

Native Havens LLC

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Presentation Plant List- Plants grouped according to *function in a garden/plant community.

*Note: Functional categories taken from the book "Planting in a Post-Wild World", which I highly recommed reading.

Botanic Name	Common Name	Type	Function	Ecological Value (not comprehensive)	Semi/Ever green Basal Foliage	Deer Resistance	Additional Comments
Allium cernuum	Nodding Onion	perennial	Filler Plant	Nectar source, attracts hummingbirds and butterflies	yes	high	12-18", seeds into bare soil areas (deadhead if reseeding not desired), very drought tolerant and soil pH adaptable
Aquilegia canadensis	Eastern Red Columbine	perennial	Filler Plant	Larval host plant, Nectar source, attractive to Hummingbirds	yes	high	1-3', drought and tolerant, best with some shade, requires good drainage, short-lived but proliferates by self-seeding
Asclepias tuberosa	Butterfly Weed	perennial	Filler Plant	Butterfly Host Plant, Nectar source, other wildlife value	no	high	1-2', requires good drainage, drought tolerant, long-blooming. Monarch butterfly host plant. Note: I put this in "filler plant" because it's been short-lived in my clay soil & self-seeds in open spots w/ no mulch, or pushing through short groundcovers.
Coreopsis tinctoria	Plains Coreopsis	annual	Filler Plant	Nectar source, attracts birds and butterflies	no	high	1-2', annual (not perennial), full sun to part shade, moist to avg soil, annual, can self-sow. May not work with mowing schedules in early meadows.
Geranium maculatum	Spotted Geranium	perennial	Filler Plant	Nectar source, other wildlife value	no	low	1-2', moist to dry soil, part shade to shade. Seeds fall to ground near base parent plant.
Lobelia cardinalis	Cardinal Flower	perennial	Filler Plant	Nectar plant, attracts birds, butterflies, hummingbirds	yes	moderate	2-5', Red flowers for weeks during summer, best in moist soil, short lived but can seed into scarified soil without mulch(e.g. creek bank)
Penstemon digitalis	Beardtongue	perennial	Filler Plant	Larval host plant, nectar plant, special value to native bees	yes	high	Thick basal foliage w/ flower on tall stem in Spring. Avg to dry soil, sun-part sun. Tolerates clay but not wet. We love this as a meadow component b/c spring interest. Seeds fall near parent.
Penstemon hirsutus	Hairy Beardtongue	perennial	Filler Plant	Larval host plant, nectar plant	yes	high	Sun to shade, dry to moist soil- very adaptable. Seeds itself. Blooms May-June. Light purple flowers. Hairy stems.
Penstemon smallii	Small's Beardtongue	perennial	Filler Plant	Larval host plant, nectar plant for hummingbirds, butterflies, long-tongue bees	yes	high	special value to native bees, short-lived but seeds itself. Tolerates sun to part shade. Moist to dry soil.
Rudbeckia hirta	Brown-eyed Susan	perennial	Filler Plant	Larval host plant, nectar plant, attracts birds and bees	no	high	1-2', short-lived, but good temporary cover with flowers, can seed heavily. Essential component in young meadow. Note: don't overdo b/c can stunt other meadow seedlings.
Sisyrinchium angustifolium 'Lucerne'	Lucerne' Blue Eyed Grass	perennial	Filler Plant	Nectar plant, other wildlife value	yes	high	12", short-lived perennial with small Iris-like foliage, can perpetuate by seeding, prefers moist to average

							soil
Antennaria plantaginifolia	Plantain-leaved Pussytoes	perennial	Ground Cover	Larval host plant, nectar plant	yes	high	6" tall, spreads by rhizomes, requires sun and well drained sites, tolerates dry gritty soil, inhibits weed growth, a must try!
Arctostaphylos uvi-ursa	Bearberry	perennial	Ground Cover	Larval host plant, nectar plant	yes	high	4" tall, sun to part shade, requires perfect drainage (not clay) and acidic soil. Mine grows into a stone-filled dry well.
Asarum canadensis	Wild ginger	perennial	Ground Cover	Larval host plant, other wildlife value	no	high	6-12", Inconspicuous flower, thick g/c for shade and drought tolerant
Aster divaricatus 'Eastern Star'	Eastern Star' White Wood Aster	perennial	Ground Cover	Larval host plant, nectar plant	yes	moderate	18-24", tolerates dry shade under other plants, hosts Pearl Crescent and Checkerspot
Chyrosogonum virginianum	Gold Star	perennial	Ground Cover	Nectar plant, other ecological value	yes	high	4-6" tall, part sun to part shade, moist/well-drained soil. Needs moisture when in more sun. A favorite ground cover, must try!

Botanic Name	Common Name	Type	Function	Ecological Value (not comprehensive)	<u>Semi/Ev</u> <u>erge en</u> <u>Basal</u> <u>Foliage</u>	<u>Deer</u> <u>Resistanc</u> <u>e</u>	Additional Comments
Erigeron pulchellus var. pulchellus 'Lynhaven Carpet'	Robin's fleabane	perennial	Ground Cover	Nectar plant, other ecological value	yes	high	4" tall, part sun, flowers in early May, spreads by short rhizome and seed (it doesn't crowd other plants because its foliage is so low to the ground). This cv has fuzzy leaves- we love it!
Frageria virginiana	Wild Strawberry	perennial	Ground Cover	Larval host plant, nectar plant	Yes	high	Ground-hugging, spreads by stolons, sun to part shade, dry soil
Geranium macrorrhizum	Bigroot Geranium	perennial	Ground Cover	Larval host plant, nectar plant	yes	high	Non-native, white flower in 'Alba', likes to colonize so provide room, very deer resistant. Useful ground cover, very tough and drought resistant.
Geranium x 'Karmina'	Karmina' Geranium	perennial	Ground Cover	Nectar plants	yes	high	Hybrid, workhorse in my garden replacing need for mulch. Slow growing. Lavender-pink flowers in June. Red fall/winter foliage
Geum fragaroides	Appalachian Barren Strawberry	perennial	Ground Cover	Nectar plant, other wildlife value	yes	high	3-6", full sun to partial shade, spring-flowering, avoid very hot planting site. Soil adaptable. Very promising trials.
Heuchera villosa 'Autumn Bride'	Autumn Bride' Coral Bells	perennial	Ground Cover	Nectar plant	yes	low	18-24", large light green leaves and late season bloom standing up to 2', best in part shade, moist, well drained soil
Iris cristata	Dwarf Crested Iris	perennial	Ground Cover	Larval host plant, nectar plant	no	high	6-8" tall, shade. Petite native Iris for the shade garden.
Meehania cordata	Meehan's Mint	perennial	Ground Cover	Nectar plant	no	high	2-3" tall, deciduous, moist to dry, shade to part sun,. Can tolerate sun if moist soil. Tolerates alkaline soil. Needs time to fill in, trials showed only sparse coverage after one year.

Packera aurea	Golden Groundsel	perennial	Ground Cover	Nectar plant, other ecological value	yes	high	1-2', seeding can be controlled by deadheading but mostly spreads by rhizome, forms dense colony, needs more moisture if grown in full sun
Packera obovata	Round leaf Ragwort	perennial	Ground Cover	Nectar plant, other ecological value	yes	high	1-1.5', similar to P. aurea, but tolerates drier soil and more sun.
Phlox stolonifera	Creeping Phlox	perennial	Ground Cover	Nectar plant	yes	moderate	Shade to part shade, dry to moist, prolific spring bloomer, use 2 different cvs to get viable seed to encourage seeding.
Phlox subulata	Moss Phlox	perennial	Ground Cover	Nectar plant	yes	high	Dry soil, full sun to part shade
Solidago sphacelata 'Golden Fleece'	Golden Fleece' Goldenrod	perennial	Ground Cover	Nectar plant	yes	high	Hybrid, shorter (12-18") flowers in autumn, evergreen basal foliage makes good weed suppression, full sun and dry soil
Viola sororia	Common Blue Violet	perennial	Ground Cover	Fritillary Butterfly larval host plant, nectar plant	no	high	A workhorse in my garden, creating a dense carpet by early spring, flowers and young leaves edible. Embrace this plant!
Carex amphibola	Creek Sedge	sedge/grass/rush	Ground Cover	Larval host plant, nectar plant, seeds for birds	yes	high	12-18" tall, wet to dry soil, sun to shade, very adaptable
Carex appalachica	Appalachian Sedge	sedge/grass/rush	Ground Cover	Larval host plant, nectar plant, seeds for birds	yes	high	12", tolerates dry shade, tidy clumping habit, intolerant of too much moisture.
Carex cherokeensis	Cherokee Sedge	sedge/grass/rush	Ground Cover	Larval host plant, nectar plant, seeds for birds	yes	high	12-18" tall, moist to dry, sun to shade. I'm using this in tight groupings and it's been great! Can grow taller in rich conditions.
Carex eburnia	Bristleleaf Sedge	sedge/grass/rush	Ground Cover	Larval host plant, nectar plant, seeds for birds	yes	high	6-8" tall, sun to shade, tolerates limestone soil and drought
Carex laxiculmis	Glaucous Woodland Sedge	sedge/grass/rush	Ground Cover	Larval host plant, nectar plant, seeds for birds	yes	high	6-14" tall, partial to deep shade, the more sun it gets the more moisture it requires. Wants moist, organic rich soil but doesn't require wet conditions.
Carex pennsylvanica	Pennsylvania Sedge	sedge/grass/rush	Ground Cover	Larval host plant, nectar plant, seeds for birds	yes	high	6-12" tall, adaptable to dry shade, rhizomatous, slow to spread, long-lived
Carex plantaginea	Seersucker Sedge	sedge/grass/rush	Ground Cover	Larval host plant, nectar plant, seeds for birds	yes	high	6-12" tall, moist shade to part shade, wider blade than most sedges. Light green color and interesting texture. Tolerates dry soil if enough shade.
Deschampsia cespitosa 'Goldtau'	Tufted Hairgrass	sedge/grass/rush	Ground Cover	Wildlife cover, other ecological value	yes	high	12-24", Selected for compact habit, full sun to part sun and moist/ occasionally-wet to average soil, cool-season growth

Botanic Name	Common Name	Type	Function	Ecological Value (not comprehensive)	<u>Semi/Even</u> <u>Basal</u> <u>Foliage</u>	<u>Deer</u> <u>Resistance</u>	Additional Comments
Juncus tenuis	Path rush	sedge/grass/rush	Ground Cover	Wildlife cover, other ecological value	yes	high	6-18", Ecological planting workhorse for moist soil, also

							drought tolerant. Excited about the possibilities for this plant!
Agastache foeniculum	Anise Hyssop	perennial	Seasonal Theme Plant	Nectar source, attractive to Hummingbirds	no	high	2-5', drought tolerant, requires good drainage, long bloom period. Native to midwest but adaptable to east. Self seeds into bare soil and could have put in "Filler" category.
Amsonia hubrichtii	Threadleaf Bluestar	perennial	Seasonal Theme Plant	Nectar plant	no	high	2-3', long-lived perennial with thread-like leaves, great texture and movement, spring flowers, striking fall color. A favorite!
Asclepias incarnata	Swamp Milkweed	perennial	Seasonal Theme Plant	Butterfly Host Plant, Nectar source, other wildlife value	no	high	2-4', moist to average soil, tolerates wet clay, deer resistant. Monarch butterfly host plant
Aster cordifolius	Blue Wood Aster	perennial	Seasonal Theme Plant	Larval host plant, nectar plant	no	moderate	Now Symphyotrichum, Hosts the Silvery Checkerspot, Pearl Crescent, several moths, shade to part shade. Forms colonies from rhizomes.
Aster novae-angliae 'Purple Dome'	Purple Dome' Aster	perennial	Seasonal Theme Plant	Butterfly Host Plant, Nectar source, other wildlife value	no	moderate	(Symphyotrichum) 18-24", moist to dry well-drained, tolerates clay and alkaline soil, benefits from division every few years
Aster oblongifolius 'October Skies'	October Skies' Aromatic Aster	perennial	Seasonal Theme Plant	Butterfly Host Plant, Nectar source, other wildlife value	no	high	15-18", moist to dry soil, drought-tolerant, now called Symphyotrichum oblongifolium. Late blooms attract pollinators
Coreopsis verticillata	Threadleaf Coreopsis	perennial	Seasonal Theme Plant	Nectar source, attracts birds and butterflies	no	high	18-24", full sun, dry soils, seeds eaten by birds. 'Zagreb' has stiff upright habit, dense.
Echinacea purpurea	Purple Coneflower	perennial	Seasonal Theme Plant	Butterfly Host Plant, Nectar source, other wildlife value	no	moderate	3-4', moist to dry soil but requires good drainage, tolerates alkaline soil, blooms mid-summer. Happy on edge with part shade.
Eupatorium perfoliatum	Common Boneset	perennial	Seasonal Theme Plant	Nectar plant, attracts birds, bees, butterflies	no	low	3-4', white flowers in late summer/early fall, best in sun to part sun with moist to wet soil, can withstand short-term flooding
Heliopsis helianthoides	False Sunflower	perennial	Seasonal Theme Plant	Nectar plant, attracts birds, bees, butterflies	no	low	many faunal associations, can seed, I look for shorter non-floppy varieties or plant where companions help support. Vigorous/competitive, very useful meadow component.
Liatris spicata	Dense Blazing Star	perennial	Seasonal Theme Plant	Nectar plant, native bees, birds, rare moths, hummingbirds	no	moderate	3-5', can tolerate wet or dry soil, vertical spike shaped flower. Blooms in July. I like to pair this with Purple Conflower.
Monarda bradburiana	Eastern Beebalm	perennial	Seasonal Theme Plant	Nectar plant, attractive to butterflies, bees and hummingbirds	no	high	1-2', clumping habit with short rhizomes, earlier bloom than other Monarda. Good mildew resistance, full sun-part shade, can seed in and naturalize. Attractive red fall color.
Physostagia virginiana 'Miss Manners'	Miss Manners' Obedient Plant	perennial	Seasonal Theme Plant	Nectar plant, attracts Bumble Bees, Hummingbirds, Butterflies	no	high	18-24", clumping cultivar with white flowers in late summer, prefers moist to average soil and tolerates poor drainage. Straight species can spread aggressively to help fill a wet site.

Pycnanthemum tenuifolium	Narrow leaf Mnt. Mint	perennial	Seasonal Theme Plant	Nectar plant, attracts butterflies and bees including native Sweat Bees	no	high	2-4', reliable from seed. Dry to moist. Very important meadow species for us. Not as much a thug as some other Mountain Mints, but they all have their place and are extremely useful for their pollinator value, deer resistance, and adaptability.
Rudbeckia fulgida	Black eyed Susan	perennial	Seasonal Theme Plant	Larval host plant, nectar plant, native bees, birds	yes	moderate	2-2.5', blooms Aug-Oct, adaptable to most soil except for wet, drought tolerant, full sun, resilient perennial that expands by rhizomes to form small colony, can also self-seed.
Solidago caesia	Blue-stem Goldenrod	perennial	Seasonal Theme Plant	Larval host plant, nectar plant, native bees, birds	no	moderate	2-3', shade to partial shade, clumping, arching flower stalks, flowers emerge from leaf axil. Tolerates moist to dry soil. Clump forming, a must for late season flowers in the shade. Try with ferns or sedges for increased deer resistance.

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Solidago flexicaulis	Zigzag Goldenrod	perennial	Seasonal Theme Plant	Larval host plant, nectar plant, native bees, birds	yes	high	1-3', shade to sun, moist to dry soil. Spreads by rhizomes to make colony, but not a thug like Canada Goldenrod.
Solidago nemoralis	Grey Goldenrod	perennial	Seasonal Theme Plant	Larval host plant, nectar plant, attracts birds, bees	no	high	1.5-2', blooms summer-late summer. Tolerates dry rocky soil. Spreads by rhizomes and can seed. Tolerates light shade not heavy shade. Pair with Narrowleaf Mt Mint, Butterfly Weed, Little Bluestem, Side Oats Gramma, Aromatic Aster
Solidago odora	Anise Scented Goldenrod	perennial	Seasonal Theme Plant	Larval host plant, nectar plant, pollen and nectar for native bees	no	high	2-4', will slowly creep and can self seed, great in a meadow, can be deadheaded to prevent reseeding.
Solidago speciosa	Showy Goldenrod	perennial	Seasonal Theme Plant	Larval host plant, nectar plant, pollen and nectar for native bees	no	high	3-5', clumping, spreads by rhizomes (but not considered invasive) and seed. More compact inflorescence forming a showy upright conical shape. Tolerates dry rocky soil and clay.
Vernonia lettermannii 'Iron Butterfly'	Iron Butterfly' Ironweed	perennial	Seasonal Theme Plant	Nectar plant	no	moderate	30-36", upright form with very fine-textured foliage (similar to A. hubrichtii), purplish blooms in late summer, very interesting texture, rigid stems provide attractive winter interest
Andropogon virginicus	Broomsedge	sedge/grass/rush	Seasonal Theme Plant	Larval host, attracts birds and butterflies	no	moderate	3', upright form, bronze color, winter interest, staple of any meadow planting in poor dry soil
Bouteloua curtipendula	Sideoats Grama	sedge/grass/rush	Seasonal Theme Plant	Larval host plant, birds, other wildlife value	no	high	2-3', can tolerate drought, oat-like seeds on one side of stem. Sprouts reliably from seed for us in meadows.
Sporobolus heterolepis	Prairie Dropseed	sedge/grass/rush	Seasonal Theme Plant	Nesting materials/structure for native bees	no	high	1-2', fine textured grass, interesting fragrance to flowers, bronze tan color in fall, great for dry sun. Endemic to specific habitats in the east, but adaptable for practical use.
Vaccinium angustifolium	Lowbush Blueberry	shrub	Seasonal Theme Plant	Larval host plant, nectar plant,	no	low	1-3', acidic, well-drained soil, sun to shade, beautiful fall color

				other wildlife value			
Agastache x 'Blue Fortune'	Blue Fortune' Anise Hyssop	perennial	Structural	Nectar plant	no	high	Hybrid of native / Korean, 3', very long-blooming, many flowers on each plant. Requires well draining soil/perfect winter drainage. Use A. foeniculum for native plant gardens/meadows.
Baptisia australis	Blue False Indigo	perennial	Structural	Larval host plant, attracts native bees, Bumble Bees	no	moderate	3-4', blue flowers in spring, long-lived perennial with bushy habit. Moist to dry soil. Lupine-like flowers in spring. For very dry soil, use B. bracteata or B. tinctoria. We plant live plants to speed up establishment.
Eupatorium purpureum	Joe Pye Weed	perennial	Structural	Nectar plant, attracts butterflies and bees	no	moderate	5-7', tall upright, summer-blooming with large pink umbel-shaped flowers, best in moist soil but tolerates dryer sites, sun to part sun. Shorter cv's of E. dubium available like 'Baby Joe' and 'Little Joe' for smaller gardens but not as drought tolerant.
Helianthus angustifolia	Perennial Sunflower	perennial	Structural	Larval host plant, nectar plant	no	low	5-6', moist soil, vigorous/highly competitive- tall, spreads to form colony. Plant with other "thugs" like Indian Grass, Big Bluestem, Joe Pye Weed, Tall Ironweed, Monarda, etc.
Iris versicolor	Blue Flag Iris	perennial	Structural	Nectar plant	no	high	2-3', moist to wet soils, blooms in May/June, striking upright foliage accent.
Monarda didyma 'Jacob Cline'	Jacob Cline' Beebalm	perennial	Structural	Nectar plant, attracts Bumble Bees, Hummingbirds	yes	high	4-5', Red flowers in early summer, good mildew resistance, grow in moist soil however drought-tolerant once established, can be very vigorous so provide space. We install live plants b/c no seed available.
Monarda fistulosa 'Claire Grace'	Claire Grace' Beebalm	perennial	Structural	Nectar plant, attracts butterflies, bees, hummingbirds	no	low	3-4', lavender flowers in summer, tolerates dry soil, full sun, excellent mildew-resistant cultivar (not mildew proof). Straight species a vigorous meadow species.

Botanic Name	Common Name	Type	Function	Ecological Value (not comprehensive)	<u>Semi/Ever green</u> <u>Basal Foliage</u>	<u>Deer Resistance</u>	Additional Comments
Pycnanthemum muticum	Short-toothed Mountain Mint	perennial	Structural	Nectar plant, attracts native bees, Bumble Bees, Honey Bees	yes	high	2-3', vigorous plant that requires space for the rhizomes to grow (give it its own corner), silvery aromatic leaves add to the appeal of this pollinator favorite. Competitive and adaptable, a magnet for pollinators! Also try P. incanum
Rudbeckia maxima	Giant Coneflower	perennial	Structural	Nectar source, attracts birds, cover for wildlife	no	high	spreads by rhizome to form colony, very tall flowering stem creates "see-through" effect.
Solidago rigida	Stiff Goldenrod	perennial	Structural	Butterfly host plant, nectar plant, attracts birds and bees	yes	moderate	Flat topped flower clusters in Aug/Sept. Moist to average to occasionally dry soil. Can get powdery mildew some years.

Solidago rugosa 'Fireworks'	Fireworks' Goldenrod	perennial	Structural	Butterfly host plant, nectar plant, attracts birds and bees	yes	high	30-36", upright flower stems arise from evergreen basal foliage in late summer. Grows in wet to dry soil in full sun.
Vernonia noveboracensis	New York Ironweed	perennial	Structural	Butterfly host plant, nectar plant, attracts birds, bees	no	low	5-8', tall narrow perennial for moist to dry sites. Purplish blooms in late summer.
Veronicastrum virginicum	Virginia Culver's Root	perennial	Structural	Nectare plant, attracts native bees, Honey Bees	no	low	4-6', sturdy upright form good for back of border, white candelabra-like flowers in early to mid-summer. Tolerates moist soil as well as drought. Good winter interest. A must try!
Andropogon gerardii	Big Bluestem	sedge/grass/rush	Structural	Larval host plant, other wildlife value	no	high	5-8', can flop over in rich soils, fall color and winter interest. Tolerates almost all soil- wet or dry. Rich red fall color. Competitive.
Panicum virgatum	Switchgrass	sedge/grass/rush	Structural	Larval host plant, attracts birds, other wildlife value	no	high	3-6', flower panicles in summer, attractive tan and coppery colors in fall, dry, moist or wet soil. Deep root system, very competitive in a meadow and may dominate. Many cv's avail.
Schizachyrium scoparium	Little Bluestem	sedge/grass/rush	Structural	Larval host plant, attracts birds, bees, other wildlife value	no	high	3-4', best in dry poor infertile soils to limit height/flopping, rich copper-colored in fall. Very adaptable to various soils, tolerating dry to moist, clay. Nice fall color.
Aesculus parviflora	Bottlebrush Buckeye	shrub	Structural	Attracts hummingbirds and Swallowtail butterflies	no	high	8-10' tall x8-15 wide. Full shade to part-shade. Blooms July-August. Prefers moist organic rich soil, tolerates occasionally dry soil. Avoid very dry site. Large 8-12' inflorescences. Wow!
Aronia arbutifolia	Chokeberry	shrub	Structural	Nectar plant, berries eaten by songbirds	no	low	6-8', acidic moist soil but adaptable, sun to part shade, flowers in April/May, red fall color and berries. Can be leggy, so plan for underplanting.
Aronia melanocarpa	Black Chokeberry	shrub	Structural	Nectar plant, berries eaten by songbirds	no	low	4-6', moist soil but very adaptable, sun to part shade, red fall color and black berries. More compact cv's available (e.g 'Viking', also has larger fruits).
Calycanthus floridus	Sweetshrub	shrub	Structural	Attractive to beetles and some pollinators	no	high	6-10', average/medium soils, adaptable, tolerates wet soil, clay, sun to shade (taller in shade). Long sporadic bloom time. Can withstand brief dry periods but avoid extremely dry sites.
Cephalanthus occidentalis	Buttonbush	shrub	Structural	Attractive to pollinators,	no	moderate	8-10', moist to wet soils (can grow in up to 3' of water), not drought tolerant but soil adaptable otherwise. Sun to part shade. Very interesting globe-shaped flowers.
Clethra alnifolia	Summersweet	shrub	Structural	Nectar plant, attracts birds, bees, hummingbirds	no	moderate	6-12', best in moist acid soil but has been very adaptable for us, blooms in summer, attracts many pollinators. Deer occasionally decimate plants depending upon browsing pressure.
Fothergilla major	Witch-alder	shrub	Structural	Nectar plant, attracts bees	no	moderate	6-10', best in moist but well drained acidic soil. Early bottlebrush shaped flowers before leafout. Superb fall color. Rabbits can eat twigs/bark in winter.

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Hydrangea quercifolia	Oakleaf Hydrangea	shrub	Structural	Attracts later emerging wasps, flower flies, and bees	no	low	6-8', best in moist well drained organic rich soil but adaptable and fairly drought tolerant. Superb fall color. Blooms on old wood.
Ilex glabra	Inkberry Holly	shrub	Structural	Attracts bees and birds	yes	high	6-8' suckering shrub (cv's clumping). Wet or average acidic soil. Avoid alkaline soil pH. Dioecious (requires male and female plants for fruits)
Ilex verticillata	Winterberry	shrub	Structural	Butterfly host plant, attracts birds, other wildlife value	no	moderate	6-12', acidic soil, wet to average moisture but surprisingly adaptable, sun to shade, tolerates flooding, requires male pollinator. Deer can decimate, so we interplant with fragrant plants like VA Mountain Mint.
Itea virginica	Virginia Sweetspire	shrub	Structural	Butterfly host plant, nectar source, attracts birds, cover for wildlife	no	moderate	3-6', tolerates wet and clay soil, soil adaptable, best in part shade (flowers best with full sun part of the day). Burgundy fall color holds into early winter
Lindera benzoin	Spicebush	shrub	Structural	Butterfly host plant, nectar plant, attracts birds	no	high	6-12', moist to dry soil, tolerates clay soil, sun to shade, attractive yellow flowers in early spring, host to Spicebush Swallowtail. Dioecious
Myrica pennsylvanica	Northern Bayberry	shrub	Structural	Butterfly Host Plant, Nectar source, other wildlife value	yes	high	6-12', tolerates clay, various soil pH, sand, loam, moist to dry, sun to part-sun, prefers acidic conditions but adaptable to garden conditions. Underused plant!
Physocarpus opulifolius	Ninebark	shrub	Structural	Butterfly host plant, nectar source, attracts birds and bees	no	moderate	5-10', fountain-shaped shrub, tolerates wet or dry soil, sun to shade. Very adaptable plant. Interesting red calyx on straight species.
Vaccinium corymbosum	Highbush Blueberry	shrub	Structural	Larval host plant, nectar plant, attracts birds, bees, other wildlife value	no	low	6-10', acidic moist soil, tolerates clay and occasionally dry soil, sun to shade, striking red fall color, very attractive to birds
Viburnum nudum	Witherod Viburnum	shrub	Structural	Larval host plant, nectar plant, berries eaten by songbirds	no	high	5-10', moist to well-drained acidic soil, part-full sun. Tolerates clay, wet soil, compacted soil, very adaptable. Not good in too alkaline soils. Great fall color and suitable replacement for Burning Bush. I love the compact cv V.n. 'Winterthur'
Acer rubrum	Red Maple	tree	Structural	Butterfly host plant, attracts birds, other wildlife value	no	low	50-80', best on moist acidic or circumneutral soil, fairly drought tolerant but not for particularly dry sites. Tolerates wet inundated soil. Adaptable. Sun to part shade.
Aesculus pavia	Red Buckeye	tree	Structural	Hummingbirds, butterflies, bees, and pollinators feed on nectar from flowers in the early spring. The seeds are eaten by squirrels.	no	high	15-25' tree or large shrub. Prefers moist well drained soil but is adaptable to various soils including clay and occasionally wet soil. Best in part sun, but tolerates full sun provided the site isn't too dry/hot/sunny. Shade tolerant. 6-8"

							inflorescences in spring. Underused awesome small tree!
Amelanchier canadensis	Serviceberry	tree	Structural	Butterfly host plant, attracts birds, other wildlife value	no	moderate	15-20', best in moist acidic soil but adaptable, sun to shade, white flower for 1 week in spring. Fruits in summer. Hosts Red Spotted Purple and Viceroy butterflies. Attractive fall color when happy. For neutral-alkaline, try A. laevis.
Asimina triloba	Pawpaw	tree	Structural	Butterfly host plant, attracts birds, other wildlife value	no	high	15-40', moist to medium soil, sun to shade, large leaves with yellow fall color, forms colony, hosts Zebra Swallowtail butterfly
Betula nigra	River Birch	tree	Structural	Butterfly host plant, attracts birds, other wildlife value	no	high	30-50', most trouble-free Birch b/c resistance to borer, requires moist to average soil, tolerates flooding, not drought tolerant, best in part shade to avoid drought stress.

Botanic Name	Common Name	Type	Function	Ecological Value (not comprehensive)	<u>Semi/Ever green</u> Basal Foliage	<u>Deer</u> Resistance	Additional Comments
Carpinus caroliniana	American Hornbeam	tree	Structural	Butterfly host plant, attracts birds, other wildlife value	no	moderate	20-35', found in moist soil but adaptable to drier sites, shade to part shade, larval host to: Eastern Tiger Swallowtail, Striped Hairstreak, Red-spotted Purple, Tiger Swallowtail
Cornus racemosa	Gray Dogwood	tree	Structural	Butterfly host plant, nectar source, attracts birds, cover for wildlife	no	low	15-20', wet to dry soil, sun to shade, wide suckering shrub, useful to many birds
Cornus florida	Flowering Dogwood	tree	Structural	Butterfly host plant, attracts birds, other wildlife value	no	low	20-40', best in acidic well-draining soil but tolerates circumneutral pH, prefers part-shade to shade, host to Spring Azure butterfly. Very ornamental with flowers, berries, and fall color. Beautiful form and horizontal branching habit. Requires upland site but surprisingly adaptable.
Crataegus phaenopyrum	Washington Hawthorn	tree	Structural	Favored food and nesting for birds, nectar source	no	high	25-30', berries in winter, large thorns up to 2" long, one of the most trouble-free Hawthorns. C. viridus 'Winter King' has much less thorns and large bright red berries, a favorite!
Magnolia virginiana	Sweetbay Magnolia	tree	Structural	Butterfly host plant, attracts birds, other wildlife value	yes	moderate	15-20', multi-stemmed small upright tree with semi-evergreen leaves, fragrant flowers sporadically during summer. Wet soil and clay tolerant, chlorotic in alkaline soil. Alternate host for Spicebush Swallowtail butterfly
Nyssa sylvatica	Black Tupelo	tree	Structural	Larval host plant, attracts birds, bees, other wildlife value	no	moderate	50'+, slow growing (some cv's like 'Wildfire' grow faster), tolerant of periodic flooding and poor drainage/clay and drought, soil pH adaptable, small berry, great red fall color (early). Full sun to part shade. Tap rooted (transplant at young age). Awesome tree!

Quercus alba	White Oak	tree	Structural	Butterfly host plant, attracts birds, other wildlife value	no	low	can grow to 80'x80'+, best in acidic or circumneutral soil, moist to dry well drained, Sun to part shade, sensitive to root zone disturbance. Good resistance to Bacterial Leaf Scorch disease. A powerhouse host plant!
Salix discolor	Pussy Willow	tree/shrub	Structural	Butterfly host plant, early nectar source, attracts birds	no	moderate	wet soil but can tolerate some upland conditions, Sun to part shade, Host to many lepidoptera including Viceroy and Mourning Cloak butterflies, etc. value to specialist bees. Dioecious.
Salix nigra	Black Willow	tree	Structural	Larval host plant	no	low	50'+, moist to wet soil, clay tolerant, short-lived, but important tree for wildlife
Sassafras albidum	Sassafras	tree	Structural	Butterfly host plant, attracts birds, other wildlife value	no	moderate	30'+, relatively fast growing, host to Spicebush Swallowtail, beautiful fall color, sun to shade, acid soils, did you see the yellow spring blooms?
Viburnum lentago	Nannyberry Viburnum	tree	Structural	Larval host plant, nectar plant, berries eaten by songbirds	no	high	10-15', moist do dry, shade to sun, rich burgundy fall color, will sucker and form colony over time. If more hot/dry, plant in more shade. Edible fruits in fall. Underused shrub/small tree.
Viburnum prunifolium	Blackhaw Viburnum	tree	Structural	Larval host plant, nectar plant, berries eaten by songbirds	no	high	15-18', upright growth, burgundy fall color and high wildlife value. Medium to dry soil, drought tolerant, clay tolerant. Full sun to part shade. Underused small tree.
Lonicera sempervirens	Honeysuckle	vine	Structural	Larval host plant, nectar plant, attracts birds, bees, hummingbirds, other wildlife value	yes	moderate	up to 20', long blooming, sun to part shade, tolerant of various soils, flowers best with more sun. Easier to manage than some other vines. Host to Snowberry Clearwing Moth.

Resources:

<http://www.wildflower.org/>
<http://www.holdenarb.org/home/>
<http://www.gloucesterva.info/ButterfliesBees/NativePlantsButterflyHost.pdf>
<http://www.wildtypeplants.com/butterfly.pdf>
<http://www.northcreeknurseries.com/>
<http://www.missouribotanicalgarden.org/>
<https://njaes.rutgers.edu/deerresistance/>
<http://www.newmoonnursery.com/>
<http://www.prairienursery.com/>
[Find a Plant | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

The anecdotal garden/work experience of the author, James Dillon, PCH