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Perennials for Shady Locations

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shaded yard is never more welcome than on a hot summer day. However, while you may appreciate the pleasant temperatures shade provides, you may assume you cannot have a colorful garden if your yard does not receive much sunlight. Not true; a group of wonderful shrubs and flowers thrives in shade. In fact, they require shade to best display their ornamental characteristics. You can create a pleasing and rewarding garden of perennials, annuals, ground covers, and shrubs—a bonus to the good fortune of having trees and lots of shade. And be assured that your neighbors who don't have large trees wish they could have the instant comfort of shade.

This publication deals solely with perennial plants for shady locations. Shade can be described as being full, half, partial, light, heavy, filtered, dappled, and so on. Each yard is unique when it comes to the type of shade provided by trees, buildings, decks, lathwork, fences, walls, or stairways. The best perennials for your shaded yard depend on your preferences in color, texture, and plant heights. Identifying plants that have the qualities to perform well under various degrees of shading can be a rewarding, yet sometimes challenging, experience. Experiment with your plants and feel free to move them to different locations around the yard, if necessary.

To learn more about shade gardening, visit your local public library or bookstore. Garden catalogs are also excellent sources of information, especially for that unique plant you would like to know more about. The professionals at a nursery or garden center will also have a lot of helpful information on selecting the right plants for your shaded yard. The chart beginning on page 3 lists perennials that prefer a shady location and provides a good start for selecting the right plants to add to your pleasant, cool, shaded yard.

Pest Management in Perennial Flower Gardens

You will notice that most of the plants listed in this publication are designated as having few pests. However, overall health of the perennial flower garden can drastically affect the need for pest control. A very practical and effective approach to pest control involves a process known as integrated pest management, or IPM. The IPM approach is multifaceted and much broader than simply applying pesticides when problem organisms are present.

One of the main tenets of IPM is to select plants with natural pest resistance such as many of the species and cultivars listed in this publication. But plants should also be selected based on the environment in which they will grow, such as sunny

versus shady conditions, wet versus dry sites, or acid versus alkaline soils. These environmental recommendations are often given in the **Performance** section of the plant descriptions. Placing a plant in an improper site will result in poor plant growth that often invites pest problems down the road.

Good cultural practices, another important part of IPM, include choosing the right plant for a particular site, preparing the planting site, installing the plant properly, and maintaining the plant with correct practices involving irrigation, fertilization, mulching, sanitation, and division or separation of overgrown plants.

Proper mulching and sanitation yield many benefits. Organic mulches applied regularly to the soil promote the growth of beneficial soil organisms, regulate soil temperature, conserve soil moisture, and reduce competition by weeds. Regularly removing dead or dying plant material and cleaning up the garden in fall and spring will greatly reduce the number of insects and diseases that are present and may potentially overwinter in the landscape. When these activities are carried out correctly, the perennial flower garden will rarely need treatment with pesticides.

When pest problems do arise, the issue can often be resolved through non-chemical means, or through the use of chemicals or biological control agents that are very specific to the targeted pest and thus likely to interfere with the natural ecology of the perennial garden. Your county Extension agent is often able to help with diagnosis of the problem and can prescribe a treatment to remedy the pest situation.

Explanation of Terms

Plant names—The scientific and common names of selected perennials are listed in the following chart. The chart lists the scientific names alphabetically for ease in finding a particular plant.

The scientific name (genus and species) is important because gardeners seeking information about a specific plant will need this name for most reference books. In some cases, scientific names have changed; an effort has been made to list the new scientific name with the older, more familiar scientific name. Plant names are based on those used in *Herbaceous Perennial Plants* by Alan M. Armitage. Scientific names are hard to learn but make it easier for you to find information in books and catalogs on perennials.

Typical common names are listed as well, but these names can vary from region to region and be confusing.

A specific cultivar (cultivated variety) is often listed with the scientific name or mentioned in the comments. This indicates that the cultivar is superior to the "wild-type" genus and species. Plant breeders working on perennial flowers are producing more and more choices, and many of them are worth the extra expense to purchase or the extra time to find. If your favorite cultivar is not listed, be assured it was not left out intentionally. It is nearly impossible to keep up with all the good cultivars. Contact your county Extension agent about favorite plants that have proven their worth to you.

Color—Most perennials are available in a narrow range of colors.

Bloom season—The bloom season listed is the typical time to expect the perennials to flower. Weather conditions affect the exact date of bloom. Therefore, a comment relative to season of bloom is more appropriate than giving specific months.

Diseases and insects—Most of the perennials listed have no serious disease or insect pests. The plants generally tolerate pest problems and require no chemical treatment. The age-old practices of garden cleanup and sanitation are important in pest management.

Performance—This category provides tips on plant performance and general maintenance that encourages plant vigor.

Concerns about invasiveness and cultural problems are also listed here.

Propagation—Many perennials can be produced from seed but may require several years before they are mature enough to bloom. Propagation of perennials from seed is slow, and a gardener may lose patience and/or plants before perennials mature to flower production.

Division is a common method of producing perennials. There may be specific times during the season when division is most successful for some plants, while others can be divided anytime. A general rule is, "If the plant blooms in the spring, divide it after bloom or in the fall. If the plant blooms in the fall, divide it in the spring."

Cuttings of perennials may root easily and produce large numbers of small plants in a short time. Appropriate growing media and a typical cutting propagation environment are all that is required. Although cutting production may be simple, the small plants may require several years before blooms are produced.

Comments—This section contains specific information about the species or hybrids. Cultivar names may be listed as well as uses of the plant. Short life expectancy of certain plants is mentioned here, also.

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Name	Flower Color	Height	Season	Pests	Uses	Propagation	Performance/Comments
Acanthus mollis Common Bear's Breeches	purple, white	3'	late spring	few	border	root cuttings, division	Performance: Tolerates full sun but best in partial shade. Evergreen foliage may become unsightly in winter. Comments: Fifth-century Greek Corinthian columns bear the design of sculptured leaves of Acanthus. Wavy, heart-shaped leaves have no spines. Flowers are sometimes injured by winter weather.
Aconitum napellus Monkshood	blue	3-4'	late summer	few	border, cut	division in fall, seed	Performance: Prefers a moist soil but not soil that stays wet. Normally thought of as a full-sun plant, but seems to do better in partial shade in Kentucky. Comments: All parts of the plant are poisonous. The roots are particularly toxic; therefore, the plant should never be grown near the vegetable garden. Seed is difficult to germinate.
Alchemilla mollis Lady's Mantle	yellowish	8-10"	early summer	few	border, cut	seed, division in spring or fall	Performance: Prefers a moist, shady area but tolerates some sun. In a sunny location, the leaves appear brown or burned by late summer. Comments: Drops of dew or raindrops tend to collect on the leaves and can sometimes promote disease problems. Sometimes sold as A. vulgaris.
Aquilegia x hybrida Columbine	white, yellow, red, pink	1-2'	early summer	leaf miner	border, cut	seed	Performance: Prefers partial shade but tolerates a wide range of conditions. Tends to be a short-lived perennial but often self sows. Comments: There are about 60 known columbine species. Named cultivars and species are generally easy to propagate from seed.
Arum italicum Italian Arum	white	12-20"	late spring, good all-season leaf pattern, good fall fruit	few	border	division in fall, seed	Performance: Prefers a rich, moist soil. The foliage appears in late fall and persists through the winter, adding interest. The flowers appear in late spring and, after bloom, stalks of striking red berries develop. Comments: Arums are related to calla lilies. 'Pictum' is the hardiest of arums.
Aruncus dioicus Goat's Beard	cream	4-6'	early summer	few	border	division, seed	Performance: Must have a moist location. In cooler areas it can be grown in full sun. Requires a great deal of space in the garden. Division may be difficult. Seeds require a cold stratification period for germination. Comments: 'Kneiffii' is 3' tall. Male and female blooms are on separate plants. Male blooms are more upright and showier. Resembles a giant astilbe.
Asarum europaeum European Ginger	purple, brown inconspicuous	4-6"	spring, all-season foliage	few	ground cover	division in spring	Performance: Must have a moist location. Grown for the foliage, which is evergreen. Comments: A. shuttleworthii 'Calaway' has mottled evergreen foliage and may tolerate the heat more but is not as winterhardy as A. europaeum. Some Asarums are listed as Hexastylis.

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Astilbe x arendsii Astilbe, False Spirea	pink, white, red, lavender	2-3'	late spring, summer	mites	border, cut, dried	division in spring	Performance: Tolerates full sun but does best in at least partial shade and a moist location. Does not tolerate poor, dry, alkaline, or soggy soils. Comments: Many cultivars are available. Bloom time depends on the cultivar or species. Foliage color ranges from green to bronze. The flower spikes can be dried. Related species: A. x rosea 'Peach Blossom', also an excellent choice.
Astilbe chinensis 'Pumila' Dwarf Chinese Astilbe	pink-purple	12-15"	late summer	few	border, cut, edging	division in spring or fall, seed	Performance: Prefers a moist soil rich in organic matter. More tolerant of dry soil than <i>A. x arendsii</i> . Comments: Flowers last several weeks. Densely stoloniferous, making it a first-rate edging plant.
Astilbe taquetti 'Superba' Fall Astilbe	magenta	3-4'	late summer	few	border, cut	division in spring or fall	Performance: Heat- and drought-tolerant but less so than <i>A. chinensis</i> 'Pumila'. Flowers more dense than those of <i>A. x arendsii</i> hybrids. Comments: Flowers last several weeks. Flowering may continue into August.
Begonia grandis Hardy Begonia	pink	18-24"	summer	few	border	bulbils	Performance: Needs a rich, moist soil. The tuberous roots may be killed during severe winters but this is generally not a problem since the plants readily propagate from bulbils. Bulbils form in the leaf axils and then drop to the ground. Plants emerge from these in the spring and can be left or transplanted to other parts of the garden. Comments: Pink ovaries of female flowers remain attractive long after flowers are spent. Large, angel-wing leaves are especially attractive when lit from behind to highlight red veining. Also listed as <i>B. evansiana</i> .
Bletilla striata Hyacinth Bletilla	purple	8-10"	spring	few	border	division	Performance: This terrestrial orchid is very suitable for Kentucky gardens. Comments: Bulbous roots should be planted no more than 2" deep. White and bicolor forms are also available.
Bergenia cordifolia Bergenia, Pigsqueak	pink, red	1-2'	spring, all-season foliage	few	border, ground cover	division in spring, seed	Performance: Tolerates sun. Prefers a moist soil but tolerates a wide range of conditions. Grown for the effect of the glossy evergreen foliage. Comments: During the winter, the foliage becomes red or bronze. Many cultivars are available.
Brunnera macrophylla Heartleaf Brunnera	blue	12-20"	flowers in spring, all-season foliage	few	border, ground cover	root cuttings, seed	Performance: Shade and consistent moisture are needed for vigorous growth. Comments: Blue flowers held above small leaves appear in the spring, but leaves continue to enlarge.
Ceratostigma plumbaginoides Plumbago, Leadwort	blue	8-12"	summer, fall	few	border, ground cover	division in spring, cuttings, seed	Performance: Tolerates sun. Must have a well-drained location. Does not tolerate soggy conditions. Leaves appear late in the spring. Comments: Foliage turns bronze in the fall.
Chelone glabra White Turtlehead	white	2-3'	summer	few	border	division in spring or fall, cuttings	Performance: Also does well in full sun and constantly moist areas. Comments: Flowers contrast nicely with foliage.
Chelone lyonii Pink Turtlehead	rose-pink	2-3'	summer	few	border	division in spring or fall, cuttings	Performance: Tolerates morning sun and alkaline soils. Comments: Flowers persist for about 4 weeks in summer.

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Cimicifuga racemosa Snakeroot, Cohosh	white	3-8'	summer	few	border	division in spring or fall, seed	Performance: Tolerates full sun but needs a rich, moist location. Has a deep root system and does not divide well. Comments: Tall, white spire blooms last several weeks.
Convallaria majalis Lily-of-the-valley	white, pink	5-10"	late spring	few	ground cover, cut	division after flowering, pips (shoots that appear on the rhizomes)	Performance: Must have a moist location. The foliage will not last throughout the season in a dry area. Comments: Blooms are very fragrant and should be cut and enjoyed indoors. Several cultivars are available.
Dicentra eximia Fringed Bleeding Heart	pink	12-18"	summer	aphids	border, cut	division in spring, seed	Performance: <i>D. eximia</i> blooms for an extended period of time if grown in a moist location. Does not tolerate wet soils in winter. Comments: With the correct growing conditions, this plant will bloom throughout most of the summer. Several cultivars are available.
Dicentra spectabilis Common Bleeding Heart	pink, white	2-3'	early summer	stem rot, wilt	border, cut	division in spring or fall, seed, cuttings in spring	Performance: Requires a fertile soil high in organic matter. The foliage may die back after flowering. Seed must be sown in fall or stratified for best germination. Comments: D. eximia is considered the better full-sun plant, but does not make the same display in shade. 'Alba' has white flowers but is not as vigorous as the species.
Dodecatheon meadia Common Shooting Star	white, pink, lavender, purple	8-18"	late spring	few	border, rock garden	division in fall	Performance: Needs a well-drained, moist soil. Appears in the spring, blooms, and then goes dormant for the summer. Comments: Since the foliage does not last through the summer, other plants should be planted to fill the area through the rest of the season.
Doronicum caucasicum Leopard's Bane	yellow	1-2'	early summer	few	border, cut	division, seed	Performance: Can be grown in full sun but does best in partial shade. The foliage declines throughout the summer or may disappear entirely after bloom. This is not a long-lived perennial. Comments: Several cultivars are available.
Epimedium sp. Barrenwort, Bishop's Cap	yellow, red, white	8-12"	early spring	few	ground cover	division	Performance: Foliage on very thin petioles waves in the wind; semi-evergreen. Cut to ground in early spring. Comments: By summer's end, plants may look ragged.
Galium odoratum Sweet Woodruff	white	4-8"	late spring	few	ground cover, herb	division	Performance: Prefers a moist soil. Does not bloom as well in deep shade. Comments: Also used as a fragrance herb. The foliage smells like newly mown hay when crushed or dried. Also listed as Asperula odorata.
Geranium sanguineum Cranesbill geranium	magenta	8-12"	spring	few	filler, border	division	Performance: Foliage is deeply lobed. Well-drained soil required. Considered low maintenance. Protect from late afternoon sun; prefers morning sun. Comments: G. sanguineum var. striatum 'lancastriense' has soft pink flowers with crimson veins. It is sometimes sold as 'Prostratum' and is a low, spreading cultivar (6-8" tall). It is often described as the best of the lot.

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Geranium sp. Cranesbill geranium	white, pink, lilac, blue	6-15"	spring	few	filler, edging, border	division	Performance: Light shade from afternoon sun suits this plant. Well-drained soil required. Comments: G. x cantabrigiense 'Biokovo' (white to pale pink); G. dalmaticum (light pink); G. endressii 'Wargrave Pink' (warm pink); G. x himalayense 'Johnson's Blue' (bluish); G. macrorrhizum 'Ingwerson's Variety' (soft pink, this species is the native geranium found in Kentucky). These cultivars have performed well in full sun but equally well when protected from the hot, late afternoon sun. At least morning sun is a requirement for good performance, and soil must drain well.
Helleborus orientalis Lenten Rose	white, purple	12-15"	early spring	few	border	division, seed	Performance: The foliage is evergreen. Easy to establish and should increase easily. Fertilizing in the spring as the new leaves emerge promotes vigorous growth. Comments: This is the easiest species to grow, requiring shade and occasional water.
Helleborus niger Christmas Rose	white to purple	12-18"	winter, early spring	few	border	seed	Performance: Needs consistent moisture, shade, and slightly basic soils. Comments: One of the earliest perennials to flower. Not as adaptable as the Lenten Rose.
Heuchera sanguinea Coral Bells	red, pink, white	8-18"	spring, summer	few	border, ground cover	division, seed	Performance: Does fine in full sun but can also be used in partial shade. Likes a moist, well-drained soil. Divide every 3-4 years. Comments: Several cultivars and species are available. H. micrantha diversifolia 'Palace Purple' is grown for the effect of the purple foliage rather than the blooms.
Heucherella (intergenetic hybrid) Foamy Bells	pink	12-16"	spring	few	border, ground cover	division	Performance: Requires a moist location. May be evergreen. Comments: An intergenetic cross between a <i>Heuchera</i> hybrid and <i>Tiarella cordifolia</i> . New and interesting cultivars are becoming more readily available.
Hosta (species, hybrids) Plantain Lily, Hosta, Funkia	white, lavender	8-36"	spring, summer	slugs	border, cut	division	Performance: Considered a low-maintenance perennial for a shade or semi-shade location. Grown mainly for the effect of the foliage. Comments: There are so many species and cultivars available, choosing just one is difficult. Available in a variety of leaf shapes and color combinations. Excellent plants for the garden.
Liriope muscari Blue Lily-turf	lilac	12-18"	late summer	few	ground cover	division, seed, tissue culture	Performance: Not particular concerning soils, if drainage is adequate. Tolerates heavy shade but takes longer to spread. Comments: Plantings grown mainly for the turf-like foliage. May be mowed to the ground in late winter to eliminate old foliage and allow a new flush of growth in spring.
Lobelia cardinalis Cardinal Flower	red	2-4'	late summer, fall	few	border, cut	division, seed	Performance: Does best in a moist location. Is naturalized along streams. Comments: A native plant in Kentucky. Attracts hummingbirds.
Lobelia siphilitica Big Blue Lobelia	blue	2-3'	late summer, fall	few	naturalized	division every 2-3 years	Performance: Prefers moist soil and partial shade but tolerates full sun. Comments: Flowers persist 3-4 weeks.

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Lysimachia clethroides Gooseneck Loosestrife	white	2-3'	late summer	few	border	division, seed, cuttings	Performance: Prefers moist but not waterlogged soils and partial shade. Can be invasive.
Lysimachia punctata Yellow Loosestrife	yellow	1-2'	summer	few	border	cuttings, seed, division	Performance: Prefers moist, partial shade but tolerates full sun. Can be invasive.
Mertensia virginica Virginia Bluebells	pink to blue	12-18"	spring	few	border, naturalized	division	Performance: A moist location is best. Should not be planted in masses. The foliage dies back after flowering, leaving a "hole" in the garden. Interplanting with later perennials can solve this problem. Comments: The flowers appear pink at first and then turn blue. It is a very attractive plant in the spring.
Myosotis sylvatica Garden Forget-me-not	blue	12-18"	spring	mites, powdery mildew	border, rock garden	division, seed, cuttings	Performance: Mainly blooms in the spring but produces sporadic bloom at other times. Prefers a moist soil. Not considered a long-lived perennial, but may self sow. Comments: 'Alba'—white flowers; 'Victoria Rose'—pink flowers
Polemonium caeruleum Jacob's Ladder	blue	18-24"	summer	few	border	division, seed	Performance: Requires partial shade and a well-drained site. Comments: Flowers persist for several weeks.
Polemonium reptans Creeping Polemonium	light blue	8-18"	spring	few	border	division	Performance: Grows well in partial shade and moist soils. Comments: Excellent foliage all season.
Polygonatum biflorum Solomon's Seal	white	2-4'	spring	few	border	division	Performance: Tolerates a sunny location. Prefers a moist soil. Comments: Although the flowers are not showy, the graceful arching foliage is an attractive addition to the garden.
Polygonatum odoratum 'Variegatum' Fragrant Solomon's Seal	white-green	18-24"	spring	few	border	division of rootstock, seed	Performance: Tolerates heavy shade. Grows well in shady, moist areas. Comments: Leaves are soft green edged in creamy white. Flowers persist for 2-3 weeks and are fragrant.
Primula auricula Auricula Primrose	yellow	2-8"	spring	few	border	division, stem cuttings, seed	Performance: Requires consistently moist soil and partial shade. Comments: Roots are shallow and need winter protection.
Primula denticulata Drumstick Primrose	lilac, white	8-10"	spring	few	border	division, seed	Performance: Moist, partially shaded areas best for optimum growth. Comments: Roots need winter protection.
Pulmonaria sp. Lungwort	blue, white, red, pink	10-14"	early spring	few	border	division	Performance: Tolerates deeper shade than most perennials. Needs moist, rich soil. Summer drought can kill it. Comments: <i>P. angustifolia</i> has bright blue flowers, very attractive in combination with the yellow color of daffodils and forsythia.
Thalictrum aquilegifolium Columbine Meadow-rue	white, purple	3'	late spring	few	border	division, seed	Performance: Partial shade, moist soil required. Comments: Direct sun results in less vigorous plants and later flowering. Flowers for 2 weeks.
Thalictrum rochebrunianum 'Lavender Mist' Yunnan Meadow-rue	lavender	5'	summer	few	border, cut	division, seed	Performance: Partial shade, moist soil required. Comments: Plants require support when flowering.

Name	Flower Color	Height	Season	Pests	Uses	Propagation	Performance/Comments
Tiarella cordifolia Allegheny Foamflower	white	6-12"	spring	few	border	division, seed	Performance: Requires moisture-retentive, highly organic soils in medium to heavy shade. Comments: Excellent low-maintenance plant.
Tricyrtis hirta Toad Lily	white/purple spots	2-3'	late summer, fall	few	border	division spring or fall, seed	Performance: Prefers moist soil rich in organic matter. Will not be as tall in dry soil. Comments: Seed requires stratification for best germination. The orchid-like flowers are not showy from a distance but are interesting when viewed at close range.
Viola cucullata Marsh Blue Violet	violet	3-6"	spring	few	border, ground cover	division, seed	Performance: Requires moist, shady areas. Invasive.
Viola labradorica Labrador Violet	violet	1-4"	spring	few	border, ground cover	division, seed	Performance: Requires shade, moisture. Invasive.

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