

# John Hustis House and Museum EDUCATIONAL GARDEN

August 1, 2021



## Wild Lupine

**Botanical Name:** *Lupinus perennis*

**Requirements:** Full sun, partial sun in sandy, acidic, dry well-drained soils

**Size at Maturity:** Height: 2 feet – Spread: 10" to 18"

**Foliage Color:** Dark green, compound palmate leaves

**Flower Color:** Blue pea-like flowers on elongated stems

**Bloom Time:** Late spring to early/mid-summer (May to July)

**Key Feature(s):** Showy and fragrant; use to naturalize areas; serves as a valuable nectar and pollen sources for hummingbirds and native bees.

**Growth Rate:** Medium

**Cold Hardiness:** Zone: 3 - 6

**Water Needs:** Low

**Special Notes:** Deer and rabbits tend to avoid these plants. Seeds may be toxic to humans and animals if ingested in large quantities. Wild lupine is excellent for the perennial border, prairie reconstruction or any naturalized area as long as their soil is sandy. Taller plants may need staking or other support.



## Butterfly Weed

**Botanical Name:** *Asclepias tuberosa*

**Requirements:** Full sun

**Size at Maturity:** Height: 1 to 2 ½ feet – Spread: 1 to 1 ½ feet

**Foliage Color:** Glossy green, narrow lance-shaped leaves

**Flower Color:** Showy; yellow to orange

**Bloom Time:** June to August

**Key Feature(s):** Used to naturalize areas; attracts butterflies and hummingbirds.

**Growth Rate:** Easily grown from seed, but somewhat slow to establish and may take 2-3 years to produce flowers.

**Cold Hardiness:** Zone: 3 - 9

**Water Needs:** Dry to medium

**Special Notes:** Deer and drought tolerant. Butterfly weed does not transplant well due to its deep taproot. Flowers are a nectar source for many butterflies and leaves are a good source for monarch butterfly larvae (caterpillars).



# Peony

**Botanical Name:** *Paeonia lactiflora*

**Requirements:** Full sun to part shade in reach, fertile, medium moisture, well-drained soils

**Size at Maturity:** Height: 1 ½ to 2 ½ feet – Spread: 1 ½ to 2 ½ feet

**Foliage Color:** Dark green compound leaves 8-12 inches long have 9 elliptic leaflets with irregular margins

**Flower Color:** White, pink, crimson with yellow center stamens

**Bloom Time:** Mid-May to early June and last for 7-10 days

**Key Feature(s):** Showy cup or bowl-shaped flowers, 3-5", fragrant, good to cut for bouquets. Plants are long lived (up to 100 years) and can be left undisturbed for years.

**Growth Rate:** Peonies grow slowly at first but usually begin to bloom three years after first planted with increasingly more blooms each year.

**Cold Hardiness:** Zone: 3 – 8 (Best performance in zones 5-7)

**Water Needs:** Medium

**Special Notes:** Deer and rabbit tolerant. Plants need a cold winter dormant season. Peonies are considered to be relatively pest free. Botrytis blight and Phytophthora blight are sometimes problems. Species plants are rarely sold in commerce, but many cultivars and hybrids are available. The American Peony Society recognizes over 8,000 named cultivars.



# Hydrangea

**Botanical Name:** *Hydrangea arborescens*

**Requirements:** Part shade in average, medium moisture, well-drained soils

**Size at Maturity:** Height: 3 to 5 feet – Spread: 3 to 5 feet

**Foliage Color:** Opposite, broad egg shaped to rounded, sharply toothed, dark green leaves with pale green undersides

**Flower Color:** Showy, tiny white flowers in flattened hairy clusters (corymbs to 2-6" across)

**Bloom Time:** June to September

**Key Feature(s):** Low maintenance; naturalize in woodland or native plant gardens.

**Growth Rate:** Rapid growers; 25 inches or more per year until it reaches maturity.

**Cold Hardiness:** Zone: 3 - 9

**Water Needs:** Medium

**Special Notes:** Rabbit tolerant. Blooms occur on new wood so plants may be pruned back close to the ground in late winter to revitalize and encourage stem growth.



## Rose

**Botanical Name:** *Rosa*

**Requirements:** Minimum of six hours of sun a day in well-drained soil and loose loamy soil leaning more toward sandy soil

**Size at Maturity:** Height: 3 to 6 feet – Spread: 3 to 6 feet

**Foliage Color:** Dark green, 5-9 leaflets often having toothed margins

**Flower Color:** Showy, fragrant single, semi-double, double flowers in many colors

**Bloom Time:** May to frost

**Key Feature(s):** Rosa is a genus of about 150 species. Roses are edible and petals can be brewed for tea blends or tossed in salads.

**Growth Rate:** Most roses grow fair rapidly.  
Many modern-day roses only live 6-10 years.

**Cold Hardiness:** Zone: 5 - 9

**Water Needs:** Avoid overwatering; roses don't like wet feet

**Special Notes:** Rose bushes come in a variety of forms: old roses; modern hybrid roses; species or wild roses. Susceptible to disease including black spot, powdery mildew, rust and rose rosette. Plant is effective as a hedge, has thorns and requires minimal pruning.



## Goldsturm

**Botanical Name:** *Rudbeckia*

**Requirements:** Full sun in average, moist, well-drained soils

**Size at Maturity:** Height: 2 to 3 feet – Spread: 1 to 2 feet

**Foliage Color:** Oblong to lanceolate, dark green foliage

**Flower Color:** Showy 2.5" daisy-like yellow rays with black center disk

**Bloom Time:** June to September

**Key Feature(s):** Also known as Black-eyed Susan because of the flower's black center disk. Goldsturm is a slightly more compact plant with larger and brighter flowers. Good cut flower.

**Growth Rate:** Rapid growers. Plants slowly spread in garden by rhizomes.

**Cold Hardiness:** Zone: 3 - 9

**Water Needs:** Dry to medium with some tolerance for drought

**Special Notes:** Deer resistant once their leaves become coarse and hairy. Prolific bloom production over a long mid-summer to fall bloom period. Goldsturm was introduced in 1937. Common problem of this cultivar is angular leaf spot caused by bacterium.





## Whorled Milkweed

**Botanical Name:** *Asclepias verticillata*

**Requirements:** Full sun to part shade in average, dry to medium moisture, well-drained soils

**Size at Maturity:** Height: 1 to 2 ½ feet – Spread: 1 to 2 feet

**Foliage Color:** Long narrow, needle-like linear green leaves with revolute margins arranged in whorls of 3-6 nodes along the length of the stem

**Flower Color:** Showy, fragrant, small white flower clusters

**Bloom Time:** June to September

**Key Feature(s):** Flowers give way to smooth narrow seed pods which split open when ripe releasing numerous silky-tailed seed for dispersal by the wind. Seed pods are valued in dried flower arrangements.

**Growth Rate:** Rapid growers. Species is rhizomatous and will spread.

**Cold Hardiness:** Zone: 4 - 9

**Water Needs:** Dry to medium

**Special Notes:** Deer, rabbit and drought tolerant. Monarch butterflies need milkweed plants to survive. Monarchs lay their eggs on milkweed plants, caterpillars hatch from the eggs and consume the plant foliage as food for growth and development. The flower nectar is consumed as a valuable source of food by adult monarchs. No serious insect or disease problems.



## New Jersey Tea

**Botanical Name:** *Ceanothus americanus*

**Requirements:** Full sun to part shade in average, dry to medium, well-drained soils

**Size at Maturity:** Height: 3 to 4 feet – Spread: 3 to 5 feet

**Foliage Color:** Toothed, broad-ovate medium to dark green leaves to 4 inches long are gray and hairy

**Flower Color:** Showy, cylindrical clusters of tiny, fragrant white flowers

**Bloom Time:** May to June

**Key Feature(s):** Good cut flower, attracts hummingbirds and butterflies. Young twigs are noticeably yellow and stand out in winter.

**Growth Rate:** Moderate growth pace; reach mature height after two seasons.

**Cold Hardiness:** Zone: 4 - 8

**Water Needs:** Dry to medium

**Special Notes:** Tolerant to drought and Black Walnut. Established shrubs are difficult to transplant.



## Clematis

**Botanical Name:** *Clematis jackmanii*

**Requirements:** Full sun to part shade in fertile, medium moisture, well-drained soils

**Size at Maturity:** Height: 7 to 10 feet – Spread: 3 to 6 feet

**Foliage Color:** Simple to compound green leaves

**Flower Color:** Showy, 5-7", open, four-sepaled (occasionally 5-6) violet-purple

**Bloom Time:** July

**Key Feature(s):** Profuse bloomer. Good architectural height and framework for small gardens. Clematis is a genus of over 250 species.

**Growth Rate:** Rapid growth rate from a few feet per year to over 20' depending on the cultivar despite they are difficult to establish.

**Cold Hardiness:** Zone: 4 - 8

**Water Needs:** Medium

**Special Notes:** Deer and Black Walnut tolerant. Clematis vines need a trellis or other support on which to grow. Cultivated plants are often divided into three groups based on pruning needs: flowers on old wood; flowers on both old and new wood; and flowers only on new wood.



## Zinnia

**Botanical Name:** *Zinnia elegans*

**Requirements:** Full sun

**Size at Maturity:** Height: varies from 6 inches to 4 feet

Spread: varies from 6 inches to 1 ½ feet

**Foliage Color:** Pale to mid-green

**Flower Color:** Shades of orange, pink, purple, red, white and yellow as well as bi-color and tri-color varieties

**Bloom Time:** Late spring until first frost but may show a slow down at the peak of heat in summer

**Key Feature(s):** Variety of flower shapes with stars, daisies, dahlias, spiders, buttons, domes and quill-leaf cactus shapes. Excellent cut flower. Attracts hummingbirds and butterflies.

**Growth Rate:** Rapid and reliable growth.

**Cold Hardiness:** Zone: 2-11

**Water Needs:** Medium

**Special Notes:** Annual plant is low maintenance making it a good plant for first time gardeners. Safe to plant around animals because they are non-toxic to dogs, cats and horses.



## Petunia

**Botanical Name:** *Petunia (group)*

**Requirements:** Full sun to part shade

**Size at Maturity:** Height: 6 to 18" – Spread: 1 to 3 feet

**Foliage Color:** Bright green

**Flower Color:** Showy, funnel-shaped single to double flowers in virtually all colors except brown and black

**Bloom Time:** May to frost

**Key Feature(s):** Heat tolerant. Good for beds, borders, edging or ground cover.

**Growth Rate:** Fairly quick growers with flower buds in 6-8 weeks as transplants or 10-12 weeks from seed sowing.

**Cold Hardiness:** Zone: 5 - 11

**Water Needs:** Medium

**Special Notes:** Prolific bloomers. Like many annual plants, petunias get leggy by midsummer requiring pruning the shoots back to about half of their length. Remove faded, old or dead blossoms to both improve blooms and attractiveness. Have few serious insect or disease pests.



## False Indigo 'Sparkling Sapphire'

**Botanical Name:** *Baptisia spp.*

**Requirements:** Full sun to part shade in average, dry to medium, well-drained soil

**Size at Maturity:** Height: 2 to 3 feet – Spread: 2 to 3 feet

**Foliage Color:** Upright clumps of deep blue green foliage

**Flower Color:** Vivid violet blue flowers

**Bloom Time:** May to June

**Key Feature(s):** Attracts butterflies. Deadheading is not necessary.

**Growth Rate:** Easy to grow.

**Cold Hardiness:** Zone: 4a – 9b

**Water Needs:** Dry to medium

**Special Notes:** Deer resistant.





## Purple Coneflower

**Botanical Name:** *Echinacea purpurea*

- Requirements:** Full sun to part shade in average, dry to medium, well-drained soil
- Size at Maturity:** Height: 2 to 5 feet – Spread: 1 ½ to 2 feet
- Foliage Color:** Coarse, ovate to broad-lanceolate, dark green leaves
- Flower Color:** Showy daisy-like purplish pink flowers up to 5” in diameter
- Bloom Time:** June to August
- Key Feature(s):** Freely self-seeds if at least some of the seed heads are left in place.
- Growth Rate:** Fairly rapid growers; germinate within 3-4 weeks and produce leaves in 3 months but can take up to two years to actually produce blooms.
- Cold Hardiness:** Zone: 3 - 8
- Water Needs:** Dry to medium

**Special Notes:** Adaptable plan tolerant to drought, heat, humidity and poor soil. Plants usually rebloom without deadheading. Good cut flower. Divide clumps when they become overcrowded (every 4 years). Dead flower stems will remain erect well into the winter and if the flower heads are not removed, the blackened cones may be visited by goldfinches and other birds that feed on the seeds. Japanese beetle and leaf spots are occasional problems.



## Prairie Blazing Star

**Botanical Name:** *Liatris pycnostachya*

- Requirements:** Full sun in average, dry to medium, well-drained soil
- Size at Maturity:** Height: 2 to 5 feet – Spread: 1 to 2 feet
- Foliage Color:** Green, grass-like narrow lance shaped leaves up to 12 inches long
- Flower Color:** Rounded, fluffy deep rose-purple flowerheads
- Bloom Time:** July to August
- Key Feature(s):** Commonly occurs in prairies. Belongs to the aster family with each flower head having only fluffy disk flowers resembling blazing stars. Flowers generally open from top to bottom on the spikes. Very attractive in mass plantings.
- Growth Rate:** Fairly rapid grower; low maintenance.
- Cold Hardiness:** Zone: 3 - 9
- Water Needs:** Dry to medium

**Special Notes:** Drought tolerant. Does not tolerate wet soils in winter. Uses in perennial borders, cutting gardens, wild gardens, native plant gardens, naturalized areas, prairies and meadows. Attracts birds, hummingbirds and butterflies.



## Oxeye Sunflower

**Botanical Name:** *Heliopsis helianthoids*

- Requirements:** Full sun in clay, loam, sand  
**Size at Maturity:** Height: 3 to 6 feet – Spread: 2 to 4 feet  
**Foliage Color:** Green ovate, toothed leaves (up to 6 “long)  
**Flower Color:** Daisy-like orange-yellow rays with brown center disks  
**Bloom Time:** June – August  
**Key Feature(s):** Showy, good cut flower, attracts butterflies.  
**Growth Rate:** Rapid grower; over a 5-month growing period from planting to start of blooming you can expect a 6-foot variety of sunflower to grow around 8-10 inches per month.  
**Cold Hardiness:** Zone: 3 - 9  
**Water Needs:** Dry to medium

**Special Notes:** Deer tolerant. Remove spent flowers to extend bloom season. *Heliopsis* is commonly called the false sunflower. No serious insect or disease problems.



## Smooth Penstemon

**Botanical Name:** *Penstemon digitalis*

- Requirements:** Full sun in average, dry to medium moisture, well-drained soil  
**Size at Maturity:** Height: 3 to 5 feet – Spread: 1 ½ to 2 feet  
**Foliage Color:** Basil leaves are elliptic and stem leaves are lance-shaped to oblong  
**Flower Color:** Showy, white, two lipped tubular flowers (1 ¼ “long) with purple lines in throat  
**Bloom Time:** April to June  
**Key Feature(s):** Native to the lower 48 states. Attracts birds and butterflies and provides nectar.  
**Growth Rate:** Rapid  
**Cold Hardiness:** Zone: 3 - 8  
**Water Needs:** Dry to medium

**Special Notes:** Deer and drought tolerant. *Penstemon* is sometimes commonly called foxglove beard-tongue because the sterile stamen has tuft of small hairs. Can spread somewhat aggressively in a garden setting. No serious insect or disease problems.





## White Turtlehead

**Botanical Name:** Chelone Glabra

**Requirements:** Part shade

**Size at Maturity:** Height: 2-3 feet – Spread: 1.5 feet – 2.5 feet

**Foliage Color:** Coarsely-toothed, lance-shaped, dark green leaves

**Flower Color:** Hooded, snapdragon-like, two-lipped, white with pink tinge

**Bloom Time:** August to October

**Key Feature(s):** Showy flower, naturalize, good in a rain garden

**Growth Rate:** Low maintenance

**Cold Hardiness:** Zone: 3-8

**Water Needs:** Medium to wet

**Special Notes:** Found in moist woods, swampy areas and along streams. Attracts butterflies. Tolerates erosion and wet soil



## Sweet Alyssum

**Botanical Name:** Lobularia Inlbusnopr

**Requirements:** Full sun to part shade

**Size at Maturity:** Height: 1-2 feet – Spread: 2-3 feet

**Foliage Color:** Linear, narrow-elliptic to lanceolate, gray-green leaves to 1" long

**Flower Color:** Dense clusters of sweetly fragrant tiny, 4-petaled, white flowers

**Bloom Time:** May to October

**Key Feature(s):** Showy and fragrant mounds. Found in hanging baskets

**Growth Rate:** Low maintenance

**Cold Hardiness:** Zone: 10-11

**Water Needs:** Medium

**Special Notes:** Annual. Susceptible to slugs



## Russian Sage 'Denim 'n Lace'

**Botanical Name:** *Perovskia atriplicifolia*

**Requirements:** Full sun

**Size at Maturity:** Height: 3-5 feet – Spread: 2 feet – 4 feet

**Foliage Color:** Finely dissected, aromatic, gray-green leaves on stiff, upright square stems

**Flower Color:** Whorls of two-lipped, tubular lavender/blue flowers in branched, terminal panicles

**Bloom Time:** July to October

**Key Feature(s):** Fragrant

**Growth Rate:** Easy to grow; low maintenance

**Cold Hardiness:** Zone: 5-9

**Water Needs:** Dry to medium

**Special Notes:** Deer, rabbit, drought tolerate



## Hibiscus 'Cherry Choco Latte'

**Botanical Name:** *Hibiscus spp.*

**Requirements:** Partial to full sun

**Size at Maturity:** Height: 3 ½ – 4 feet – Spread: 3 ½ - 4 feet

**Foliage Color:** Dark green

**Flower Color:** White with dark pink veins and a noticeable red eye

**Bloom Time:** Summer to fall

**Key Feature(s):** Blooms are large reaching 8-9 inches.

**Growth Rate:** Low maintenance

**Cold Hardiness:** Zone: 4-9

**Water Needs:** Average

**Special Notes:** Not drought tolerant