



UConn Home & Garden Education Center



Perennials

Herbaceous perennials are plants that live for more than one year but are not a woody plant such as a tree or shrub. Perennials grow and flower during the spring, summer, or early fall and then die back to the ground during the winter. Although they may produce seeds, these plants rely on vegetative reproduction unlike annuals which reproduce primarily by seed. The different forms of vegetative reproduction structures include bulbs, rhizomes, tubers, and woody crowns. Perennials are better-suited to surviving in colder climates such as Connecticut which ranges from USDA zones 7b to 5b. The larger root systems of perennials allow it to access water and nutrients that may be deeper in the soil making them more drought-tolerant than shallow-rooted annuals may be. Another benefit to perennials is that they will grow for many years with minimal care and do not need to be replaced every spring as annuals do.



Site Selection

Site selection is an important consideration when choosing perennials. While some perennials may adapt to less than perfect sun or shade availability, they may not bloom as abundantly or vibrantly in light conditions that are not optimum for the species. Before any planting, a soil test will determine any soil amendments that may be needed and will also give fertilizer recommendations. It may be best to select species for the soil conditions that are present rather than to amend soils for a particular plant.

Water Requirements

Regular watering is essential. As with most plants, perennials require about an inch of water at least once a week to keep plants looking good and producing more blossoms. Even drought tolerant species need water to get established and also during long dry spells. Check to see that plants are getting adequate water by either digging down after watering to see how deep the water has penetrated or set out a container and water until the one inch of water is collected. Avoid overwatering established perennials to promote deeper rooting.

Mulching your perennial plantings will keep weeds down and also decrease evaporation as soil under

mulched plants will stay moist longer. Any organic material can serve as a mulch but fine-textured shredded bark, cocoa bean hulls or buckwheat hulls may be more in keeping with the scale of smaller annuals. Usually only an inch or so of mulch is necessary around perennials. See [Mulch Basics](#) for additional information.

Fertilizer Requirements

In general, fertilizers formulated for flowering plants would contain amounts of nitrogen less than or equal to the amounts of phosphorus (i.e. 10-10-10 or 5-10-5). This is because phosphorus encourages flowering. Too much nitrogen will stimulate green leafy growth at the expense of flower production. Also, the recommendations are made for granular fertilizer formulations. These will generally supply nutrients to the plants for about 6 to 8 weeks. During periods of excessive rainfall or frequent irrigation, the nutrients may be leached out of the soil and fertilizer may need to be reapplied. See [Suggested Fertilizer Practices for Flowering Plants](#) for additional information.

Early-season Perennial Suggestions

Variety	Bloom Time	Height	Sun or Shade	Comments
<i>Allium</i> , Allium	Late spring	12" to 60"	Full sun	Large globe-like blooms in shades of purple, pink, and blue that can be up to 10" wide.
<i>Ajuga reptans</i> , Bugleweed	May to June	6" to 9"	Full sun to part shade	Will grow in full shade but best foliage color will be in part-sun.
<i>Anemone sylvestris</i> , Snowdrop anemone	Late spring to summer	12" to 18"	Full shade or filtered sun.	White flowers with yellow centers, blue-green foliage. Naturalizes easily.
<i>Aquilegia</i> , Columbine	April to May	18" to 24"	Full sun to part shade	Spurred flowers that are attractive to pollinators and hummingbirds. Susceptible to leafminers .
<i>Arabis caucasica</i> , Garden rockcress	April to May	6" to 12"	Full sun	White blooms that tolerate gritty but well-drained soils.
<i>Aurinia saxatilis</i> , Basket of gold	April to May	6" to 12"	Full sun	A low-growing, spreading perennial that is very attractive in rock gardens.
<i>Bergenia sp.</i> , Saxifrage	Spring	12"	Full sun to part shade	Glossy dark green leaves that turns reddish-bronze, pale pink to ruby red blooms.
<i>Brunnera macrophylla</i> , Siberian bugloss	Spring	12" to 18"	Dry shade	Sky-blue, forget-me-not-like flowers mix well with daffodils. Self-seeder that spreads.
<i>Caltha palustris</i> , Marsh marigold, Cowslip	April, May	12" to 24"	Part shade, shade	Yellow blooms. Prefers boggy areas so plant by a pond, stream, or marsh.
<i>Convallaria majalis</i> , Lily of the Valley	Spring to early summer	4" to 8"	Part shade	Nodding stems covered with tiny, white, bell-shaped flowers. Can spread to many areas.
<i>Crocus</i> , Crocus	March to April	6"	Full sun to part shade	Purple, white, or yellow blooms that will naturalize.
<i>Dicentra</i> , Bleeding Heart	Early to late spring	up to 36"	Full to partial shade	An old-fashioned perennial with dangling heart-shaped flowers.

<i>Disporum flavum</i> , Fairy bells, Solomon's seal	Mid to late spring	30"	Part shade, shade	Short-lived, nodding yellow flowers.
<i>Doronicum</i> , Leopard's bane	Mid-spring to early summer	12" to 18"	Full sun to part shade.	Bright yellow daisy-like flowers and heart-shaped foliage. Pairs well with tulips.
<i>Epimedium</i> , Epimedium, Fairy wing's, Bishop's hat	April	12" to 24"	Light shade	Long-lived, shade tolerant groundcover, foliage often evergreen. Blooms in pink, white, yellow, and reddish-rose.
<i>Galanthus</i> , Snowdrop	Mid-March	3" to 6"	Full sun to part shade	So named because it may actually bloom with white, bell-shaped flowers through a cover of snow.
<i>Helleborus sp.</i> , Lenten rose	Mid-March to April	12"	Part sun to light shade	Rose-like blossoms in shades of pink to maroon. Glossy evergreen leaves that turn bronze in the winter.
<i>Hyacinthus</i> , Hyacinth	Early spring	10"	Full sun	White, pink, red, pale yellow, and purple very fragrant blooms.
<i>Iris sp.</i> , Bearded Iris (Miniature Dwarf, Standard Dwarf, Arils, Spuris)	Early to late spring	Varied	Full sun	Many varieties in shades from white to deep purple-black. Grow from rhizomes in well-drained soils.
<i>Lupinus</i> , Lupine	Late spring	12" to 48"	Full sun	Tall, spiky racemes of sweet pea-like flowers in shades of pink, yellow, salmon, blue, and purple.
<i>Muscari</i> , Grape hyacinth	Mid-spring	6" to 9"	Full sun	Deep purple-blue upright stalks of dense bell-like blooms. Will naturalize.
<i>Myosotis scorpioides</i> , Forget-me-not	May to October	to 24"	Shade	5-petaled petite blue blooms that grow well near streams and brooks.
<i>Narcissi</i> , Daffodil	Late-march to mid-June	12" to 18"	Full sun	Long-lived blooms in combinations of white, yellow, salmon, orange, and pink. Will naturalize.
<i>Papaver orientalis</i> , Oriental poppy	Late spring	up to 36"	Full sun	Delicate, crepe-paper like blooms that can be up to 6" across.
<i>Peony sp.</i>	Mid to late spring	24" to 48"	Full sun	Bloom time may be extended up to 8 weeks by planting a variety of Peony species.
<i>Phlox divaricata</i> , Wild blue phlox	April to June	12"	Part shade	Pale blue to lavender to violet blooms.
<i>Primula polyantha</i> , Primrose	Early spring through summer	18" to 24"	Full sun to part shade	Wide variety of colors: white, cream, yellow, orange, red, and pink. Do not transplant well.
<i>Pulmonaria</i> , Lungwort	Early spring	14"	Part to full shade	A woodland plant that prefers a shady or moist location. Blue, pink or white flowers.

<i>Pulsatilla vulgaris</i> , Pasque flower	April to May	9" to 12"	Full shade or filtered sun.	Pale or dark violet flowers. Easy to raise from seed.
<i>Sanguinaria canadensis</i> L., Bloodroot	March and April	6" to 9"	Part to full shade	Bloodroot likes to grow along the edge of a wood or stream. Solitary 2" wide white flower.
<i>Tiarella cordifolia</i> , Foamflower	May	9" to 12"	Part to full shade	Easy to grow in moist soils. Pinkish buds open to tiny white flowers.
<i>Trillium sp.</i> , Trillium	Late winter to early spring	12" to 18"	Part shade	3-petaled blooms in shades from white to purple. Plants grown from seed will not bloom for 7 to 9 years.
<i>Viola odorata</i> , Wild violets	Late winter to early spring	6" to 8"	Part shade	Heart-shaped leaves with purple-blue flowers. Naturalize easily.

Mid to Late-season Perennial Suggestions

Variety	Bloom Time	Height	Sun or Shade	Comments
<i>Acanthus</i> , Bear's breeches	June to August	36" to 48"	Full sun to part shade	White, pink or purple snapdragon-like flowers on spikes that rise above the foliage.
<i>Achillea millefolium</i> , Yarrow	June to September	30" to 36"	Full sun	White to pink flowers in clusters of 15-40 tiny blooms in a single disc. Deadhead spent flowers to promote additional blooms.
<i>Agastache foeniculum</i> , Anise hyssop	Early summer to first frost	24" to 48"	Full sun to part shade	Upright lavender to purple blooms that are great for pollinators.
<i>Alcea</i> , Hollyhock	June to August	72" to 96"	Full sun	An old-fashioned garden favorite with white, pink, or red blooms growing on tall stems.
<i>Anemone sp.</i> , Japanese anemones, Windflowers	Late summer, early fall	24" to 34"	Full or part sun	Delicate masses of 2-3" blooms swaying on slender stems. 6 to 8 weeks of bloom time in shades of white, pink, or violet.
<i>Asclepias</i> , Milkweed	June to August	12" to 30"	Full sun	The many varieties of <u>milkweed</u> provide blooms in white, yellow, pink, and orange that are not only attractive to pollinators but provide food for the caterpillar of the Monarch butterfly.
<i>Aster</i> , Aster	Summer to fall	8" to 48"	Full to part sun	Daisy-like flowers ranging from white to pale pinks and

				blues to deep pinks and purples. Pinch back before July to control height and encourage bushiness.
<i>Astilbe</i> , False spirea	May to June	18" to 24"	Part to full shade	Fern-like mounds with erect, feathery, plumed flower panicles in pale to dark pink.
<i>Boltonia asteroides</i> , False aster	Mid-summer to early fall	48" to 60"	Full sun to part shade	Clouds of white, yellow, or pink aster-like blooms. Cut back by 1/3 in May and again in July for denser blooms.
<i>Campanula</i> , Bellflower	June to July	36"	Full sun	Uprturned, open cup-shaped blooms purple-blue, pink, or white.
<i>Chelone</i> , Turtlehead	July to September	24" to 48"	Full sun to part shade	White to pink flowers, grow in dense spikes. Grows in moist to wet soils.
<i>Chrysanthemum</i> , Mums	Late July through October	up to 18"	Full sun	Pinch back new shoots to 2-3 leaves when 6" tall, pinch back again when 12" prior to mid-July to encourage fuller plants. Divide plants every 3-4 years.
<i>Chrysopsis</i> , Golden asters	Late summer through fall	18' to 36"	Full sun	Bright yellow flowers open in late summer and continue through fall. The grey-green leaves are curiously twisted.
<i>Coreopsis</i> , Tickseed	Early summer to fall	12" to 24"	Full sun, some afternoon shade.	Gold, yellow, orange, or red flowers bloom on wiry stems with delicate, narrow foliage. Some varieties may be bi-color.
<i>Digitalis purpurea</i> , Foxglove	Summer	36" to 72"	Full sun to part shade	Stately plants that are suitable for the back of borders. White, yellow, pink, red, lavender, and purple blooms.
<i>Echinacea</i> , Coneflower	June to August	24" to 60"	Full sun to part shade	Showy, daisy-like purple flowers up to 5" in diameter. Best in full sun, divide when overcrowded. Great in borders.
<i>Eryngium planum</i> , Amethyst sea holly	June to September	12" to 36"	Full sun	The silver blue, teasel-shaped flower heads of sea holly are encircled with shiny bracts. Easily grows in dry, well-drained soil.
<i>Eutrochium purpureum</i> , Joe-pye weed	July to September	60" to 84"	Full sun to part shade	Dull pinkish-purple flower clusters, very attractive to

				pollinators. Seed heads persist into winter.
<i>Heuchera</i> , Coral bells	June to July	12" to 18"	Full sun to part shade	Grown more for the interesting shades of foliage than the slim stems of tiny bell-like flowers.
<i>Hemerocallis sp.</i> , Daylily	Late spring to fall	12" to 36"	full sun to part shade	Thousands of cultivars in every color except blue and pure white. Each bloom lasts just a day.
<i>Hibiscus</i> , Hibiscus	July to September	48" to 60"	Full sun	Hardy hibiscus is a woody perennial with large, showy blooms (6"-10") in white, pink, and red combinations that bloom for one day. Many blooms are open at any time.
<i>Lavandula angustifolia</i> , Lavender	June to August	24" to 36"	Full sun	Gray-green foliage with whorls of tiny, fragrant flowers in purples, pinks, white, and yellow.
<i>Lilium asiatica</i> , Asian lilies	June to July	12" to 48"	Full sun to part shade	Large star-shaped blooms atop long stems, great cut flowers. Susceptible to the <u>Lily leaf beetle</u> .
<i>Lilium oreintalis</i> , Oriental lilies	August	12" to 48"	Full sun to part shade	Large star-shaped blooms atop long stems, great cut flowers. Susceptible to the <u>Lily leaf beetle</u> .
<i>Lobelia cardinalis</i> , Cardinal flower	July to September	24" to 48"	Full sun to part shade	Erect terminal spikes of large, red, tubular flowers. Needs consistently moist soil.
<i>Monarda</i> , Bee balm	Summer	24" to 48"	Full sun	Pink, purple, red, and white spiky blooms that are very attractive to pollinators.
<i>Nipponanthemum nipponicum</i> , Montauk daisy	Mid-summer to early fall	18" to 36"	Full sun	White daisy blooms from mid-summer to frost. Dark green leathery foliage.
<i>Perovskia atriplicifolia</i> , Russian sage	Summer	36" to 48"	Full sun	Showy, tall, airy spikes of lavender-blue flowers with finely-textured foliage.
<i>Platycodon grandiflorus</i> , Balloon flowers	Late summer	12" to 24"	Full sun to part shade	Star-shaped white, pink, or blue blooms from puffy buds.
<i>Polemonium reptans</i> , Jacob's ladder	Late spring to early summer	12" to 36"	Full to part shade	Loose clusters of bell-like flowers in shades of white, pink, yellow, or blue. Low maintenance.
<i>Pycnanthemum sp.</i> , Mountain mints	July to September	12" to 36"	Full sun to part shade	Best flowering in full sun, will bloom in bright shade. Pink

				blooms are a favorite of pollinators
<i>Rudbeckia hirta</i> , Black-eyed Susan	June through October	12" to 36"	Full sun	Large, daisy-like, golden blooms with black centers. Good cut flowers. Does not reproduce true from seed.
<i>Sanquisorba canadensis</i> , Canadian burnet	June through October	up to 6'	Full sun or part shade	Great for back of a border with cream colored flowers that resemble bottle brushes.
<i>Sedum sp.</i> , Stonecrops	August to November	6" to 24"	Full sun	Hardy succulents with fleshy, water-storing leaves. Great for rock walls and gardens, borders and containers. Divide in early spring.
<i>Solidago</i> , Goldenrod	Mid-July to September	36"	September to November	Tall yellow spikes of tiny yellow blooms, often mistaken for the allergy-inducing ragweed.
<i>Tricyrtis hirta</i> , Toad lily	Late summer to early fall	24" to 36"	Shade	Fuzzy, ear-shaped leaves combined with the mottled, curiously shaped mauve flowers at the tips of the stems. Self-seeds.

Division

- Most perennials will benefit from division every 3-4 years.
- Spring blooming perennials may be divided in the very early spring, after flowering, or in the fall.
- Perennials that bloom later in the season can also be divided in the early spring or after flowering.
- Plants do best if they are divided when the weather is cool and wet to lessen the amount of stress on the plant.
- Plants should be divided six weeks before the ground freezes to give the plant time to set new roots.
- Prepare new holes before dividing the mother plant so that roots don't remain exposed to the air and sun longer than necessary.
- New holes should be twice the width of the root ball.
- Perennials may be cut back to 6" prior to division.
- Use a spade or a sharp knife to divide clumps or separate rhizomes.
- Make sure that the crown of the plants are placed at the same depth in the soil as it was prior to division.
- Newly divided plants should be watered immediately after re-planting and then receive at least 1" of water per week until the ground freezes.
- A layer of mulch will help the soil to retain moisture.

Despite good cultural practices, pests and diseases at times may appear. Chemical control should be used only after all other methods have failed. For pesticide information please call UConn Home and Garden Education Center weekdays, in Connecticut call toll free 877-486-6271. Out of state call 860-486-6271. UConn Home and Garden Education Center, 2019

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