

Plants For an Elm Grove Garden

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Elm Grove Library– May 25, 2023

***Achillea filipendulina* ‘Gold ‘Plate’**

Zone: 3-8 3-5’ x 2-3’ T&W Full sun Native: Asian Steppe

***Agastache* ‘Blue Fortune’**

Zone: 5-9 3’ x 3’ Tall & Wide Full to Part Sun *North American Native Hybrid*

***Amorpha canescens* – Lead Plant**

Zone: 2-9 3’ x 3’ T&W Full Sun Native: Midwest

***Aesculus parviflora* – bottlebrush buckeye**

Zone: 4-8 28’ x 17’ Tall & Wide Sun to Shade Native: eastern U.S.

Benefits: cover, nest, nectar & pollen producer, mammal food.

***Allium lusitanicum* (syn. *angulosum*) ‘Summer Beauty’ – [Amaryllidaceae]**

Zone: 4-9 18” x 18” Full to Part Sun Native: Central Europe to N. Asia

***Amsonia: hubrichtii, tabernaemontana, tabernaemontana var. salicifolia* – [Apocynaceae]**

Zone: 5-8 3’ x 3’ Full to Part Sun Native: South Central U.S.

***Amelanchier: x grandiflora* ‘Autumn Brilliance’ – Serviceberry [Rosaceae]**

Zone: 4-8 20-30’ x 15-25’ Full to Part Sun Native: Eastern U.S.

***Aronia: arbutifolia* ‘Brilliantissima’, *melanocarpa* ‘Viking’ – Chokeberry [Rosaceae]**

Zone: 3/4 - 8/9 5-8’ x 4-7’ Full to Part Sun Native: Eastern N.A.

Benefits: cover, nest, breeding food, nectar & pollen producer, spring & fall migratory food, mammal & caterpillar food, sequesters carbon

***Asarum canadense* – Wild ginger [Aristolochiaceae]**

Zone: 4-6 0.5’ x 1.5’ Part to Full Shade Native: East of Rockies

***Asclepias: incarnata, purpurescens, sullivantii, syriaca, tuberosa, verticillate* - Milkweeds**

***Asimina triloba* – pawpaw [Annonaceae]**

Zone: 5-9 15-30’ x 15-30’ Full to Part Sun Native: Southeastern U.S.

Benefits: Cover, nest, pollen & nectar, fruit, mammal & caterpillar food, stormwater applications

Baptisia: australis – False Indigo [Fabaceae]

Zone: 4-9 3-4' x 3-4' Full to Part Sun Native: Central & Eastern U.S.

Betula nigra – river birch

Zone: 4-9 55' x 50' Tall & Wide Part - Full Sun Native: Eastern U.S.

Benefits: breeding food, winter food, spring & fall migratory food, caterpillar food.

Calamagrostis x acutiflora 'Karl Foerster'

Zone: 5-9 3-6' x 1.5-2.5' Full Sun

Calamintha nepeta ssp. Nepeta – Calamint [Lamiaceae]

Zone: 5-7 2-3' x 2-3' Full Sun Native: Southern Europe

Carex: albicans, bromoides, cherokeensis, muskingumensis, plantaginea, socialis

Carpinus caroliniana – Musclewood [Betulaceae]

Zone: 3-9 20-25' T&W Part to Full Shade Native: Eastern U.S.

Benefits: cover, nesting, breeding, spring migration, mammal & caterpillar food

Chelone 'Hot Lips' – Turtle Head

Zone: 3-8 2-4' x 1.5-2.5' Part Shade Native: SE U.S.

Carya ovata – Shagbark Hickory [Juglandaceae]

Zone: 4-8 80' x 60' T&W Part - Full Sun Native: Eastern U.S.

Benefit: cover; nest; breeding, spring & fall migratory food; mammal & caterpillar food, sequester C

Chionanthus virginicus – Fringe Tree [Oleaceae]

Zone: 3-9 12-20' Tall & Wide Full to Part Sun Native: Eastern U.S.

Benefits: cover, nesting, pollen

Claytonia virginica – Spring Beauty

Zone: 3-8 0.5' x 0.5' Full to Part Sun Native: Eastern North America

Cornus alternifolia – Pagoda dogwood [Cornaceae]

Zone: 3-7 20' x 25' T&W Part - Full Sun Native: Eastern U.S.

Benefits: cover, nest, nectar & pollen producer, breeding food.

Crataegus viridis ‘Winter King’ - Hawthorn [Rosaceae]

Zone: 4-7 25’-35’ T&W Full Sun Native: Southeast U.S.

Deschampsia caespitosa ‘Goldtau’

Zone: 4-9 2-3’ x 2-3’ Part to Full Sun Native: Circumpolar

Echinacea pallida – Pale Purple Cone Flower [Asteraceae]

Zone: 3-10 3’ x 1-1.5’ Full Sun Native: Central & Eastern U.S.

Eryngium yuccifolium – Rattlesnake Master

Zone: 3-8 4-5’ x 2-3’ Full Sun Native: United States

Eutrochium maculatum, purpureum – joe pye weed

Zone: 4-9 6’ x 4’ Tall & Wide Part - Full Sun Native: East of Great Plains

Benefits: nectar & pollen producer, caterpillar food

Fothergilla x intermedia ‘Blue Shadow’ (F. major x F. gardenii) [Hamamelidaceae]

Zone: 5-8 4-6’ T&W Full to Part Sun Native: Southeast U.S.

Fragaria virginiana – wild strawberry

Benefits: cover, breeding food, nectar & pollen producer, mammal food.

Geranium ‘Bevan’s Variety’

Zone: 3-8 1’ x 1-2’ Part Sun

Gillenia trifoliata syn. Porteranthus trifoliatus– Bowman’s Root [Rosaceae]

Zone: 4-8 2-4’ x 1.5-3’ Full to Part Sun Native: Eastern North America

Hamamelis virginiana – witch hazel

Zone: 3-8 18’ x 18’ Tall & Wide Part - Full Sun Native: East of Great Plains

Benefits: cover, nest, caterpillar food.

Heptacodium miconiodes – Seven-Son Flower [Caprifoliaceae]

Zone: 5-9 15-20’ x 8-10’ Full Sun Native: China

Heuchera villosa ‘Autumn Bride’

Zone: 3-8 2-3’ x 2’ Part Sun Native: Eastern U.S.

Hydrangea quercifolia – Oak leaf hydrangea [Hydrangeaceae]

Zone: 5-9 6-8' T&W Full to Part Sun Native: Southeast U.S.

Benefits: Cover, nesting, pollen, nectar

Itea virginica 'Henry's Garnet' – Virginia Sweetspire [Iteaceae]

Zone: 5-9 4-6' T&W Full to Part Sun Native: Eastern U.S.

Juniperus virginiana – eastern red cedar **J.v. [Emerald Sentinel] = 20' x 6'** J.v. 'Taylor' = 17' x 4'

Zone: 3-9 “wide range” Tall & Wide Full Sun Native: Eastern U.S.

Benefits: cover, nest, breeding & winter food, caterpillar food.

Liatris pycnostachya

Zone: 3-9 2-5' x 1' Full Sun Native: Central & Southern U.S.

Lindera benzoin – Spicebush [Lauraceae]

Zone: 4-9 6-12' T&W Part Shade Native: Central & Eastern U.S.

Benefits: Cover, nesting, pollen, nectar, food for fall migrating birds, caterpillar food (spicebush swallowtail), stormwater applications

Lobelia cardinalis – Cardinal Flower [Campanulaceae]

Zone: 3-9 2-4' x 1-2' Full to Part Native: Americas

Molinia caerulea 'Poul Pedersen'

Zone: 4-8 2-3' x 1.5-2' Full to Part

Monarda bradburiana

Zone: 5-8 2-2.5' x 2-3' Full to Part Native: Central & Southern U.S.

Packera aurea – Golden ragwort [Asteraceae]

Zone: 3-8 0.5-2' x 1.5' Part Sun Native: Central & Eastern U.S.

Penstemon digitalis 'Pocahontas'

Zone: 3-8 2-4' x 2-3' Full to Part Native: Eastern U.S.

Phlox paniculata 'Jeana' – Garden Phlox [Polemoniaceae]

Zone: 4-8 3-5' x 2-3' Full to Part Sun Native: Eastern U.S.

Pinus strobus – white pine

Zone: 3-8 65' x 30' Tall & Wide Part - Full Sun Native: Eastern U.S. & Canada

Benefit: cover/nest; winter, breeding & spring migrate food, mammal & caterpillar food, sequester C

Pycnanthemum: flexuosum, incanum, muticum, pilosum, tenuifolium, virginianum

Pycnanthemum muticum – mountain mint

Zone: 4-8 3' x 3' Tall & Wide Part - Full Sun Native: East of Rockies

Benefits: cover, nectar & pollen producer

Quercus bicolor – Swamp White Oak [Fagaceae]

Zone: 3-9 60' x 60' Part - Full Sun Native: East of Great Plains

Benefits: cover, nest, breeding food, nectar & pollen producer, spring & fall migratory food, mammal & caterpillar food, sequesters carbon

Rudbeckia (fulgida var. deamii) 'American Gold Rush'

Zone: 3-9 2' x 2' Full Sun Native: U.S., natural cultivar

Salvia nemorosa 'Caradonna'

Zone: 4-8 2-3' 1.5-2.5' Full Sun

Schizachyrium scoparium – little bluestem [Poaceae]

Zone: 3-9 2-4' x 1.5-2' Full Sun Native: Central & Eastern North America

Sesleria autumnalis

Zone: 5-8 1-2' x 1-2' Part to Full Sun Native: Europe

Solidago: bicolor, caesia, flexicaulus, (Euthamia) graminifolia, juncea, nemoralis, odora, (Oligoneuron) rigida, rugosa, r. 'Fireworks' speciosa, sphacelata 'Golden Fleece'

Sporobolus heterolepis

Zone: 3-9 2-3' x 2-3' Full Sun Native: Central U.S.

Stachys officinalis 'Hummelo'

Zone: 4-8 1.5-2' 1-1.5' Part to Full Sun

Symphotrichum oblongifolium 'Raydon's Favorite'

Zone: 3-9 2-3' T&W Full Sun Native: Eastern U.S.

Viburnum dentatum – arrowwood viburnum [Adoxaceae]

Zone: 2-8 8' x 8' Tall & Wide Part to Full Sun Native: East of Great Plains

Benefits: cover, nest; winter, breeding, spring & fall migration, and caterpillar food, nectar & pollen.

Viburnum opulus var. Americanum – American cranberrybush [Adoxaceae]

Zone: 2-7 8-12' T&W Full to Part Sun Native: East of Great Plains

Benefits: cover, nest; winter, breeding, spring & fall migration, and caterpillar food, nectar & pollen.

Zizia aurea – Golden Alexander [Apiaceae]

Zone: 3-8 1.5-3' 1.5-2' Full to Part Sun Native: Eastern North America

Top 20 species for caterpillars:

Quercus - 534	Carya - 200
Salix - 456	Crataegus - 159
Prunus - 456	Alnus - 156
Betula - 413	Picea - 156
Populus - 368	Fraxinus - 150
Malus - 311	Tilia - 150
Vaccinium - 288	Corylus - 131
Acer - 285	Juglans - 130
Ulmus - 213	Fagus - 126
Pinus - 203	Castanea - 125

By Number of Caterpillars Supported | 53122 Area Code:

Trees and Shrubs:

Quercus - 389
Salix - 380
Prunus - 377
Betula - 358
Populus - 324
Acer - 255
Malus - 254
Vaccinium - 253
Alnus - 233
Pinus - 213
Carya - 186
Ulmus - 177
Crataegus - 144
Rubus - 138
Tilia - 133

Forbs & Grasses:

Solidago - 102
Fragaria - 68
Helianthus - 65
Lotus - 33
Viola - 29
Eutrochium - 28
Lupinus - 28
Amorpha - 25
Geranium - 24
Panicum - 23
Sium - 23
Epilobium - 23
Linum - 20
Apocynum - 19
Erigeron - 18

Additional Resources:

Books:

The Know Maintenance Perennial Garden – Roy Diblik

The Living Landscape: Designing for Beauty & Diversity in the Home Garden – Rick Darke & Doug Tallamy

Planting in a Post-Wild World – Thomas Rainer & Claudia West

Bringing Nature Home - Doug Tallamy – he has a new book, Nature's Best Hope.

The New American Landscape: Leading Voices on the Future of Sustainable Gardening – Edited by Thomas Christopher

Attracting Beneficial Bugs to Your Garden – Jessica Walliser

The American Meadow Garden – John Greenlee

Garden Revolution: How Our Landscapes can be a Source of Environmental Change – Larry Weaner & Thomas Christopher

Planting: A New Perspective – Noel Kingsbury & Piet Oudolf – Not so much a look at garden ecology but a good reference for designed plant communities and naturalistic design aesthetics

Websites:

<https://www.luriegarden.org/plant-life/>

<https://mtcubacenter.org/native-plant-finder/>

<http://www.missouribotanicalgarden.org/plantfinder/plantfindersearch.aspx>