

Jasper County Native Plants and the Pollinators they Support

Wildflowers

Butterfly Milkweed, *Asclepias tuberosa*

Monarch Butterfly, *Danaus plexippus*: host and nectar

Queen Butterfly, host and nectar

Gray Hairstreak Butterfly, host and nectar

Pipevine Swallowtail, nectar

Zebra Swallowtail, nectar

Palamedes Swallowtail, nectar

Eastern Tiger Swallowtail, nectar

Black Swallowtail, nectar

Spicebush Swallowtail, nectar

Eastern Giant Swallowtail, nectar

Painted Lady Butterfly, nectar

Native Solitary Bees, nectar and pollen

American Bumblebee, nectar and pollen

Dark Flower Scarab, pollen and nectar

Bloom Time: May-September

Bloom Color: Orange

Duration: Perennial

Water Use: Low

Light Requirement: Sun

Soil Moisture: Dry, Moist

Drought Tolerance: High

Soil Description: Prefers well-drained sandy soils. Tolerates drought.

Availability: Monarch Watch has flats of 32 plugs for \$181 shipped only in April but preorder.

Green Antelopehorns Milkweed, *Asclepias viridis*

Monarch Butterfly, *Danaus plexippus*: host and nectar

Dark Flower Scarab, pollen and nectar

Silvery Checkerspot, host and nectar

Gorgone Checkerspot, host and nectar

Monarch Butterfly, *Danaus plexippus*: nectar

Painted Lady, nectar

American Lady, nectar

Pipevine Swallowtail, nectar

Zebra Swallowtail, nectar

Palamedes Swallowtail, nectar

Eastern Tiger Swallowtail, nectar

Black Swallowtail, nectar

Spicebush Swallowtail, nectar

Eastern Giant Swallowtail, nectar

American Bumblebee, nectar and pollen
Native Solitary Bees, nectar and pollen
Bloom Time: April-September
Bloom Color: White
Duration: Perennial
Water Use: Low
Light Requirement: Sun

Redring Milkweed, *Asclepias variegata*

Monarch Butterfly, *Danaus plexippus*: host and nectar
Silvery Checkerspot, host and nectar
Gorgone Checkerspot, host and nectar
Monarch Butterfly, *Danaus plexippus*: nectar
Painted Lady, nectar
American Lady, nectar
Pipevine Swallowtail, nectar
Zebra Swallowtail, nectar
Palamedes Swallowtail, nectar
Eastern Tiger Swallowtail, nectar
Black Swallowtail, nectar
Spicebush Swallowtail, nectar
Eastern Giant Swallowtail, nectar
American Bumblebee, nectar and pollen
Native Solitary Bees, nectar and pollen
Dark Flower Scarab, pollen and nectar
Bloom Time: May-July
Bloom Color: White with Red Rings
Duration: Perennial
Water Use: Low
Light Requirement: Sun, Part Shade
Soil Moisture: Dry
Soil Description: Sandy to rocky.

Clasping milkweed, *Asclepias amplexicaulis*

Monarch Butterfly, *Danaus plexippus*: host and nectar
Silvery Checkerspot, host and nectar
Gorgone Checkerspot, host and nectar
Monarch Butterfly, *Danaus plexippus*: nectar
Painted Lady, nectar
American Lady, nectar
Pipevine Swallowtail, nectar
Zebra Swallowtail, nectar
Palamedes Swallowtail, nectar
Eastern Tiger Swallowtail, nectar
Black Swallowtail, nectar
Spicebush Swallowtail, nectar

Eastern Giant Swallowtail, nectar
American Bumblebee, nectar and pollen
Native Solitary Bees, nectar and pollen
Dark Flower Scarab, nectar and pollen
Bloom Time: May-August
Bloom Color: Pinkish Tan to Greenish Purple
Duration: Perennial
Water Use: Low
Light Requirement: Sun, Part Shade
Soil Moisture: Dry
Soil Description: Sandy to rocky.

Turk's Cap, *Malvaviscus arboreus*

Turk's-cap White-Skipper, host and nectar
Hummingbirds, Nectar
Bloom Time: May-November
Bloom Color: Red
Duration: Perennial
Water Use: Medium
Light Requirement: Part Shade, Shade
Soil Moisture: Dry to Moist
Soil Description: Sandy, loamy, clay, and limestone soils. Moist, well-drained, woodland soils best.
Conditions Comments: Drought tolerant. Prefers partially shady sites. Under cultivation, Turk's Cap will adapt to and thrive in many different sites, including full sun and heavy soil, though unremitting sun will cause its leaves to become rougher, smaller, darker, and puckered.

Musky Mint, *Hyptis alata*

Monarch Butterfly, *Danaus plexippus*: nectar
American Bumblebee, nectar and pollen
Bloom Time: May-November
Bloom Color: White
Duration: Perennial
Water Use: Medium , High
Light Requirement: Sun , Part Shade
Soil Moisture: Moist , Wet
Soil pH: Acidic (pH<6.8) , Circumneutral (pH 6.8-7.2)
Cold Tolerant: yes
Heat Tolerant: yes
Conditions Comments: This **shrub** mint usually grows in acidic, sandy soils

Indian Blanket, *Gaillardia pulchella*

Monarch Butterfly, *Danaus plexippus*: nectar
Duskywings, nectar
Little Yellow, nectar

Fiery Skipper, nectar
Pearl Crescent, nectar
American Bumblebee, nectar and pollen
Native Solitary Bees, nectar and pollen
Bloom Time: May-August
Bloom Color: Red and Yellow
Duration: Annual
Water Use: Medium
Light Requirement: Sun , Part Shade
Soil Moisture: Dry
Soil pH: Circumneutral (pH 6.8-7.2)
Soil Description: Sandy or calcareous soils, often disturbed places, mostly in grasslands or open places.
Conditions Comments: Indian blanket is a major wildflower of the prairies and meadows. It reseeds readily and is easy to grow; good drainage is the only requirement. Rich soils will produce large, floppy plants with few flowers. Indian blanket is very easy to grow and is commonly used in roadside & meadow plantings.

Narrowleaf Sunflower, *Helianthus angustifolius*

Silvery Checkerspot, host and nectar
Gorgone Checkerspot, host and nectar
Monarch Butterfly, *Danaus plexippus*: nectar
Painted Lady, nectar
American Lady, nectar
Pipevine Swallowtail, nectar
Zebra Swallowtail, nectar
Palamedes Swallowtail, nectar
Eastern Tiger Swallowtail, nectar
Black Swallowtail, nectar
Spicebush Swallowtail, nectar
Eastern Giant Swallowtail, nectar
Native Solitary Bees, nectar and pollen
Bloom Time: July-October
Bloom Color: Yellow
Duration: Perennial
Water Use: Medium
Light Requirement: Part Shade
Soil Moisture: Wet
CaCO₃ Tolerance: Medium
Soil Description: Sandy, Sandy Loam, Medium Loam, Clay Loam, Clay, Acid-based

Cucumberleaf Sunflower, *Helianthus debilis*

Silvery Checkerspot, host and nectar
Gorgone Checkerspot, host and nectar
Rustic Sphinx Moth, host and nectar
Monarch Butterfly, *Danaus plexippus*: nectar

Painted Lady, nectar
American Lady, nectar
Pipevine Swallowtail, nectar
Zebra Swallowtail, nectar
Palamedes Swallowtail, nectar
Eastern Tiger Swallowtail, nectar
Black Swallowtail, nectar
Spicebush Swallowtail, nectar
Eastern Giant Swallowtail, nectar
Native Solitary Bees, nectar and pollen
Bloom Time: April-November
Bloom Color: Yellow
Duration: Annual
Water Use: Medium
Light Requirement: Sun
Soil Description: Sandy soils.

Stiff-hair Sunflower, *Helianthus hirsutus*

Silvery Checkerspot, host and nectar
Gorgone Checkerspot, host and nectar
Rustic Sphinx Moth, host and nectar
Monarch Butterfly, *Danaus plexippus*: nectar
Painted Lady, nectar
American Lady, nectar
Pipevine Swallowtail, nectar
Zebra Swallowtail, nectar
Palamedes Swallowtail, nectar
Eastern Tiger Swallowtail, nectar
Black Swallowtail, nectar
Spicebush Swallowtail, nectar
Eastern Giant Swallowtail, nectar
Native Solitary Bees, nectar and pollen
Bloom Time: August-November
Bloom Color: Yellow
Duration: Perennial
Water Use: Medium
Light Requirement: Sun
Soil Description: Loam

Sweet Goldenrod, *Solidago odora*

Silvery Checkerspot, nectar
Gorgone Checkerspot, nectar
American Bumblebee, nectar and pollen
Native Solitary Bees, nectar and pollen
Bloom Time: July-October
Bloom Color: Yellow

Duration: Perennial
Light Requirement: Sun
Soil Moisture: Moist
Soil pH: Acidic (pH<6.8)
Soil Description: Average to poor, sandy soils.
Recommended: One of the last blooms of the season for bees

Golden Alexanders, *Zizia aurea*

Black Swallowtail, host and nectar
Native Solidary Bees, nectar and pollen
Native beetles, nectar and pollen
Bloom Time: April-August
Bloom Color: Yellow
Duration: Perennial
Light Requirement: Sun , Part Shade
Soil Moisture: Moist
Soil Description: Moist, sandy or sandy-clay soils.

Prairie Blazing Star, *Liatris pycnostachya*

Sharp Blazing Star, *Liatris acidota*

Bleeding Flower Moth, *Schinia sanguinea*, host and nectar
Monarch Butterfly, *Danaus plexippus*: nectar
Eastern Tiger Swallowtail, nectar
Eastern Giant Swallowtail, nectar
Pipevine Swallowtail, nectar
Spicebush Swallowtail, nectar
Palamedes Swallowtail, nectar
Long-tailed Skipper, nectar
Dorantes Longtail, nectar
Cloudless Sulphur, nectar
American Bumblebee, nectar and pollen
Native Solitary Bees, nectar and pollen
Bloom Time: July-September
Bloom Color: Purple
Duration: Perennial
Water Use: Medium
Light Requirement: Sun
Soil Moisture: Dry , Moist
Soil pH: Acidic (pH<6.8)
CaCO3 Tolerance: Low
Drought Tolerance: High
Heat Tolerant: yes
Soil Description: Moist, well-drained soils. Rocky, Sandy, Sandy Loam, preferably of poor quality.

Downy Lobelia, *Lobelia puberula*

Reverchon's Lobelia, *Lobelia reverchonii*

Pipevine Swallowtail, nectar

Long-tailed Skipper, nectar

Gulf Fritillary, nectar

Cloudless Sulphur, nectar

Bloom Time: August-November

Bloom Color: Blue

Duration: Perennial

Light Requirement: Sun to part shade

Soil Moisture: Moist

Soil Description: Well drained sandy or loamy, enjoys damp conditons

Wild Bergamont, *Monarda fistulosa*

Morning Glory Plum Moth, host and nectar

Monarch Butterfly, *Danaus plexippus*: nectar

Sphinx Moths, nectar

American Bumblebee, nectar and pollen

Sweat Bees, Pollen and nectar

Native Solitary Bees, nectar and pollen

Feather-Legged Scoliid Wasps, nectar

Blue-Winged Scoliid Wasps, nectar

Bloom Time: April-June

Bloom Color: Purple

Duration: Perennial

Water Use: Medium

Light Requirement: Sun , Part Shade

Soil Moisture: Dry , Moist

Soil pH: Alkaline (pH>7.2) , Acidic (pH<6.8) , Circumneutral (pH 6.8-7.2)

Soil Description: Thrives in a wide range of soils, from acid to lime to rich to poor to sand to clay. Less tolerant of flooding, but can take it in the winter.

Spotted Horsemint, *Monarda punctata*

Morning Glory Plum Moth, host and nectar

Monarch Butterfly, *Danaus plexippus*: nectar

Sphinx Moths, nectar

American Bumblebee, nectar

Sweat Bees, Pollen and nectar

Native Solitary Bees, nectar and pollen

Feather-Legged Scoliid Wasps, nectar

Blue-Winged Scoliid Wasps, nectar

Bloom Time: April-August

Bloom Color: White, Pink, Yellow, Green, Purple

Duration: Perennial

Water Use: Low

Light Requirement: Sun

Soil Moisture: Dry

Soil pH: Circumneutral (pH 6.8-7.2)

Soil Description: Dry, sandy soils

Conditions Comments: Spotted Horsemint can become aggressive. It is noticeably fragrant.

Black-eyed Susan, *Rudbeckia hirta*

Silvery Checkerspot, host and nectar

Gorgone Checkerspot, host and nectar

Wavy-lined Emerald Moth, host and nectar

Monarch Butterfly, *Danaus plexippus*: nectar

American Lady, nectar

Painted Lady, nectar

Native Solitary Bees, nectar and pollen

Bloom Time: June-October

Bloom Color: Yellow

Duration: Annual, Perennial, Biennial

Water Use: Medium

Light Requirement: Sun

Soil Moisture: Dry, Moist

Soil pH: Acidic (pH<6.8)

Soil Description: Moist to dry, well-drained soils.

Conditions Comments: May bloom longer with some afternoon shade. Black-eyed Susan can become aggressive if given too **perfect** an environment and not enough competition.

Calico Aster, *Symphotrichum lateriflorum*

Pearl Crescent, host and nectar

Silvery Checkerspot, host and nectar

Isabella Tiger moth, host and nectar

Monarch, nectar

American Bumblebee, nectar and pollen

Miner Bees, nectar and pollen

Sweat Bees, nectar and pollen

Feather-Legged Scoliid Wasps, nectar

Blue-Winged Scoliid Wasps, nectar

Bloom Time: August-October

Bloom Color: White, Purple

Duration: Perennial

Light Requirement: Sun

Texas Ironweed, *Vernonia texana*

Painted Lady, host and nectar

Monarch, nectar

Eastern Tiger Swallowtail, nectar

Eastern Giant Swallowtail, nectar

Pipevine Swallowtail, nectar

Spicebush Swallowtail, nectar

Palamedes Swallowtail, nectar

Native Solitary Bees, nectar and pollen

Bloom Time: June-September

Bloom Color: Purple

Duration: Perennial

Water Use: Dry to Average Moist

Light Requirement: Sun, tolerates some shade

Soil Moisture: Dry, Moist

Soil Description: Moist to dry, well-drained sandy soils.

Purple Coneflower, *Echinacea purpurea*

Wavy-lined Emerald Moth, host and nectar

Silvery Checkerspot Butterfly, host and nectar

Hummingbirds, Nectar

Monarch, nectar

Painted Lady, nectar

Eastern Tiger Swallowtail, nectar

Gulf Fritillary, nectar

Variegated Fritillary, nectar

American Lady, nectar

Native Solitary Bees, nectar and pollen

Bloom time: April-September

Bloom Color: Pink to Purple

Duration: Perennial

Light Requirement: Sun to partial shade

Soil Moisture: Well-drained sandy or richer

Sanguine Purple Coneflower, *Echinacea sanguinea*

Wavy-lined Emerald Moth, host and nectar

Silvery Checkerspot Butterfly, host and nectar

Monarch, nectar

Painted Lady, nectar

Eastern Tiger Swallowtail, nectar

Gulf Fritillary, nectar

Variegated Fritillary, nectar

American Lady, nectar

Native Solitary Bees, nectar and pollen

Bloom time: April-June

Bloom Color: Pink

Duration: Perennial
Light Requirement: Sun to partial shade
Soil Moisture: Moist well-drained acidic, sandy

Coral Bean, *Erythrina herbacea*

Hummingbirds, nectar
American Bumblebee, nectar and pollen
Bloom Time: March-November
Bloom Color: Red
Duration: Perennial
Water Use: Medium
Light Requirement: Sun, Part Shade
Soil Moisture: Dry
Soil Description: Sandy soils. Sandy, Sandy Loam, Medium Loam, Clay Loam, Clay, Acid-based, Calcareous
Conditions Comments: Trim dead stem tips after new growth emerges in spring when frost damage becomes evident. Be careful of spines on the stems. The top often freezes back in winter but return with vigor in the spring from underground, tuberous root stumps. The seed pods split open to reveal bright red seeds, providing visual interest long after flowering. The seeds are highly toxic if ingested.

Woodland Poppymallow, *Callirhoe papaver*

Winecup Mallow, *Callirhoe involucrata*

Painted Lady, host and nectar
Gray Hairstreak Butterfly, host and nectar
Checkered Skipper, host and nectar
Pipevine Swallowtail, nectar
Native Solitary Bees, nectar and pollen
Duration: Perennial
Bloom Time: March-June
Bloom Color: Pink, Purple
Water Use: Medium
Light Requirement: Sun , Part Shade
Soil Moisture: Dry , Moist
Soil Description: Well-drained, rocky or sandy soils. Clay, Clay Loam, Medium Loam, Sandy Loam, Sandy, Gravelly, Calcareous, Acid-based.

Finger False Dragonhead, *Physostegia digitalis*

Hummingbirds, nectar
Monarch, nectar
Painted Lady, nectar
Spicebush Swallowtail, nectar
Pipevine Swallowtail, nectar
Black Swallowtail, nectar
Eastern Tiger Swallowtail, nectar
Palamedes Swallowtail, nectar

Zebra Swallowtail, nectar
Eastern Giant Swallowtail, nectar
Long-tailed Skipper, nectar
Fiery Skipper, nectar
Silver-spotted Skipper, nectar
Tropical Checkered Skipper, nectar
Horace's Duskywings, nectar
Gulf Fritillary, nectar
Variegated Fritillary, nectar
American Bumblebee, nectar and pollen
Native Solitary Bees, nectar and pollen
Duration: Perennial
Bloom Time: May-August
Bloom Color: Pink, Purple
Light Requirement: Full Sun to Part Shade
Soil Description: Sandy, moist soils.

Blue Mistflower, *Conoclinium coelestinum*

Clymene Moth, host and nectar
Three-lined Flower Moth, host and nectar
Monarch, nectar
Spicebush Swallowtail, nectar
Pipevine Swallowtail, nectar
Black Swallowtail, nectar
Eastern Tiger Swallowtail, nectar
Palamedes Swallowtail, nectar
Zebra Swallowtail, nectar
Long-tailed Skipper, nectar
Phaon Crescent, nectar
Gulf Fritillary, nectar
Native Solitary Bees, nectar and pollen
Duration: Perennial
Bloom Time: July-November
Bloom Color: Blue, Purple
Water Use: Medium
Light Requirement: Sun, Part Shade
Soil Moisture: Moist
Soil Description: Moist loam, sand, or clay.

Eastern Bluestar, *Amsonia tabernaemontana*

Hummingbirds, nectar
Snowberry Clearwing, Host and nectar
Tersa Sphinx, nectar
Walnut Sphinx, nectar
Virginia Creeper Sphinx, nectar
Pawpaw Sphinx, nectar

Blinded Sphinx, nectar
Banded Sphinx, nectar
Pandorus Sphinx, nectar
Rustic Sphinx, nectar
Carolina Sphinx, nectar
Carpenter Bees, pollen and nectar
Duration: Perennial
Bloom Time: March-May
Bloom Color: Blue, Purple
Light Requirement: Part Shade
Soil Moisture: Wet
Soil Description: Wet to moist, sandy soils.
Conditions Comments: This species should be cut back after flowering.

Yarrow, *Achillea millefolium*

Painted Lady, host and nectar
Solitary Native Bees, nectar and pollen
Duration: Perennial (evergreen foliage in our area)
Bloom Time: April-June
Bloom Color: White
Water Use: Medium
Light Requirement: Sun , Part Shade
Soil Moisture: Dry
CaCO₃ Tolerance: Medium
Drought Tolerance: High

Shrubs

Pineland Hibiscus, *Hibiscus aculeatus*

Gray Hairstreak Butterfly, host and nectar
Painted Lady Butterfly, host and nectar
Common Checkered Skipper, host and nectar
Tropical Checkered Skipper, host and nectar
Pearly Wood-Nymph Moth, host and nectar
Io Moth, host and nectar
Eastern Tiger Swallowtail, nectar
American Bumblebee, nectar and pollen
Native Solitary Bees, nectar and pollen
Native Beetles, nectar and pollen
Duration: Perennial
Bloom Time: June-November
Bloom Color: Creamy yellowish white with deep, dark red center
Water Use: Medium
Light Requirement: Sun , Part Shade
Soil Moisture: Moist

Soil pH: Acidic (pH<6.8)
Cold Tolerant: yes
Heat Tolerant: yes
Soil Description: Sandy, Acid-based
Conditions Comments: Tolerates winter flooding

Swamp Rose Mallow, *Hibiscus moscheutos*

Hummingbirds, nectar
Gray Hairstreak Butterfly, host and nectar
Painted Lady Butterfly, host and nectar
Common Checkered Skipper, host and nectar
Tropical Checkered Skipper, host and nectar
Io Moth, host and nectar
Eastern Tiger Swallowtail, nectar
American Bumblebee, nectar and pollen
Native Solitary Bees, nectar and pollen
Native Beetles, nectar and pollen
Duration: Perennial
Bloom Time: June-August
Bloom Color: Solid pink or white with dark pink center
Water Use: High
Light Requirement: Sun , Part Shade
Soil Moisture: Moist , Wet
Soil pH: Acidic (pH<6.8)
Drought Tolerance: Low
Aquatic: yes
Soil Description: Moist to wet, slightly acidic soils.
Conditions Comments: Clumps of this hibiscus start to grow late in the season and flower over a long period in late summer.

Button Bush, *Cephalanthus occidentalis*

Monarch Butterfly, *Danaus plexippus*: nectar
Pipevine Swallowtail, nectar
Zebra Swallowtail, nectar
Palamedes Swallowtail, nectar
Eastern Tiger Swallowtail, nectar
Black Swallowtail, nectar
Spicebush Swallowtail, nectar
Eastern Giant Swallowtail, nectar
Gulf Fritillary, nectar
American Bumblebee, nectar and pollen
Duration: Perennial
Bloom Time: June-September
Bloom Color: White
Water Use: High
Light Requirement: Part Shade , Shade

Soil Moisture: Moist, Wet

Soil pH: Circumneutral (pH 6.8-7.2)

Cold Tolerant: yes

Soil Description: Limestone-based, Sandy, Sandy Loam, Medium Loam, Clay Loam, Clay

Conditions Comments: Common buttonbush is a spreading, multi-branched **shrub** or sometimes small **tree** with many branches (often crooked and leaning), irregular crown, balls of white flowers resembling pincushions, and buttonlike balls of fruit. Buttonbush is a handsome ornamental suited to wet soils and is also a honey plant. Ducks and other water birds and shorebirds consume the seeds.

Wild Azalea, *Rhododendron canescens*

Io Moth, host and nectar

Monarch Butterfly, *Danaus plexippus*: nectar

Pipevine Swallowtail, nectar

Zebra Swallowtail, nectar

Palamedes Swallowtail, nectar

Eastern Tiger Swallowtail, nectar

Black Swallowtail, nectar

Spicebush Swallowtail, nectar

Eastern Giant Swallowtail, nectar

Native Solitary Bees, nectar and pollen

Duration: Perennial

Bloom Time: March-May

Bloom Color: Pink

Water Use: Medium

Light Requirement: Part Shade

Soil Moisture: Moist but well drained.

Soil pH: Acidic (pH<6.8)

Soil Description: Acid-based, Sandy, Sandy Loam, Medium Loam

Conditions Comments: This is the most common **native** azalea in the Southeast. In optimum conditions, can form large colonies.

Hollow Joe-Pye Weed, *Eutrochium fistulosum*

Duration: Perennial

Bloom Time: July-September

Bloom Color: Pink, Purple

Water Use: Medium to High

Light Requirement: Sun to Part Shade

Soil Moisture: Moist

Soil pH: Acidic (pH<6.8)

Soil Description: Moist to wet soils.

Recommended: A Top Nectar Plant for Butterflies

Trees

Spicebush, *Lindera benzoin*

Spicebush Swallowtail, host and nectar

Palamedes Swallowtail, host and nectar

Native Solitary Bees, nectar and pollen

Native Beetles, nectar and pollen

Duration: Perennial

Bloom Time: April

Bloom Color: White to yellow

Water Use: Medium

Light Requirement: Sun, Part Shade , Shade

Soil Moisture: Moist, Wet

Soil Description: Moist, sandy, well-drained soils. Caliche type, Limestone-based, Sandy Loam, Medium Loam

Conditions Comments: Spicebush is a fast-growing small tree up to 15 ft., useful in moist, shady places. A small amount of sun yields a bush with better form and more berries. There are no serious disease or insect problems.

Red Buckeye, *Aesculus pavia*

Hummingbirds, nectar

Imperial Moth, host and nectar

Polyphemus moth, host and nectar

Eastern Tiger Swallowtail, nectar

Long-horned beetles, nectar and pollen

Duration: Perennial

Bloom Time: March-May

Bloom Color: Red

Water Use: Medium

Light Requirement: Part Shade

Soil Moisture: Moist

Soil pH: Acidic (pH<6.8) , Circumneutral (pH 6.8-7.2)

Drought Tolerance: Medium

Soil Description: Deep, well-drained sand, loam, clay.

Conditions Comments: Do not over-water. Too much water can lead to leaf spot diseases. Does best if protected from afternoon sun.

Carolina Buckthorn, *Frangula caroliniana*

Painted Lady, host and nectar

Gray Hairstreak, host and nectar

Spring Azure, host and nectar

American Snout, host and nectar

Native Solitary Bees, nectar and pollen

Duration: Perennial, but usually holds its leaves during winter in this area

Bloom Time: April-June

Bloom Color: White, Yellow, Green

Light Requirement: Part Shade

Soil Moisture: Moist

Soil Description: Moist, calcareous, rocky soils.

Conditions Comments: Carolina buckthorn is an understory plant that produces shiny leaves. It stands attractively alone or it works as a specimen. Flowers are tiny but attract many pollinators. Many bird species feed on the bright red fruit. By fall, the fruits turn black. In light shade, Carolina buckthorn is airy and tiered, somewhat like the flowering dogwoods. Three to four hours per day of sun are necessary. With more sun, the plant tends to get dense and shrubby losing some of its charm. Seedlings are produced in profusion.

Common Witch-hazel, *Hamamelis virginiana*

Spring Azure, host and nectar

Polyphemus moth, host and nectar

Mustard Sallow Moth, host and nectar

Figure-Seven Moth, host and nectar

Dagger Moths (20 species), host and nectar

Large-lace Border Moth, host and nectar

Definite Tussock Moth, host and nectar

Owlet Moths, nectar

Duration: Perennial

Bloom Time: September - December

Bloom Color: Orange, Yellow

Water Use: Medium

Light Requirement: Part Shade, Shade

Soil Moisture: Moist

Soil pH: Acidic (pH<6.8)

Soil Description: Rich, well-drained soil. Sandy, Sandy Loam, Medium Loam, Clay Loam, Clay, Acid-based, Calcareous

Conditions Comments: The long-lived witch hazel performs best on moister sites. It tolerates wet soils, pollution, shade, and poor soil. Avoid extremely dry situations. Full sun forms fuller, more symmetrical plants.

Recommended: Winter Blooms

White Fringe Tree, *Chionanthus virginicus*

Rustic Sphinx Moth, host and nectar

Laurel Sphinx Moth, host and nectar

Duration: Perennial

Bloom Time: April-June

Bloom Color: Creamy white

Water Use: High

Light Requirement: Part Shade

Soil Moisture: Moist

CaCO₃ Tolerance: None

Soil Description: Loose, moist, sandy soils.

Flowering Dogwood, *Cornus florida*

Roughleaf Dogwood, *Cornus drummondii*

Io Moth, host and nectar

Spring Azure, host and nectar

Solitary Native Bees, nectar and pollen

Duration: Perennial

Bloom Time: March-April

Bloom Color: White

Water Use: Low

Light Requirement: Part Shade , Shade

Soil Moisture: Moist

Soil pH: Acidic (pH<6.8)

Cold Tolerant: yes

Soil Description: Rich, well-drained, acid soil. Sandy, Sandy Loam, Medium Loam, Acid-based

Vines

Coral Honeysuckle, *Lonicera sempervirens*

Hummingbirds, nectar

Snowberry Clearwing Moth, host

Spring Azure Butterfly, host

Pipevine Swallowtail, nectar

Duration: Perennial but leaves are evergreen

Bloom Time: March-June

Bloom Color: Red

Water Use: Medium

Light Requirement: Sun, Part Shade

Soil Moisture: Moist

Cold Tolerant: yes

Soil Description: Various soils, but rich preferred. Sandy, Sandy Loam, Medium Loam, Clay Loam, Clay, Caliche type. Both lime and acidic OK.

Conditions Comments: Coral honeysuckle requires light, good air circulation, and adequate drainage to prevent powdery mildew. Some structural assistance may be necessary to help it begin climbing. Flowers best when given more sun. Tolerates poor drainage for short periods.

