



Resources for Wilder by Design: Hacks for Habitat Session 3

March 18th, 2026

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[K-State Extension Master Naturalist Program](#)

[MU Extension Master Naturalist Program](#)

[Deep Roots KC](#)

[Deep Roots KC Nature Advisor Program](#)

Planting for Habitat 🐛

Plant Stems: [Mt. Cuba Center](#), [North Carolina Extension](#)

Vertical Layers of Landscape: [Nature's Action Guide](#)

- Canopy
- Understory
- Shrub
- Herbaceous layer
- Groundcover
- Root layer

[Xerces Society: Native Plants for Pollinators and Beneficial Insects](#)

Hedgerows—[Perfect Earth Project article](#)

[Leaf & Limb](#) - [Pocket Forests and Thickets](#), [seeding a meadow—free ebook or hardback](#)

National Wildlife Federation's [Keystone Plants by Ecoregion](#)

Heather Holm [books](#) on Wasps, Bees, Pollinators of Native Plants

Heather Holm [pollinator_photos](#) 📷

[BeeMachine](#) APP for identifying bee species 🐝

Heather Holm [books](#) on Wasps, Bees, Pollinators of Native Plants

[Planting under Walnut Trees](#)

[Gaia's Garden: A Guide to Home-Scale Permaculture \(Walnut Guilds\)](#)

Garden Plants in Planning Example

Chokecherry, *Prunus virginiana*

New Jersey Tea, *Ceanothus americana*

Zigzag goldenrod, *Solidago flexicaulis*

White Wood Aster, *Eurybia divaricata*

Downy or Ashy Sunflower, *Helianthus mollis*

Butterfly Milkweed, *Asclepias tuberosa*

Black-eyed Susan, *Rudbeckia hirta*

Tickseed Coreopsis, *Coreopsis pubescens*

Daisy Fleabane, *Erigeron speciosus*

Violet, *Viola sororia*

Slides for easy reference



Showy Goldenrod
Solidago speciosa
Genus Species

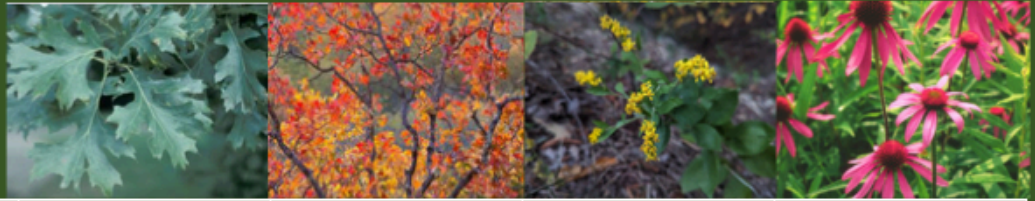


Fireworks Goldenrod
Solidago rugosa 'Fireworks'
Cultivar



Straight species name is *only* the genus and species, there will not be anything in quotes after it.





| | | | | |
|--------------------|-------------------------|-------------------------|-----------------------------|-------------------------------|
| Family | Fagaceae (Beech) | Fagaceae (Beech) | Asteraceae (Aster) | Asteraceae (Aster) |
| Genus | <i>Quercus (Oak)</i> | <i>Quercus (Oak)</i> | <i>Solidago (Goldenrod)</i> | <i>Echinacea (Coneflower)</i> |
| Species | <i>shumardii</i> | <i>stellata</i> | <i>nemorialis</i> | <i>purpurea</i> |
| Common Name | Shumard Oak | Post Oak | Gray Goldenrod | Purple Coneflower |

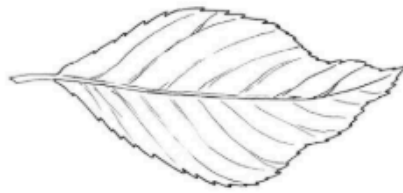


| | | | | |
|--|---|--|--|---|
| <i>Prunella vulgaris (Self Heal)</i> | <i>Prunella vulgaris ssp. lanceolata</i> | <i>Phlox paniculata 'Jeana'</i> | <i>Echinacea purpurea 'Razzmatazz'</i> | <i>Prunella vulgaris x P. laciniata</i> |
| Straight species (Native) | Subspecies | Natural Selection | Cultivar (or nativar when parents are native) | Hybrid |
| Can be reliably propagated by seed | A subspecies native to the US; can be reliably propagated by seed | Or nativar if parents are native species | Does not reliably propagate from seed | Does not reliably propagate from seed |
| Original species as it would be found in the wild without human cultivation or hybridization | An isolated population that differs from the straight species | Naturally occurring variation selected and bred for its desired traits | Intended or accidental crossbreeding of two selections | Two or more plants interbred from different species within the same genus |



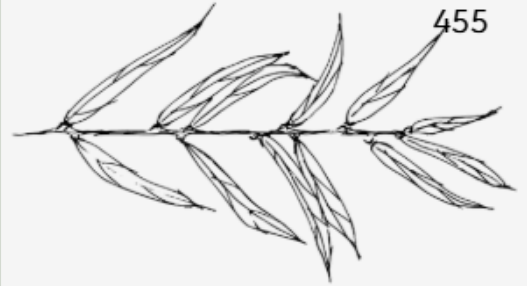
543

Quercus (Oak)



456

Prunus (Cherry)



455

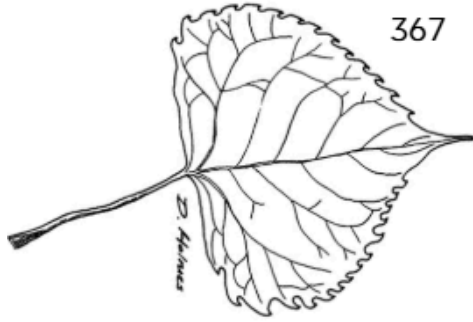
Salix (Willow)

Trees that support the most Caterpillars

Populus (Cottonwood)

Vaccinium (Blueberry)

Malus (Crabapple)



367



308



294



340

American Plum

Prunus



65

Flowering Dogwood

Cornus



108

Hazelnut

Corylus

Top 3 genera of shrubs/small trees that offer largest wildlife support in the KC region





Solidago (Goldenrod)

Supports 97 caterpillars/56 bee specialists



Symphiotrichum (Aster)

Supports 100 caterpillars/33 bee specialists



Helianthus (Sunflower)

Supports 73 caterpillars/89 bee specialists



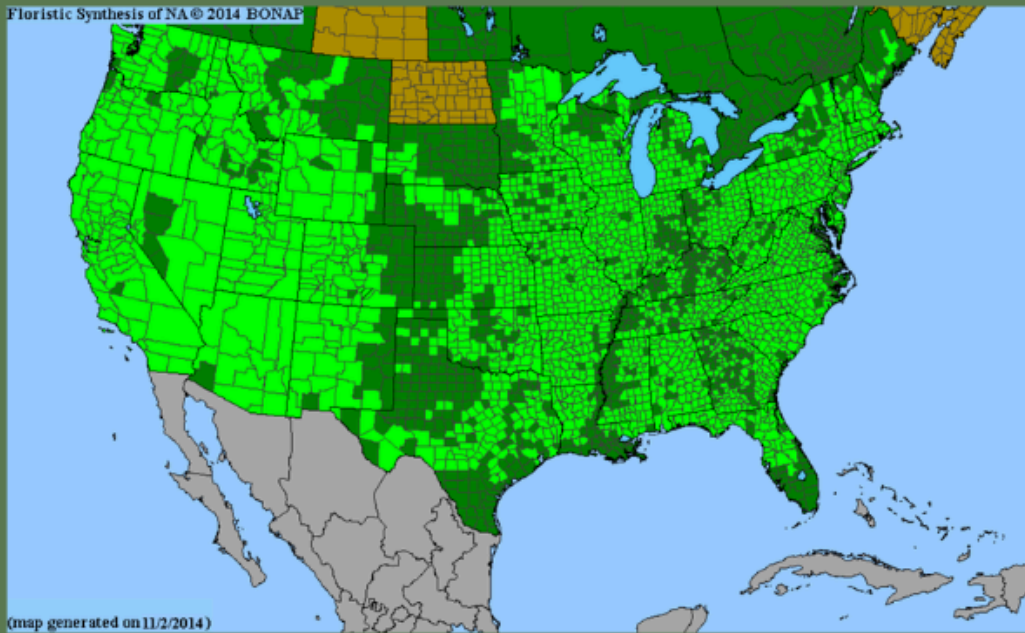
Planting Resources Outside KC



USDA Plants Database-Ceanothus americanus

- Master naturalist website
- State university extension office
- Local native plant nursery





Google search: BONAP Ceanothus

KC Local Native Plant Sales

- 3/28 Burr Oak Woods Nature Center, 12:30-4:30
- 4/11 Anita B Gorman Discovery Center, KCMO, 10-2
- 4/17 Lee's Summit Rotary Youth Camp, 4-6pm
- 4/18 Anita B Gorman Discovery Center, KCMO, 10-2
- 4/25 Fairway, Shawnee Indian Mission, 9-1
- 4/25 Backyard Bird Center, 10-2
- 5/9 St Joe, Remington Nature Center, 10-2
- 5/9 Prairie Village KS Municipal Offices, 10-2
- 5/16 Anita B Gorman Discovery Center, KCMO, 10-2



Native Plant Sources



Kansas City

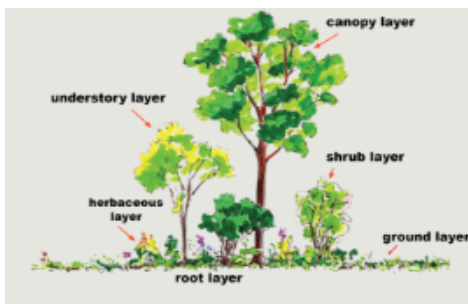
Botanical Belonging
City Roots Nursery
Crit-Site
Parsons' Gardens
Sow Wild Natives

KS & MO

Forrest Keeling
Missouri Wildflower Nursery
Ozark Soul Native Plants
Taylor Creek Restoration
Vinland Valley Nursery
Tree Seedlings:
Kansas Forest Service
Missouri Dept. of Conservation

Regional

Allendan Seed Company
Izel Native Plants
Prairie Moon Nursery
Prairie Nursery



Activation Plan

ID the 5 vertical layers
ID Keystone trees & shrubs
Consider hedgerows
ID Keystone perennials
ID bee specialist plants
7-step sketch



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"Know the ways of the ones who take care of you, so that you may take care of them. Introduce yourself. Be accountable as the one who comes asking for life." — Robin Wall Kimmerer

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