semi evergreen, fall straw color with 'eye-lash' seed heads
- o Water needs: Low
- o Maintenance: Low, can be pruned or cleaned out with gloved hands as a rake
- o Location and uses: Border areas, mass plantings, hedge, rock garden, wildlife garden
- o Features: Native, disease resistant, pollution tolerant, drought tolerant, deer tolerant, erosion control
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod - fast



Vines



Lonicera japonica 'Halliana' Hall's Japanese Honeysuckle

- o Size: 15-30' tall and wide vine
- o Zone: 4-11
- o Color: Green with yellow and white flowers
- o Texture: Long thin branching, smooth rounded ovate leaves
- o Form: Vine
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Spring flower, semi-evergreen
- o Water needs: Low
- o Maintenance: Low, invasive so trim back to keep contained
- o Location and uses: Patio area, rock garden or wall, arbors, trellis, groundcover, screens
- o Features: Disease resistant, pollution tolerant, drought tolerant, deer tolerant, fire wise, can be invasive
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod – fast, depending on water source



Boston Ivy *Parthenocissus tricuspidata* 'Veitchii'

- o Size: 20' tall and wide
- o Zone: 3-9
- o Color: Green, fall berries and red color
- o Texture: Smooth lobed leaves, attaches to walls with holdfasts
- o Form: Invasive vine
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Spring small flower, black berries and fall red color
- o Water needs: Low
- o Maintenance: Low
- o Location and uses: Privacy screen if grown on something, cover walls, hide ugly items, ground cover
- o Features: Disease resistant, pollution tolerant, drought tolerant, deer tolerant, erosion control, can destroy gutters, shutter, and paint
- o Soil: Any
- o pH: Any
- o Growth Rate: Fast



Campsis radicans Trumpet Vine

- o Size: 15-30' tall and wide vine
- o Zone: 4-9
- o Color: Green with white flowers
- o Texture: Long thin branching, smooth ovate leaves
- o Form: Vine
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Summer to fall flower
- o Water needs: Mod
- o Maintenance: Mod: trim back to 1' every November or February, prune when necessary
- o Location and uses: Rock garden or wall, arbors, trellis, groundcover, screens
- o Features: Disease resistant, pollution tolerant, drought tolerant, fragrant, deer tolerant, heavy shade tolerance, can be invasive, needs to be attached to trellis
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod – fast, depending on water source



Tropaeolum spp Nasturtium

- o Size: 2'-4' tall and wide
- o Zone: 8-11 Annual in Utah
- o Color: Green leaves, flowers red, orange, yellow
- o Texture: Smooth round shaped leaves
- o Form: Mounding and trailing form
- o Sun Exposure: Full sun to part shade
- o Bloom time: Summer to fall
- o Water needs: Moderate
- o Maintenance: Cut back to keep tidy and in control
- o Location and uses: herb garden, ground cover, rock garden, mass plantings, flower garden, park strip, butterfly garden, patio area, attract wildlife, pollinator plant, pots
- o Features: heat tolerant, deer resistant, fragrant
- o Soil: Well drained
- o pH: Any
- o Growth Rate: Fast



Lathyrus odoratus Sweet Pea

- o Size: 2-8' tall and wide vine
- o Zone: Annual, 8-11
- o Color: Green with yellow and white flowers
- o Texture: Long thin branching, smooth rounded ovate leaves
- o Form: Vine
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Spring flower
- o Water needs: Medium
- o Maintenance: Medium
- o Location and uses: Patio area, rock garden or wall, arbors, trellis, groundcover, screens
- o Features: Pollution tolerant, deer tolerant, fragrant
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod – fast



Vitis labrusca 'Eastern Concord' Concord Grapes

- o Size: 20-25' tall and wide
- o Zone: 4-8
- o Color: Large green leaves with silver hue underneath
- o Texture: Rough dark bark, smooth long ovate leaves that almost weep in a tropical essence
- o Form: Spreading habit
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Spring
- o Water needs: Mod
- o Maintenance: Low
- o Location and uses: Patio area, espalier, bird garden, screen, privacy, edible
- o Features: Pollution tolerant, drought tolerant, deer tolerant, susceptible to moth, beetles, leaf hopper, mold, mildew and mealy bugs
- o Soil: Any
- o pH: Any
- o Growth Rate: Fast
- o

Vitis labrusca 'Concord' purple, mid season

- o *Vitis labrusca* 'Venus' purple, early season
- o *Vitis labrusca* 'Himrod' green, early season
- o *Vitis labrusca* 'Canadice' red, early season
- o *Vitis labrusca* 'Niagara' green, mid season
- o *Vitis labrusca* 'Vanessa' red, early season



Raspberry *Rubus idaeus* June Bearing: Taylor (early), Canby (mid), Latham (mid)

- o Size: Spreading canes 3-5' tall and wide
- o Zone: 4-8
- o Color: White- pink
- o Texture: Ovate heavily serrated leaves, fruit, some thornless some not
- o Form: Invasive shrub, dwarf
- o Sun Exposure: Full sun to partial shade
- o Bloom time: Spring, June Bearing
- o Water needs: Mod
- o Maintenance: Some fruits on old canes and some new – review species. Cut back only the ones that fruit
- o Location and uses: Natural area, mass planting, flowerbeds, butterfly garden, bird garden, ground cover, rock garden, forest area, rain garden
- o Features: Drought tolerant, deer tolerant, susceptible to root rot, disease resistant, clay tolerant, naturalize
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod



Raspberry *Rubus idaeus* Everbearing: Heritage, Jaclyn (fall)

- o Size: Spreading canes 3-5' tall and wide
- o Zone: 4-8
- o Color: White- pink
- o Texture: Ovate heavily serrated leaves, fruit, some thornless some not
- o Form: Invasive shrub, dwarf
- o Sun Exposure: Full sun to partial shade
- o Bloom time: Spring, Ever Bearing
- o Water needs: Mod
- o Maintenance: Some fruits on old canes and some new – review species. Can cut back all in the spring
- o Location and uses: Natural area, mass planting, flowerbeds, butterfly garden, bird garden, ground cover, rock garden, forest area, rain garden
- o Features: Drought tolerant, deer tolerant, susceptible to root rot, disease resistant, clay tolerant, naturalize
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod



Rubus Blackberry Upright: Illini (late) Kiowa (early)

- o Size: Spreading canes
- o Zone: 4-8
- o Color: White- pink
- o Texture: Ovate heavily serrated leaves, fruit
- o Form: Invasive shrub, dwarf
- o Sun Exposure: Full sun to partial shade
- o Bloom time: Spring
- o Water needs: Low
- o Maintenance: Fruits only on old canes. Cut back only the ones that fruit
- o Location and uses: Natural area, mass planting, flowerbeds, butterfly garden, bird garden, ground cover, rock garden, forest area, rain garden
- o Features: Drought tolerant, deer tolerant, susceptible to root rot, disease resistant, clay tolerant, naturalize
- o Soil: Clay
- o pH: Any
- o Growth Rate: Mod



Ribes rubrum White, Red, and Black Currant

- o Size: 4' tall and 5' wide
- o Zone: 4-8
- o Color: White- pink
- o Texture: Ovate heavily serrated leaves, fruit
- o Form: Invasive shrub, dwarf
- o Sun Exposure: Full sun to partial shade
- o Bloom time: Spring
- o Water needs: Low
- o Maintenance: Some fruits on old canes and some new – review species. Cut back only the ones that fruit
- o Location and uses: Natural area, mass planting, flowerbeds, butterfly garden, bird garden, ground cover, rock garden, forest area, rain garden
- o Features: Drought tolerant, deer tolerant, susceptible to root rot, disease resistant, clay tolerant, naturalize
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod

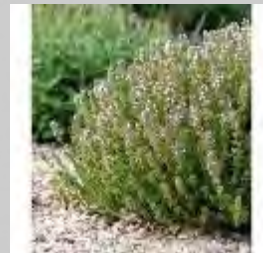
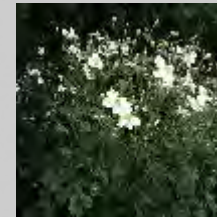


Ribes grossularia Gooseberry

- o Size: 4' tall and 5' wide
- o Zone: 4-8
- o Color: White- pink
- o Texture: Ovate heavily serrated leaves, fruit
- o Form: Invasive shrub, dwarf
- o Sun Exposure: Full sun to partial shade
- o Bloom time: Spring
- o Water needs: Low
- o Maintenance: Some fruits on old canes and some new – review species. Cut back only the ones that fruit
- o Location and uses: Natural area, mass planting, flowerbeds, butterfly garden, bird garden, ground cover, rock garden, forest area, rain garden
- o Features: Drought tolerant, deer tolerant, susceptible to root rot, disease resistant, clay tolerant, naturalize
- o Soil: Any
- o pH: Any
- o Growth Rate: Mod



Perennials



Heuchera sanguinea Coral Bells

- o Size: 12-18" tall and 9-12" wide
- o Zone: 3-8
- o Color: Leaves range from dark purple to pink to lime green with flowers that range from white to pinks
- o Texture: Long stalks with flowers and shorter mound of round cordate basal leaves
- o Form: Mound
- o Sun Exposure: Partial sun to full shade
- o Bloom time: Spring to early summer
- o Water needs: Low
- o Maintenance: Cut back after bloomed, can be dead headed, clean up in spring
- o Uses: Mass plantings, shade garden, bird garden
- o Features: Shade tolerant, foliage color gives long interest
- o Soil: Any
- o pH: Any
- o Growth Rate: Fast



Brunnera macrophylla Siberian Bugloss

- o Size: 1' tall and 2' wide
- o Zone: 3-8
- o Color: Blue flowers, white green leaves
- o Texture: Round heart shaped fuzzy leaves
- o Form: Small mounding form
- o Sun Exposure: Part to full shade
- o Bloom time: Spring
- o Water needs: Moderate
- o Maintenance: Cut back after frost in November or let it die on its own
- o Location and uses: Shade forest plant, mass planting, ground cover, forest area
- o Features: Colorful foliage, shade only plant, disease resistant, deer resistant, wet area
- o Soil: Well drained
- o pH: Any
- o Growth Rate: Mod



Hosta Hosta

- o Size: 2-3' tall and 2-3' wide
- o Zone: 3-8
- o Color: White to purple flower
- o Texture: Broad ovate leaves
- o Form: Tall mounding perennial
- o Sun Exposure: Partial shade to full shade
- o Bloom time: Late summer
- o Water needs: Low
- o Maintenance: Cut back after frost
- o Location and uses: Mass planting, bird garden, shade gardens
- o Features: Disease resistant, snails and slugs eat them
- o Soil: Any to well-drained
- o pH: Alkaline
- o Growth Rate: Fast



Aquilegia canadensis Columbine

- o Size: 16-36" tall and 12-18" wide
- o Zone: 3-9
- o Color: Purple, white, yellow, pinks
- o Texture: Round small leaves
- o Form: Tall flower spikes mounding form
- o Sun Exposure: Full sun to part shade
- o Bloom time: Spring
- o Water needs: Low - Moderate
- o Maintenance: Cut back after bloomed, can be deadheaded, or leave flowers to produce seeds, butterfly garden, patio area, attract wildlife, pollinator plant
- o Location and uses: Mass plantings, forested area, rock garden, bird garden, rain garden
- o Features: Delicate looking, long bloom, naturalizes, hardy plant, foliage interesting after bloom
- o Soil: Well drained
- o pH: Any
- o Growth Rate: Fast



Agastache rupestris Sunset Hyssop

- o Size: 1-4' tall and 1-3' wide
- o Zone: 4-10
- o Color: Orange to yellow and reds
- o Texture: Soft hairy leaves
- o Form: Tall mounding perennial
- o Sun Exposure: Full
- o Bloom time: late summer
- o Water needs: Low
- o Maintenance: Cut back late winter, can be deadheaded
- o Location and uses: Fragrant garden, bird garden, butterfly garden, mass planting
- o Features: deer tolerant, herb, fragrant, disease resistant, heat tolerant
- o Soil: Any to well drained
- o pH: Alkaline
- o Growth Rate: Fast



Agastache x 'Blue Fortuna' Blue Fortune Mexican Hyssop

- o Size: 1-3' tall and 1-3' wide
- o Zone: 4-10
- o Color: Orange to yellow and reds
- o Texture: Soft hairy leaves
- o Form: Tall mounding perennial
- o Sun Exposure: Full
- o Bloom time: late summer
- o Water needs: Low
- o Maintenance: Cut back in fall, can be deadheaded
- o Location and uses: Fragrant garden, bird garden, butterfly garden, mass planting
- o Features: deer tolerant, herb, fragrant, disease resistant, heat tolerant
- o Soil: Any to well drained
- o pH: Alkaline
- o Growth Rate: Fast



Aster tataricus Aster

- o Size: 3' tall and wide
- o Zone: 3-9
- o Color: Green, purple, blue, yellow center
- o Texture: Fuzzy thin ovate leaves
- o Form: Upright, columnar shape, can be pruned
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Fall
- o Water needs: Mod
- o Maintenance: Low
- o Location and uses: Mass plantings, flower garden, butterfly garden, rock garden, edging
- o Features: Disease resistant, pollution tolerant, drought tolerant, deer tolerant
- o Soil: Any
- o pH: Any
- o Growth Rate: Fast



Delphinium x hybridum - Delphinium

- o Size: 24-36" tall and 18-24" wide
- o Zone: 3-8
- o Color: Purple
- o Texture: Feathered small maple-like leaves
- o Form: Tall flower spikes mounding form
- o Sun Exposure: Full sun to part shade
- o Bloom time: Late spring to early summer
- o Water needs: Low - Moderate
- o Maintenance: Cut back after bloomed, can be deadheaded, or leave flowers to produce seeds, cut back in fall
- o Location and uses: Mass plantings, park strip, rock garden, bird garden, rain garden, butterfly garden, cut flower, patio area, attract wildlife, pollinator plant
- o Features: Long bloom, naturalizes, hardy plant, drought resistant, water-wise
- o Soil: Well drained
- o pH: Any
- o Growth Rate: Fast



Delphinium virescens Prairie Larkspur

- o Size: 24-36" tall and 18-24" wide
- o Zone: 3-8
- o Color: Purple
- o Texture: Feathered small maple-like leaves
- o Form: Tall flower spikes mounding form
- o Sun Exposure: Full sun to part shade
- o Bloom time: Late spring to early summer
- o Water needs: Low - Moderate
- o Maintenance: Cut back after bloomed, can be deadheaded, or leave flowers to produce seeds
- o Location and uses: Mass plantings, park strip, rock garden, bird garden, rain garden, butterfly garden, cut flower, patio area, attract wildlife, pollinator plant
- o Features: Long bloom, naturalizes, hardy plant, drought resistant, water-wise
- o Soil: Well drained
- o pH: Any
- o Growth Rate: Fast



False Indigo *Baptisia australis*

- o Size: 3 tall and wide
- o Zone: 3-9
- o Color: Green, purple, blue
- o Texture: smooth round leaves
- o Form: Tall flower spikes mounding form
- o Sun Exposure: Full sun to part shade
- o Bloom time: Late spring to early summer
- o Water needs: Moderate
- o Maintenance: Cut back after bloomed, can be deadheaded, cut back later winter
- o Location and uses: Mass plantings, bird garden, rain garden, butterfly garden, forest, cottage, meadows, native, cut flower, patio area
- o Features: Long bloom, naturalize, heavy clay
- o Soil: Well drained
- o pH: Any

- o Growth Rate: Fast



Bluestar Flower *Amsonia tabernaemontana*

- o Size: 2 tall and 3 wide
- o Zone: 3-9
- o Color: Blue
- o Texture: Thin long leaves, yellow fall color
- o Form: Tall flower spikes mounding form
- o Sun Exposure: Full sun to part shade
- o Bloom time: Late spring to early summer
- o Water needs: Moderate
- o Maintenance: Cut back after bloomed, can be deadheaded
- o Location and uses: Mass plantings, rock garden, bird garden, rain garden, butterfly garden, cut flower, patio area, attract wildlife, pollinator plant
- o Features: Long bloom, hardy plant, drought resistant
- o Soil: Well drained
- o pH: Any
- o Growth Rate: Fast



Wasatch Penstemon *Penstemon cyananthus*

- o Size: 8-16" tall and 12-30" wide
- o Zone: 4-10
- o Color: Purple
- o Texture: Long stalks of flowers and long flat leaves, or short fern like leaves, or round short leaves dependent on species
- o Form: Tall and thin
- o Sun Exposure: Sun to partial shade
- o Bloom time: Late Spring to early summer
- o Water needs: Very low, low, and moderate dependent on species
- o Maintenance: Can be deadheaded
- o Location and Uses: Flower garden, park strip, butterfly garden, patio area, attract wildlife, pollinator plant, mass planting, rock garden
- o Features: Deer tolerant, drought tolerant, disease resistant
- o Soil: Well drained to any
- o pH: Any
- o Growth Rate: Fast



Alpine strawberry *Fragaria vesca*

- o Size: 1' tall and wide
- o Zone: 5-9
- o Color: Green, white flowers
- o Texture: Round small leaves
- o Form: Mounding form
- o Sun Exposure: Full sun to part shade
- o Bloom time: Spring
- o Water needs: Mod to moist
- o Maintenance: Cut back to keep tidy and in control
- o Location and uses: edible garden, ground cover, rock garden, mass plantings, flower garden, park strip, butterfly garden, patio area, attract wildlife, pollinator plant
- o Features: edible, heat tolerant, drought tolerant, deer tolerant, disease resistant
- o Soil: Well drained
- o pH: Any
- o Growth Rate: Fast



Physostegia virginiana Obedient Plant

- o Size: 2-3' tall and wide
- o Zone: 3-9
- o Color: Purple, pink, white
- o Texture: Narrow lanceolate leaves
- o Form: Rounded shape with spike flowers, can be pruned
- o Sun Exposure: Full sun to partial shade
- o Bloom Time: Summer to fall
- o Water needs: Medium
- o Maintenance: Low
- o Location and uses: Mass plantings, flower garden, butterfly garden, rock garden, edging
- o Features: Disease resistant, pollution tolerant, drought tolerant, deer tolerant, good cut flower
- o Soil: Any
- o pH: Any
- o Growth Rate: Fast



Phlox paniculata 'David' – Garden Phlox

- o Size: 2-4' tall and 2-3' wide
- o Zone: 3-8
- o Color: White
- o Texture: Rounding mounds of green leaves and clusters of delicate flowers
- o Form: Short and round
- o Sun Exposure: Full sun to part shade
- o Bloom time: Summer to fall
- o Water needs: Moderate
- o Maintenance: Cut back after bloomed, can be deadheaded, cut back late winter
- o Location and uses: Mass plantings, butterfly garden, bird garden, flower garden, cut flowers
- o Features: Deer tolerant, clay tolerant, disease resistant, susceptible to root rot
- o Soil: Well drained to any
- o pH: Any
- o Growth Rate: Mod



Echinacea purpurea Purple Coneflower Or *E. paradoxa* Yellow Coneflower

- o Size: 1-4' tall and 1-2' wide
- o Zone: 3-9
- o Color: Pink, purple, white, hot pink, green leaves
- o Texture: Hairy to prickly leaves with soft flower petals
- o Form: Tall mounding perennial
- o Sun Exposure: Full
- o Bloom Time: Early summer to fall
- o Water needs: Low - Moderate
- o Maintenance: Deadhead throughout the season and cut back in fall, cut back late winter
- o Location and uses: Flower garden, butterfly garden, bird garden, park strip, attract wildlife, pollinator plant
- o Features: Medicinal, deer tolerant, drought tolerant, rocky and clay soil tolerant

- o Soil: Any
- o pH: Any
- o Growth Rate: Fast



'Raspberry Wine' Beebalm *Monarda didyma*

'Raspberry Wine'

- o Size: 3-4' tall and 18-24" wide
- o Zone: 4-8
- o Color: Pink
- o Texture: Long stalks, green to purple color leathery leaves that curl inward, medium-sized wide flowers
- o Form: Tall and mounding
- o Sun Exposure: Full sun to partial shade
- o Bloom time: Spring
- o Water needs: Moderate
- o Maintenance: Cut back after bloomed, can be deadheaded, clean up late winter
- o Location and uses: Mass plantings, flower garden, bird garden, butterfly garden
- o Features: Drought tolerant, disease resistant, mint like
- o Soil: Any
- o pH: Any
- o Growth Rate: Fast



Monarda punctata Spotted Bee Balm

- o Size: 3-4' tall and 18-24" wide
- o Zone: 3-8
- o Color: Pink to yellow
- o Texture: Long stalks, green to purple color leathery leaves that curl inward, medium-sized wide flowers
- o Form: Tall and mounding
- o Sun Exposure: Full sun to partial shade
- o Bloom time: Early Summer
- o Water needs: Moderate
- o Maintenance: Cut back after bloomed, can be deadheaded
- o Location and uses: Mass plantings, flower garden, bird garden, butterfly garden
- o Features: Drought tolerant, disease resistant, mint like, cut flower
- o Soil: Any
- o pH: Any
- o Growth Rate: Fast



Achillea millefolium Yarrow

- o Size: 2' tall and 3' wide
- o Zone: 3-9
- o Color: Yellow, white, pink
- o Texture: Small thin fern-like leaves
- o Form: Tall flower spikes mounding form
- o Sun Exposure: Full sun
- o Bloom time: Summer to fall
- o Water needs: Very low - Low
- o Maintenance: Cut back after bloomed, can be deadheaded, can be mowed over
- o Location and uses: Mass planting, bird garden, flower garden, boarder area, park strip, butterfly garden, patio area, attract wildlife, pollinator plant, fragrant, cottage gardens
- o Features: drought tolerant, interesting foliage if deadheaded, heat tolerant, naturalize, pollution tolerant
- o Soil: Well drained
- o pH: Any
- o Growth Rate: Fast



Solidago canadensis Goldenrod

- o Size: 3' tall and 3' wide
- o Zone: 3-9
- o Color: Yellow
- o Texture: Small thin fern-like leaves
- o Form: Tall flower spikes mounding form
- o Sun Exposure: Full sun
- o Bloom time: Fall
- o Water needs: Very low - Low
- o Maintenance: Cut back after bloomed, can be deadheaded, can be mowed over
- o Location and uses: Mass planting, bird garden, flower garden, boarder area, park strip, butterfly garden, patio area, attract wildlife, pollinator plant, fragrant, cottage gardens
- o Features: drought tolerant, interesting foliage if deadheaded, heat tolerant, naturalize, pollution tolerant
- o Soil: Well drained
- o pH: Any
- o Growth Rate: Fast



Coreopsis tripteris – Tickseed coreopsis

- o Size: 2' tall and 3' wide
- o Zone: 3-8
- o Color: Yellow
- o Texture: Small thin fern-like leaves to ovate round leaves
- o Form: Tall to short flower spikes mounding form
- o Sun Exposure: Full sun
- o Bloom time: Summer to fall
- o Water needs: Very low - Low
- o Maintenance: Cut back after bloomed, can be deadheaded, can be mowed over
- o Location and uses: Mass planting, bird garden, flower garden, boarder area, park strip, butterfly garden, patio area, attract wildlife, pollinator plant, cottage gardens
- o Features: drought tolerant, interesting foliage if deadheaded, heat tolerant, naturalize, pollution tolerant
- o Soil: Clay
- o pH: Any
- o Growth Rate: Fast



Eriogonum umbellatum Sulphur Buckwheat

- o Size: 6" tall and 2' wide
- o Zone: 4-8
- o Color: Yellow golden flowers
- o Texture: Small thin gray green ovate leaves
- o Form: Small flower umbels on mounding form
- o Sun Exposure: Full sun
- o Bloom time: Spring
- o Water needs: Low
- o Maintenance: Cut back after bloomed, can be deadheaded,
- o Location and uses: Mass planting, flower garden, boarder area, park strip, butterfly garden, patio area, attract wildlife, rock gardens, ground cover
- o Features: drought tolerant, heat tolerant, naturalize
- o Soil: Well drained
- o pH: Any
- o Growth Rate: Fast



Eutrochium purpureum Joe Pye Weed

- o Size: 5' tall and 4' wide
- o Zone: 4-9
- o Color: Purple flowers
- o Texture: Small thin gray green ovate leaves
- o Form: Small flower umbels on mounding form
- o Sun Exposure: Full sun
- o Bloom time: Summer
- o Water needs: Low
- o Maintenance: Cut back after bloomed, can be deadheaded,
- o Location and uses: Mass planting, flower garden, boarder area, park strip, butterfly garden, patio area, attract wildlife, rock gardens
- o Features: drought tolerant, heat tolerant, naturalize, deer tolerant, wet tolerant
- o Soil: Any
- o pH: Any
- o Growth Rate: Fast



Liatris spp. Gayfeather

- o Size: 16-48" tall and 12-18" wide
- o Zone: 3-8
- o Color: Purple and white
- o Texture: Small thin drooping leaves
- o Form: Tall flower spikes mounding form
- o Sun Exposure: Full sun
- o Bloom time: Summer to fall
- o Water needs: Low - Moderate
- o Maintenance: Cut back after bloomed, can be deadheaded
- o Location and uses: Mass planting, bird garden, flower garden, boarder area, park strip, butterfly garden, patio area, attract wildlife, pollinator plant
- o Features: drought tolerant, interesting foliage if deadheaded, heat tolerant
- o Soil: Well drained
- o pH: Any
- o Growth Rate: Fast



Black-eyed Susan *Rudbeckia fulgida*

- o Size: 2-3' tall and 2' wide
- o Zone: 3-9
- o Color: Yellows to red
- o Texture: Long stalks and long flat hairy leaves
- o Form: Mounding shrub, invasive if not deadheaded
- o Sun Exposure: Full sun
- o Bloom time: Summer to fall
- o Water needs: Low
- o Maintenance: Can be deadheaded
- o Location and uses: Mass plantings, butterfly garden, bird garden, flower garden, cut flowers, cottage garden, meadow
- o Features: Deer tolerant, clay tolerant, disease resistant, naturalize, excellent fall color
- o Soil: Any
- o pH: Any
- o Growth Rate: Fast



Leucanthemum x hybridum Shasta Daisy and Snowcap

- o Size: 3-4' tall and 2-3' wide
- o Zone: 5-9
- o Color: White flowers
- o Texture: Soft hairy small ovate leaves
- o Form: Tall mounding perennial
- o Sun Exposure: Full
- o Bloom time: Summer to late summer
- o Water needs: Low
- o Maintenance: Cut back in fall, can be deadheaded
- o Location and uses: Fragrant garden, bird garden, butterfly garden, mass planting, cut flower garden, cottage garden, rock garden
- o Features: Deer tolerant, herb, fragrant, disease resistant, heat tolerant
- o Soil: Any to well drained
- o pH: Alkaline
- o Growth Rate: Fast



Boltonia asteroides 'Pink Beauty' False Aster

- o Size: 3' tall and 3' wide
- o Zone: 4-9
- o Color: Pink
- o Texture: Fern-like small leaves
- o Form: Mounding form
- o Sun Exposure: Full sun to part shade
- o Bloom time: Fall
- o Water needs: Low - Moderate
- o Maintenance: Cut to keep tidy and in control
- o Location and uses: herb garden, ground cover, rock garden, mass plantings, flower garden, butterfly garden, patio area, attract wildlife, pollinator plant
- o Features: Heat tolerant, drought tolerant, deer tolerant, disease resistant, can be invasive
- o Soil: Well drained
- o pH: Any
- o Growth Rate: Fast



Hyssopus officinalis Hyssop

- o Size: 1' tall and 2' wide
- o Zone: 4-9
- o Color: Purple
- o Texture: Round small leathery leaves
- o Form: Mounding form
- o Sun Exposure: Full sun to part shade
- o Bloom time: Spring
- o Water needs: Low - Moderate
- o Maintenance: Cut back to keep tidy and in control
- o Location and uses: herb garden, ground cover, rock garden, mass plantings, flower garden, park strip, butterfly garden, patio area, attract wildlife, pollinator plant
- o Features: Heat tolerant, drought tolerant, deer tolerant, disease resistant, can be invasive, fragrant
- o Soil: Well drained
- o pH: Any
- o Growth Rate: Fast



Ratibida pinnata Grey-head Coneflower

- o Size: 2-3' tall and wide
- o Zone: 3-8
- o Color: Yellow
- o Texture: Long thin pinnate leaves
- o Form: Mounding form
- o Sun Exposure: Full sun to part shade
- o Bloom time: Summer
- o Water needs: Mod
- o Maintenance: Deadhead for more blooms
- o Location and uses: herb garden, ground cover, rock garden, mass plantings, flower garden, park strip, butterfly garden, patio area, attract wildlife, pollinator plant
- o Features: Heat tolerant, drought tolerant, disease resistant, naturalize, fragrant

- o Soil: Well drained
- o pH: Any
- o Growth Rate: Fast



Silphium perfoliatum Cup Plant

- o Size: 4' tall and 3' wide
- o Zone: 3-9
- o Color: Yellow
- o Texture: Wide leathery leaves
- o Form: Mounding form
- o Sun Exposure: Full sun to part shade
- o Bloom time: Summer
- o Water needs: Mod
- o Maintenance: Deadhead for more blooms and keep in control
- o Location and uses: herb garden, ground cover, rock garden, mass plantings, flower garden, park strip, butterfly garden, patio area, attract wildlife, pollinator plant
- o Features: Heat tolerant, deer tolerant, drought tolerant, disease resistant, naturalize, fragrant, wet tolerant
- o Soil: Any
- o pH: Any
- o Growth Rate: Fast



Glandularia canadensis or *Verbena canadensis* Rose Verbena

- o Size: 1' tall and 2' wide
- o Zone: Annual
- o Color: Rose-pink
- o Texture: Thin leathery leaves
- o Form: Mounding form
- o Sun Exposure: Full sun to part shade
- o Bloom time: Summer
- o Water needs: Mod
- o Maintenance: Deadhead for more blooms and keep in control
- o Location and uses: herb garden, ground cover, rock garden, mass plantings, flower garden, park strip, butterfly garden, patio area, attract wildlife, pollinator plant
- o Features: Heat tolerant, deer tolerant, drought tolerant, disease resistant, naturalize
- o Soil: Any
- o pH: Any
- o Growth Rate: Fast



Yellow Blanket Flower *Gaillardia x grandiflora* 'Mesa Yellow'

- o Size: 2' tall and wide
- o Zone: 3-10
- o Color: Yellow, reds, oranges
- o Texture: Small leathery leaves
- o Form: Tall flower spikes mounding form
- o Sun Exposure: Full sun
- o Bloom time: Summer
- o Water needs: Low - Moderate
- o Maintenance: Cut back after frost in November, can be deadheaded throughout summer, or leave flowers to produce seeds
- o Location and uses: Flower garden, park strip, butterfly garden, patio area, attract wildlife, pollinator plant
- o Features: Disease resistant, invasive, long bloom
- o Soil: Well drained
- o pH: Any
- o Growth Rate: Fast



Chrysanthemum morifolium Mums

- o Size: 2-3' tall and 1-2' wide
- o Zone: 5-9
- o Color: Orange, bronze, pink, red, yellow, white
- o Texture: Rounding mounds of small fuzzy green leaves and daisy like flowers
- o Form: Short and round
- o Sun Exposure: Full sun
- o Bloom time: Fall
- o Water needs: Moderate
- o Maintenance: Cut back after bloomed, can be deadheaded
- o Location and uses: Mass plantings, butterfly garden, bird garden, flower garden, cut flowers, borders
- o Features: Deer tolerant, susceptible to aphid, spider mites, wilt, and rust
- o Soil: Well drained to any
- o pH: Any
- o Growth Rate: Mod



Helianthus annuus Sunflower

- o Size: 2-8' tall and 1-3' wide
- o Zone: Annual
- o Color: Red, yellow, orange flowers
- o Texture: Fuzzy hairy leaves
- o Form: Tall stalk flower, reseeds easily
- o Sun Exposure: Full sun
- o Bloom Time: Summer flower
- o Water needs: Low - Medium
- o Maintenance: Clean up dead stalks in early spring, or cut down in fall and leave seed head out for birds, pull all the unwanted new plants in spring that have been reseeded by birds
- o Location and uses: Annual for Patio area, mass plantings, rock gardens, flower gardens, butterfly gardens
- o Features: Disease resistant, deep root, drought tolerant, drinks a lot of water if it can
- o Soil: Any, well drained
- o pH: Any
- o Growth Rate: Fast



Zinnia spp Zinnia

- o Size: 0.5 - 4' tall and 0.5 -1.5' wide
- o Zone: Annual
- o Color: All but blue and brown flowers
- o Texture: Fuzzy hairy ovate leaves
- o Form: Tall stalk flower, reseeds easily
- o Sun Exposure: Full sun
- o Bloom Time: Summer flower
- o Water needs: Low - Medium
- o Maintenance: Clean up dead stalks in early spring, or cut down in fall and leave seed head out for birds, pull all the unwanted new plants in spring that have been reseeded by birds
- o Location and uses: Annual for Patio area, mass plantings, rock gardens, flower gardens, butterfly gardens
- o Features: Disease resistant, deep root, drought tolerant, drinks a lot of water if it can
- o Soil: Any, well drained
- o pH: Any
- o Growth Rate: Fast



Tagetes erecta or *Tagetes patula* Marigold

- o Size: 0.5 - 2' tall and 0.5 -2' wide
- o Zone: Annual
- o Color: Yellow, orange, red, and whitish flowers
- o Texture: Fern like leaves
- o Form: Stalk flower,
- o Sun Exposure: Full sun
- o Bloom Time: Summer flower
- o Water needs: Medium
- o Maintenance: Clean up dead stalks in fall or collect seeds, produces seed heads but most will not grow after winter, can collect seeds to plant the following year.
- o Location and uses: Annual for Patio area, mass plantings, rock gardens, flower gardens, butterfly gardens
- o Features: Disease resistant, deep root, deters deer and other pests
- o Soil: Any, well drained
- o pH: Any
- o Growth Rate: Fast



Cosmos bipinnatus Cosmos

- o Size: 1 - 2' tall and 2 - 3' wide
- o Zone: Annual
- o Color: Yellow, red, pink and white flowers
- o Texture: Fern like leaves
- o Form: Stalk flower, reseeds well
- o Sun Exposure: Full sun
- o Bloom Time: Summer flower
- o Water needs: Medium
- o Maintenance: Clean up dead stalks in fall or collect seeds, reseeds well and could just be left alone allowing the dead stalks to compost over time.
- o Location and uses: Annual for Patio area, mass plantings, rock gardens, flower gardens, butterfly gardens, meadow gardens
- o Features: Disease resistant, deep root,
- o Soil: Any, well drained
- o pH: Any
- o Growth Rate: Fast



Centaurea cyanus Cornflower

- o Size: 1 - 2' tall and 2 - 3' wide
- o Zone: Annual
- o Color: Blue flowers
- o Texture: Fern like leaves
- o Form: Stalk flower, reseeds well
- o Sun Exposure: Full sun
- o Bloom Time: Early summer flower
- o Water needs: Medium
- o Maintenance: Clean up dead stalks in fall or collect seeds, reseeds well and could just be left alone allowing the dead stalks to compost over time.
- o Location and uses: Annual for Patio area, mass plantings, rock gardens, flower gardens, butterfly gardens, meadow gardens, pollinator, cut flower
- o Features: Disease resistant, naturalize, drought tolerant
- o Soil: Any, well drained
- o pH: Any
- o Growth Rate: Fast



Coreopsis tinctorial Annual Coreopsis

- o Size: 2' tall and 1-2' wide
- o Zone: Annual
- o Color: Yellow Red flowers
- o Texture: 1-2 pinnate finely cut leaves
- o Form: Stalk flower, reseeds well
- o Sun Exposure: Full sun
- o Bloom Time: Early summer flower
- o Water needs: Medium
- o Maintenance: Clean up dead stalks in fall or collect seeds, reseeds well and could just be left alone allowing the dead stalks to compost over time.
- o Location and uses: Annual for Patio area, mass plantings, rock gardens, flower gardens, butterfly gardens, meadow gardens, pollinator, cut flower
- o Features: Disease resistant, naturalize, drought tolerant
- o Soil: Any, well drained
- o pH: Any
- o Growth Rate: Fast



Erysimum cheiri Wallflower

- o Size: .5' tall and .5' wide
- o Zone: Annual or 7-9
- o Color: White, yellow, orange, red, or pink flowers
- o Texture: Elliptical leaves
- o Form: Stalk flower, reseeds well
- o Sun Exposure: Full sun
- o Bloom Time: Early summer flower
- o Water needs: Medium
- o Maintenance: Clean up dead stalks in fall or collect seeds, reseeds well and could just be left alone allowing the dead stalks to compost over time.
- o Location and uses: Patio area, mass plantings, rock gardens, flower gardens, butterfly gardens, meadow gardens, pollinator, cut flower
- o Features: Disease resistant, naturalize, drought tolerant
- o Soil: Any, well drained
- o pH: Any
- o Growth Rate: Fast



Consolida ajacis Larkspur

- o Size: 1 - 2' tall and 2 - 3' wide
- o Zone: Annual
- o Color: Purple and white flowers
- o Texture: Fern like leaves
- o Form: Stalk flower, reseeds well
- o Sun Exposure: Full sun
- o Bloom Time: Summer flower
- o Water needs: Medium
- o Maintenance: Clean up dead stalks in fall or collect seeds, reseeds well and could just be left alone allowing the dead stalks to compost over time.
- o Location and uses: Annual for Patio area, mass plantings, rock gardens, flower gardens, butterfly gardens, meadow gardens
- o Features: Disease resistant, deep root,
- o Soil: Any, well drained
- o pH: Any
- o Growth Rate: Fast



Lantana camara Lantana

- o Size: 1 - 2' tall and 1 - 2' wide, Depending on length of summer may be a lot smaller
- o Zone: 10-11
- o Color: Yellow, red, pink and white flower clusters
- o Texture: Ovate leaves
- o Form: Stalk flower, reseeds well
- o Sun Exposure: Full sun
- o Bloom Time: Summer flower
- o Water needs: Medium
- o Maintenance: Clean up dead stalks in fall or collect seeds, reseeds but seeds may not survive the winter outside, could collect them or make cuttings of plants, could just be left alone allowing the dead stalks to compost over time.
- o Location and uses: Annual for Patio area, mass plantings, rock gardens, flower gardens, butterfly gardens, meadow gardens
- o Features: Disease resistant, drought tolerant, deep root,
- o Soil: Any, well drained
- o pH: Any
- o Growth Rate: Fast



Grass Seed and Native Plant Nurseries

o <https://www.unps.org/index.html?PAGES/cohortlist.html>

-The site above lists numerous locations to purchase plants and seed that are more native.

-Granite Seed in Lehi

-Trees Northwest is a broker of 100s of nurseries who could arrange for a semi-truck delivery to your house

-J&J nursery is a good nursery

-Thrive Nursery in American Fork

-Shade Nursery in Orem

-For Wholesale plant growers you can try contacting growers but they may not sell to you unless you have a registered business for wholesale. Some of them are: Clifty View Nursery, Bear Paw Plants, Reggear Tree Farms, Pinaea Greenhouses, Bountiful Farms (Oregon), Alpha Nursery, Loen Nursery, Trees R Us, KCK Farms, T.H. Belcher

o For further inquiries and questions
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