

pH & Nutrient PREFERENCES

FLOWERS



| Common Name | Species | Nitrogen | Phosphorus | Potassium | pH |
|-------------------------|--------------------------|----------|------------|-----------|-----------|
| Acanthus | Acanthus species | M | M | L | 6.0 - 7.0 |
| Ageratum | Ageratum houstonianum | M | L | M | 5.5 - 6.5 |
| Alumroot | Heuchera | M | M | M | 5.0 - 6.0 |
| Alyssum | Alyssum species | M | M | M | 6.0 - 8.0 |
| Amaryllis | Hippeastrum | M | M | M | 5.0 - 6.0 |
| Ampelopsis | Ampelopsis species | M | M | M | 6.0 - 8.0 |
| Anemone | Anemone species | M | M | M | 6.0 - 8.0 |
| Aster | Aster, many species | M | M | M | 6.0 - 8.0 |
| Astilbe | Astilbe, many species | M | M | M | 6.0 - 8.0 |
| Atamasco Lily | Zephyranthes atamasco | M | M | M | 5.0 - 6.0 |
| Bee Balm, Oswego | Monarda didyma | M | M | M | 6.0 - 7.0 |
| Begonia | Begonia species | M | M | M | 6.0 - 8.0 |
| Bellflower | Campanula, many species | M | M | M | 6.0 - 8.0 |
| Blazing Star | Liatrus species | M | M | M | 5.0 - 6.0 |
| Bleeding Heart, Fringed | Dicentra eximia | M | M | M | 5.0 - 6.0 |
| Bloodroot | Sanguinaria canadensis | L | L | L | 5.5 - 6.5 |
| Bluebeard | Clintonia borealis | L | L | L | 4.0 - 5.0 |
| Bluebell, Feather | Campanula divaricata | M | M | M | 5.0 - 6.0 |
| Bluebells, Virginia | Mertensia virginica | M | L | L | 6.0 - 8.0 |
| Bluets | Houstonia coerulea | M | L | L | 5.0 - 7.0 |
| Bowman's Root | Gillenia trifoliata | M | L | L | 6.0 - 7.0 |
| Bugbane, American | Cimicifuga americana | M | L | L | 5.0 - 6.0 |
| Bunchberry | Cornus canadensis | M | M | M | 4.0 - 5.0 |
| Bunch Flower | Melanthium virginicum | M | M | M | 5.0 - 6.0 |
| Buttercup | Ranunculus, many species | M | M | L | 6.0 - 8.0 |
| Calendula | Calendula officinalis | M | M | M | 6.0 - 8.0 |
| Candytuft, Evergreen | Iberis sempervirens | M | M | M | 6.0 - 7.0 |
| Canna | Canna species | M | M | M | 6.0 - 8.0 |
| Carnation | Dianthus caryophyllus | M | M | M | 6.0 - 8.0 |
| Centaurea | Centaurea species | M | M | M | 6.0 - 8.0 |
| China Aster | Callistephus chinensis | H | H | H | 6.0 - 8.0 |
| Chrysanthemum | Chrysanthemum species | H | H | H | 6.0 - 8.0 |
| Cinquefoil | Potentilla, many species | M | M | M | 6.0 - 8.0 |
| Clarkia | Clarkia amoena | M | M | M | 6.0 - 6.5 |
| Coleus | Coleus varieties | H | H | H | 6.0 - 8.0 |
| Columbine | Aquilegia, many species | M | M | M | 6.0 - 8.0 |
| Coneflower | Rudbeckia, many species | M | M | M | 6.0 - 8.0 |
| Convolvulus | Convolvulus species | H | H | H | 6.0 - 8.0 |
| Coreopsis | Coreopsis, many species | M | M | M | 5.5 - 6.5 |
| Cosmos | Cosmos bipinnatus | H | H | H | 6.0 - 8.0 |
| Cranesbill | Geranium, many species | M | M | M | 6.0 - 8.0 |
| Crocus | Crocus species | M | M | M | 6.0 - 8.0 |
| Cyclamen | Cyclamen persicum | M | M | M | 6.0 - 8.0 |

| Common Name | Species | Nitrogen | Phosphorus | Potassium | pH |
|------------------------|-------------------------------------|----------|------------|-----------|-----------|
| Daffodil | Narcissus | M | M | M | 6.0 - 6.5 |
| Dahlia | Dahlia species | H | H | H | 6.0 - 8.0 |
| Daylily | Hemerocallis species | M | M | M | 6.0 - 8.0 |
| Dropwort | Filipendula hexapetala | M | M | M | 6.0 - 7.0 |
| Eulalia | Miscanthus sinensis | M | M | L | 6.0 - 7.0 |
| Evening Primrose | Oenothera, many species | M | M | M | 6.0 - 8.0 |
| Everlasting, Pearl | Anaphalis margaritacea | M | M | M | 5.0 - 6.0 |
| Fairy Bells | Disporum lanuginosum | M | M | M | 5.0 - 6.0 |
| False Indigo | Baptisia, many species | M | M | M | 6.0 - 8.0 |
| Fairy Wand | Chamaelirium luteum | M | M | M | 5.0 - 6.0 |
| Feather Fleece | Stenanthium robustum | M | M | M | 4.0 - 6.0 |
| Fern, Bracken | Pteridium aquilinum, latiusculum | M | L | M | 5.0 - 6.0 |
| Fern, Brake | Pteris species | M | L | M | 6.0 - 8.0 |
| Fescue, Sheep | Festuca ovina | M | L | L | 5.0 - 6.0 |
| Flax | Linum species | M | M | M | 6.0 - 7.0 |
| Fleece Flower | Polygonum, many species | M | M | L | 6.0 - 8.0 |
| Forget-Me-Not | Myosotic | H | M | M | 6.0 - 8.0 |
| Foxglove | Digitalis species | M | M | M | 6.0 - 8.0 |
| Fumitory, Rock | Corydalis sempervirens | M | M | M | 5.0 - 6.0 |
| Gaillardia | Gaillardia species | M | M | M | 6.0 - 8.0 |
| Galax | Galax aphylla | M | M | M | 4.0 - 5.0 |
| Gayfeather | Liatris graminifolia | M | M | M | 5.0 - 6.0 |
| Gentian | Gentiana, many species | M | M | M | 6.0 - 8.0 |
| Geranium | Pelargonium species | H | H | H | 6.0 - 8.0 |
| Gerbera Daisy | Gerbera jamesonii | H | H | H | 6.0 - 7.0 |
| Gladiolus | Gladiolus species | H | H | H | 6.0 - 8.0 |
| Globeflower | Trollius, many species | H | H | H | 6.0 - 8.0 |
| Golden Aster, Maryland | Chrysopsis mariana | M | M | L | 6.0 - 7.0 |
| Goldenrod | Solidago, many species | M | M | L | 6.0 - 8.0 |
| Goldenstar | Chrysozonum virginianum | M | M | M | 6.0 - 7.0 |
| Gypsophila | Gypsophila species | M | M | M | 6.0 - 8.0 |
| Heliotrope | Heliotropium species | H | H | H | 6.0 - 8.0 |
| Hens and Chickens | Sempervivum, many species | M | M | M | 6.0 - 8.0 |
| Hepatica | Hepatica species | M | M | M | 6.0 - 8.0 |
| Hibiscus | Named species and varieties | H | H | H | 6.0 - 8.0 |
| Hollyhock | Alcea species | M | M | M | 6.0 - 8.0 |
| Hyacinth | Hyacinthus orientalis | M | M | M | 6.0 - 8.0 |
| Impatiens | Impatiens species | H | H | H | 6.0 - 8.0 |
| Iris | Iris, many species | M | M | M | 6.0 - 8.0 |
| Iris, Japanese | Iris kaempferi | M | M | M | 5.0 - 6.0 |
| Jack-in-the-Pulpit | Arisaema | M | M | L | 5.0 - 6.0 |
| Lady-slipper, Pink | Cypripedium acaule | M | M | M | 4.0 - 5.0 |
| Larkspur | Delphinium, many species | M | M | M | 5.5 - 6.5 |
| Lily | Lilium various species | M | M | M | 5.0 - 6.0 |
| Lily-of-the-Valley | Convallaria majalis | M | M | M | 5.0 - 6.0 |
| Lobelia | Lobelis, many species | M | M | M | 6.0 - 8.0 |
| Loosestrife | Lysimachia, many species | M | M | M | 6.0 - 8.0 |
| Lungwort | Pulmonaria species | M | M | M | 6.0 - 8.0 |
| Marsh Marigold | Caltha palustris | M | M | M | 6.0 - 8.0 |
| Milkweed | Asclepias species | M | M | M | 5.0 - 8.0 |
| Monkshood | Aconitum species | M | M | M | 6.0 - 8.0 |
| Morning Glory | Ipomoea species | M | M | M | 6.0 - 8.0 |



| Common Name | Species | Nitrogen | Phosphorus | Potassium | pH |
|-------------------------|----------------------------|----------|------------|-----------|-----------|
| Narcissus | Narcissus species | M | M | M | 8.0 - 8.0 |
| Nasturtium | Tropaeolum species | M | M | M | 6.0 - 8.0 |
| Oconee Bell | Shortia galacifolia | M | M | M | 5.0 - 6.0 |
| Pansy | Viola species | M | M | M | 6.0 - 8.0 |
| Partridgeberry | Mitchella repens | M | L | L | 5.0 - 6.0 |
| Passionflower | Passiflora species | M | M | M | 6.0 - 8.0 |
| Pentstemon | Pentstemon, many species | M | M | M | 6.0 - 8.0 |
| Peony | Paeonia species | M | M | M | 6.0 - 8.0 |
| Petunia | Petunia hybrida | H | H | H | 6.0 - 8.0 |
| Phlox, Annual | Phlox drummondii | H | H | H | 6.0 - 8.0 |
| Phlox, Creeping | Phlox stolonifera | M | M | M | 5.0 - 6.0 |
| Phlox, Garden | Phlox paniculata | M | M | M | 6.0 - 8.0 |
| Pink | Dianthus, many species | M | M | M | 6.0 - 8.0 |
| Poinsettia | Euphorbia pulcherrima | M | M | M | 6.0 - 8.0 |
| Poppy | Papaver species | L | L | L | 6.0 - 8.0 |
| Prairie Gentian | Eustoma russellianum | M | M | M | 6.0 - 8.0 |
| Primrose | Primula, many species | M | M | M | 6.0 - 8.0 |
| Rose | Rosa, many species | M | M | M | 6.0 - 8.0 |
| Rose Mallow | Hibiscus, many species | M | M | M | 6.0 - 8.0 |
| Sage | Salvia, many species | M | M | M | 6.0 - 7.0 |
| Sandwort | Arenaria | M | M | M | 4.5 - 5.5 |
| Saxifrage | Saxifraga, many species | M | M | M | 6.0 - 8.0 |
| Selaginella, Rock | Selaginella rupestris | M | M | M | 6.0 - 7.0 |
| Shooting Star | Dodecatheon species | M | M | M | 6.0 - 8.0 |
| Snapdragon | Antirrhinum | H | H | H | 6.0 - 7.0 |
| Snowdrop | Galanthus nivalis | M | M | M | 6.0 - 8.0 |
| Solomon Seal | Polygonatum species | M | M | M | 6.0 - 8.0 |
| Speedwell | Veronica, many species | M | M | M | 6.0 - 8.0 |
| Spiderwort | Tradescantia, many species | M | M | M | 6.0 - 8.0 |
| Spring Beauty, Carolina | Claytonia caroliniana | M | M | M | 5.0 - 6.0 |
| Squill | Scilla species | M | M | M | 6.0 - 8.0 |
| Star of Bethlehem | Ornithogalum species | M | M | M | 6.0 - 8.0 |
| Stock | Mathiola incana var. annv. | H | H | H | 6.0 - 7.0 |
| Stonecrop | Sedum, many species | M | M | M | 6.0 - 8.0 |
| Sunflower | Helianthus, many species | M | M | M | 6.0 - 8.0 |
| Sunrose, Rockrose | Helianthemum chamaecistus | M | M | M | 6.0 - 7.0 |
| Tobacco, flowering | Nicotiana species | H | H | H | 5.5 - 7.5 |
| Trillium, Painted | Trillium undulatum | M | M | M | 4.0 - 5.0 |
| Trillium, Rose | Trillium stylosum | M | M | M | 6.0 - 7.0 |
| Trillium, Snow | Trillium grandiflorum | M | M | M | 6.0 - 7.0 |
| Trout Lily | Erythronium species | M | M | M | 6.0 - 8.0 |
| Tulip | Tulipa species | M | M | M | 6.0 - 7.0 |
| Turtlehead | Chelone species | M | M | M | 5.0 - 6.0 |
| Twingleaf | Jeffersonia diphylla | M | M | M | 6.0 - 8.0 |
| Umbrella Leaf | Diphylleia cymosa | M | M | M | 5.0 - 6.0 |
| Verbena | Verbena species | M | M | M | 6.0 - 8.0 |
| Violet | Viola, many species | M | M | M | 6.0 - 8.0 |
| Violet, Birdsfoot | Viola pedata | M | M | M | 5.0 - 6.0 |
| Wild Indigo, Yellow | Baptisia tinctoria | M | M | M | 5.0 - 6.0 |
| Wild Ginger, Heartleaf | Asarum virginicum | M | M | M | 5.0 - 6.0 |
| Wild Ginger, Mottled | Asarum shuttleworthii | M | M | M | 4.0 - 5.0 |
| Wormwood | Artemisia species | M | M | M | 6.0 - 8.0 |
| Yellowroot | Zanthorhiza apiifolia | M | M | M | 5.0 - 6.0 |

| Common Name | Species | Nitrogen | Phosphorus | Potassium | pH |
|-------------|---------------------|----------|------------|-----------|-----------|
| Yucca | Yucca, many species | M | M | M | 6.0 - 8.0 |
| Zinnia | Zinnia elegans | H | H | H | 6.0 - 8.0 |

Lawns

| Common Name | | Nitrogen | Phosphorus | Potassium | pH |
|--------------------|--|----------|------------|-----------|-----------|
| Bentgrass | | M | M | M | 5.5 - 6.5 |
| Bermuda Grass | | M | M | M | 6.0 - 7.0 |
| Fescues | | M | M-L | L | 5.0 - 6.5 |
| Kentucky Bluegrass | | H | M | M | 6.0 - 6.5 |
| Perennial Rye | | M | M | M | 5.5 - 7.0 |
| Zoysia Grass | | M | M | M | 6.0 - 7.0 |



FRUITS & VEGETABLES

| Common Name | Species | Nitrogen | Phosphorus | Potassium | pH |
|------------------|-------------------------------|----------------------------|-----------------------------|-----------------------------|-----------|
| Alfalfa | Medicago sativa | L | H | H | 6.0 - 7.0 |
| Almond | Amygdalus, named varieties | M | L | L | 6.0 - 8.0 |
| American Plum | Prunus americana | M | L | L | 6.0 - 8.0 |
| Apple | Malus species | M | L | L | 5.5 - 6.5 |
| Asparagus | Asparagus species | VH | H | VH | 6.0 - 7.0 |
| Avocado | Persea americana | M | M | M | 6.0 - 8.0 |
| Bean | Phaseolus, many species | L | M | M | 6.0 - 7.5 |
| Bean, Lima | Phaseolus lunatus macrocarpus | L | M | M | 5.5 - 6.5 |
| Beet | Beta vulgaris | Early: VH Late: H | Early: VH Late: VH | Early: VH Late: H | 5.8 - 7.0 |
| Blackberry | Rubus, named species & var. | L | L | L | 6.0 - 8.0 |
| Blueberry | Vaccinium | L | L | L | 5.0 - 6.0 |
| Broccoli | Brassica oleracea botrytis | H | H | H | 6.0 - 7.0 |
| Brussel Sprouts | Brassica | H | H | H | 6.0 |
| Cabbage | Brassica oleracea | Early: VH Late: H | Early: VH Late: H | Early: VH Late: H | 6.0 - 7.0 |
| Cantaloupe | Cucumis melo | H | H | H | 6.0 - 8.0 |
| Carrot | Daucus carota | Early: H Late: M | Early: H Late: M | Early: H Late: M | 5.5 - 6.5 |
| Cauliflower | Brassica oleracea botrytis | Early: VH Late: H | Early: VH Late: H | Early: VH Late: H | 6.0 - 7.0 |
| Celery | Apium graveolens | Early: VH Late: H | Early: VH Late: VH | Early: VH Late: VH | 6.0 - 6.5 |
| Cherry | Prunus species | M | L | L | 6.0 - 8.0 |
| Chive | Allium schoenoprasum | M | M | M | 6.0 - 7.0 |
| Corn, Indian | Zea mays | H | H | H | 6.0 - 7.0 |
| Cucumber | Cucumis sativus | H | H | H | 6.0 - 8.0 |
| Currant | Ribes, many species | M | M | M | 6.0 - 8.0 |
| Eggplant, Common | Solanum melongena | H | H | H | 6.0 - 7.0 |
| Grape | Vitis, some species | M | M | M | 6.0 - 8.0 |
| Grapefruit* | Citrus grandis | H | H | H | 5.0 - 7.0 |
| Hazelnut, Beaked | Corylus rostrata | M | L | L | 6.0 - 7.0 |
| Horseradish | Radicula armoracia | M | M | M | 6.0 - 8.0 |
| Huckleberry | Gaylussacia | M | M | L | 5.0 - 6.0 |
| Kale | Brassica oleracea acephala | H | M | M | 5.0 - 8.0 |
| Leek | Allium porrum | M | M | M | 6.0 - 8.0 |
| Lemon* | Citrus limonia | M | M | L | 5.5 - 7.0 |

*Become chlorotic at 7.5 to 8.0 and soil must then be acidified.

| Common Name | Species | Nitrogen | Phosphorus | Potassium | pH |
|-----------------|----------------------------------|----------------------------|-----------------------------|-----------------------------|------------------------------|
| Lettuce, Garden | Lactuca sativa | Head: VH Leaf: H | Head: VH Leaf: VH | Head: VH Leaf: VH | 6.0 - 7.0 |
| Marjoram | Origanum species | M | M | M | 6.0 - 8.0 |
| Mint | Mentha, many species | M | M | M | 6.0 - 8.0 |
| Muskmelon | Cucumis melo | H | H | H | 6.0 - 7.0 |
| Okra | Hibiscus esculentus | H | H | H | 6.0 - 8.0 |
| Onion | Allium, many species | H | H | H | 6.0 - 7.0 |
| Orange* | Citrus Sinensis | H | H | H | 5.0 - 7.0 |
| Parsley | Petroselinum hortense | M | M | M | 5.0 - 7.0 |
| Pea, Common | Pisum stivum | M | H | H | 6.0 - 8.0 |
| Peach | Amygdalus species | M | L | M | 6.0 - 8.0 |
| Peanut | Arachis hypogaea | M | M | M | 5.0 - 6.0 |
| Pear | Pyrus species | M | L | L | 6.0 - 8.0 |
| Pecan | Carya illinoensis | M | M | L | 6.0 - 7.0 |
| Pepper | Piper species | H | H | H | 6.0 - 6.5 |
| Plum, Common | Prunus domestica | M | M | L | 6.0 - 8.0 |
| Potato | Papaver species | Early: VH Late: H | Early: VH Late: VH | Early: VH Late: VH | 6.0 - 8.0 |
| Potato, Sweet | (according to variety) | L | M | H | 5.0 - 6.0 or 6.0 - 7.0 |
| Pumpkin | | M | M | M | |
| Radish | Raphanus sativus | H | VH | VH | 5.0 - 6.0 |
| Raspberry | Rubus idaeus | L | L | L | 5.0 - 6.0 |
| Rhubarb | Rheum species | H | H | H | 5.0 - 7.0 |
| Rutabaga | Brassica napus | L | H | M | 5.0 - 6.0 |
| Rye | Secale cereale | M | L | L | 6.0 - 7.0 |
| Sorrel, French | Rumex scutatus | M | M | M | 6.0 - 7.0 |
| Spinach, Common | Spinacia oleracea | VH | VH | VH | 6.4 - 7.0 |
| Squash | Cucurbita maxima | Early: H Late: M | Early: H Late: M | Early: H Late: M | 6.0 - 8.0 |
| Strawberries** | Fragaria Species | M | M | L | 5.0 - 6.0 |
| Tomato | Lycopersicum esculentum | Early: M Late: H | Early: H Late: H | Early: H Late: H | 6.0 - 7.0 |
| Turnip | Brassica rapa | L | H | M | 6.0 - 8.0 |
| Walnut | Juglans, many species | M | M | L | 6.0 - 8.0 |
| Watercress | Radicula nasturtium aquaticum | M | M | M | 6.0 - 8.0 |
| Watermelon | Citrillus vulgaris | M | M | M | 6.0 - 7.0 |
| Wheat | Triticum aestivum | M | M | M | 6.0 - 7.0 |

*Become chlorotic at 7.5 or 8.0, and soil must then be acidified.

**Some 6.0-7.0; some Florida - Texas varieties = 7.0 - 8.0.



TREES, SHRUBS, & GROUND COVERS

| Common Name | Species | Nitrogen | Phosphorus | Potassium | pH |
|----------------------|--|----------|------------|-----------|-----------|
| Abelia | Abelia species | M | M | L | 6.0 - 8.0 |
| Andromeda | Pieris | M | M | M | 5.0 - 6.0 |
| Alder | Alnus species | M | L | L | 5.5 - 6.5 |
| Arborvitae | Thuja, many species | L | L | L | 6.0 - 8.0 |
| Ash | Fraxinus, many species | M | L | L | 6.0 - 8.0 |
| Azalea | Azalea | M | L | L | 5.0 - 6.0 |
| Bald Cypress, Common | Texodium distichum | L | L | L | 6.0 - 8.0 |
| Barberry | Berberis species | M | M | L | 6.0 - 8.0 |
| Bayberry | Myrica | L | L | L | 5.0 - 6.0 |
| Beach Plum | Prunus maritima | M | L | L | 6.0 - 8.0 |
| Beauty Berry | Callicarpa, many species | M | L | L | 6.0 - 7.0 |
| Beech | Fagus, named species & varieties | M | L | L | 6.0 - 7.0 |
| Birch | Betula species | M | L | L | 5.0 - 6.0 |
| Bittersweet | Celastrus species | M | M | L | 5.5 - 6.5 |
| Bog Rosemary | Andromeda | M | M | L | 4.0 - 5.0 |
| Boxwood | Buxus sempervirens | L | L | L | 6.0 - 8.0 |
| Broom, Scotch | Cytisus scoparius | M | M | L | 5.0 - 6.0 |
| Buckeye | Aesculus species | M | M | L | 6.0 - 8.0 |
| Buckthorn | Rhamnus species | M | L | L | 6.0 - 8.0 |
| Butterfly Bush | Buddleia species | M | M | M | 6.0 - 8.0 |
| Camellia | Many species | M | L | M | 4.0 - 5.5 |
| Cape Jasmine | Gardenia species | M | M | M | 6.0 - 8.0 |
| Carolina Jessamine | Gelsemium sempervirens | M | M | M | 5.0 - 6.0 |
| Catalpa | Catalpa, many species | M | L | L | 6.0 - 8.0 |
| Chaste Tree | Vitex agnus-castus | M | M | M | 6.0 - 7.0 |
| Cherry | Prunus species | M | L | L | 6.0 - 8.0 |
| Chestnut, American | Castanea dentata | M | L | L | 5.0 - 6.0 |
| Chestnut Oak | Quercus prinus | M | L | L | 5.5 - 6.5 |
| Chinese Scholar Tree | Sophora japonica | M | L | L | 6.0 - 7.0 |
| Chokeberry | Aronia | M | M | L | 5.0 - 6.0 |
| Clematis | Clematis, many species | M | M | M | 6.0 - 8.0 |
| Clethra | Clethra, many species | M | M | L | 5.0 - 6.0 |
| Coffee | Coffea arabica | M | M | M | 5.0 - 6.0 |
| Colorado Spruce | Picea pungens and varieties | L | L | L | 6.0 - 7.0 |
| Cotoneaster | Cotoneaster species | M | M | L | 6.0 - 8.0 |
| Cypress | Chamaecyparis, named species & varieties | L | L | L | 5.0 - 6.0 |
| Daphne, Winter | Daphne odora | M | M | L | 5.0 - 6.0 |
| Daphne, February | Daphne mezereum | M | M | L | 7.0 - 8.0 |
| Deutzia | Deutzia species | M | M | L | 6.0 - 8.0 |
| Dogwood | Cornus, many species | M | L | L | 6.0 - 8.0 |
| Douglas Fir | Pseudotsuga douglasii | L | L | L | 6.0 - 7.0 |
| Dutchman's Pipe | Aristolochia californica | M | M | M | 6.0 - 8.0 |
| Elaeagnus | Elaeagnus, many species | M | M | L | 6.0 - 8.0 |
| Elder | Sambucus, many species | M | L | L | 6.0 - 8.0 |
| Elm | Ulmus species | M | L | L | 6.0 - 8.0 |

| Common Name | Species | Nitrogen | Phosphorus | Potassium | pH |
|--|-------------------------------------|----------|------------|-----------|-----------|
| English Ivy | Hedera helix | M | M | M | 6.0 - 8.0 |
| Eucalyptus | Eucalyptus species | M | M | M | 6.0 - 8.0 |
| Euonymus | Euonymus species | M | M | L | 6.0 - 7.0 |
| European Mountain Ash | Sorbus aucuparia | M | L | L | 6.0 - 8.0 |
| European Turkey Oak | Quercus cerris | M | L | L | 6.0 - 8.0 |
| False Spirea | Sorbaria, named species & varieties | M | M | L | 6.0 - 8.0 |
| Fir | Abies, named species & var. | L | L | L | 5.0 - 6.0 |
| Firethorn | Pyracantha species | M | M | L | 6.0 - 8.0 |
| Flowering Quince | Chaenomeles japonica & varieties | M | M | L | 6.0 - 8.0 |
| Forsythia | Forsythia species | M | M | L | 6.0 - 8.0 |
| Fothergilla | Fothergilla gardeni | M | M | L | 5.0 - 6.0 |
| Franklinia | Franklinia alatamaha | M | L | L | 5.0 - 6.0 |
| Fringe Tree, White | Chionanthus virginicus | M | L | L | 5.0 - 6.0 |
| Gardenia | Gardenia jasminoides | M | M | M | 5.5 - 6.5 |
| Ground Cedar/ Ground Pine | Lycopodium species | M | M | M | 5.0 - 6.0 |
| Haw, Possum | Ilex decidua | M | L | L | 7.0 - 8.0 |
| Hawthorn | Crataegus, many species | M | M | L | 6.0 - 8.0 |
| Heath | Ericaceae | M | M | L | 5.0 - 6.0 |
| Heather | Calluna vulgaris | M | M | L | 5.0 - 6.0 |
| Hemlock | Tsuga species | L | L | L | 5.0 - 6.0 |
| Holly | Ilex many species | L | L | L | 5.0 - 6.0 |
| Honey Locust | Gleditsia tricanthos | M | L | L | 6.0 - 8.0 |
| Honeysuckle | Lonicera, many species | M | M | M | 6.0 - 8.0 |
| Hornbeam | Carpinus, many species | M | L | L | 6.0 - 8.0 |
| Hydrangea* | Hydrangea Species | M | M | M | 6.0 - 8.0 |
| <i>*Some plants yield blue flowers in acid soils, and pink flowers in neutral soils.</i> | | | | | |
| Juniper | Juniperus, many species | L | L | L | 5.5 - 7.0 |
| Kalmia, Bog | Kalmia polifolia | M | M | L | 4.0 - 5.0 |
| Kentucky Coffee | Gymnocladus dioica | M | L | L | 6.0 - 8.0 |
| Kerria | Kerria, many species | M | M | L | 6.0 - 8.0 |
| Laburnum | Laburnum species | M | M | L | 6.0 - 8.0 |
| Larch | Larix, many species | L | L | L | 5.5 - 6.5 |
| Leucothoe | Leucothoe | M | M | L | 5.0 - 6.0 |
| Lilac | Syringa species | M | M | M | 6.0 - 8.0 |
| Linden | Tilia species | M | M | L | 6.0 - 8.0 |
| Locust | Robinia, named species & varieties) | M | L | L | 6.0 - 8.0 |
| Magnolia | Magnolia (excepting M.glauca) | M | L | L | 5.0 - 6.0 |
| Maidenhair Tree | Ginkgo biloba | M | L | L | 6.0 - 7.0 |
| Maple | Acer, many species | M | L | L | 6.0 - 8.0 |
| Mock Orange | Philadelphus, many species | M | M | L | 6.0 - 8.0 |
| Mountain Ash, American | Sorbus americana | M | L | L | 4.0 - 5.0 |
| Mountain Laurel | Kalmia latifolia | M | M | L | 5.0 - 6.0 |
| Mulberry | Morus (named species & var.) | M | L | L | 6.0 - 8.0 |
| Ninebark | Physocarpus species | M | M | L | 6.0 - 8.0 |
| Oak, Black | Quercus velutina | M | L | L | 6.0 - 7.0 |
| Oak, Blackjack | Quercus marilandica | M | L | L | 5.0 - 6.0 |
| Oak, Pin | Quercus palustris | M | L | L | 6.0 - 7.0 |
| Oak, Post | Quercus stellata | M | L | L | 5.0 - 6.0 |
| Oak, Red | Quercus rubra | M | L | L | 6.0 - 7.0 |
| Oak, Scarlet | Quercus coccinea | M | L | L | 6.0 - 7.0 |

| Common Name | Species | Nitrogen | Phosphorus | Potassium | pH |
|-----------------------|--------------------------------------|----------|------------|-----------|-----------|
| Oak, Scrub | Quercus ilicifolia | M | L | L | 4.0 - 5.0 |
| Oak, Southern Red | Quercus falcata | M | L | L | 5.0 - 6.0 |
| Oak, Swamp White | Quercus bicolor | M | L | L | 6.0 - 8.0 |
| Oak, Willow | Quercus phellos | M | L | L | 5.0 - 6.0 |
| Orange Hollygrape | Mahonia aquifolium | M | L | L | 6.0 - 8.0 |
| Pachysandra, Japanese | Pachysandra terminalis | M | M | L | 5.0 - 8.0 |
| Paulownia | Paulownia tomentosa | M | L | L | 6.0 - 8.0 |
| Periwinkle | Vinca, named species & var. | H | H | H | 6.0 - 8.0 |
| Pine | Pinus (many but not all species) | L | L | L | 5.0 - 6.0 |
| Plane Tree | Plataus, named species & varieties | M | L | L | 6.0 - 8.0 |
| Poplar | Populus, named species & varieties | M | L | L | 6.0 - 8.0 |
| Privet | Ligustrum species | M | M | L | 6.0 - 8.0 |
| Purpleleaf Plum | Prunus cerasifera pissardi | M | M | L | 6.0 - 8.0 |
| Red Bud | Cercis species | M | L | L | 6.0 - 8.0 |
| Red Cedar | Juniperus virginiana & var. | L | L | L | 6.0 - 7.0 |
| Rhododendron | Rhododendron | M | M | M | 5.0 - 6.0 |
| Rhodora | Rhodora canadensis | M | M | M | 5.0 - 6.0 |
| Running Pine | Lycopodium clavatum | M | L | L | 5.0 - 6.0 |
| Sassafras | Sassafras variifolium | M | L | L | 6.0 - 7.0 |
| Shadblow | Amelanchier | M | L | L | 6.0 - 7.0 |
| Shagbark Hickory | Hicoria ovata | M | L | L | 6.0 - 7.0 |
| Silver Bell | Halesia varieties | M | M | L | 5.0 - 6.0 |
| Snowbell, American | Styrax americana | M | M | L | 5.0 - 6.0 |
| Snowberry | Symphoricarpos species | M | M | L | 6.0 - 8.0 |
| Sourwood | Oxydendron arboreum | M | M | L | 4.0 - 8.0 |
| Spicebush | Benzoin aestivale | M | M | L | 5.5 - 6.5 |
| Spirea | Spirea, many species | M | M | L | 6.0 - 8.0 |
| Spruce | Picea | L | L | L | 5.0 - 6.0 |
| Stewartia | Stewartia species | M | M | L | 5.0 - 6.0 |
| St. Johns Wort | Hypericum, many species | M | M | L | 6.0 - 8.0 |
| Sumac | Rhus, many species | M | L | L | 6.0 - 8.0 |
| Sweet Bay | Magnolia glauca | M | M | L | 4.0 - 5.0 |
| Sweet Gum | Liquidambar styraciflua | M | L | L | 6.0 - 8.0 |
| Sweet Shrub | Calycanthus species | M | M | L | 6.0 - 8.0 |
| Sweet Spire | Itea virginica | M | M | L | 6.0 - 7.0 |
| Tamarix | Tamarix (named species & var.) | M | M | L | 6.0 - 8.0 |
| Trailing Arbutus | Epigaea repens | M | M | M | 4.0 - 5.0 |
| Trumpet Creeper | Bignonia species | M | M | M | 6.0 - 8.0 |
| Tulip Tree | Liriodendron tulipifera | M | L | L | 6.0 - 7.0 |
| Tupelo | Nyssa sylvatica | M | L | L | 6.0 - 7.0 |
| Viburnum | Viburnum, many species | M | M | L | 6.0 - 8.0 |
| White Cedar | Chamaecyparis thyoides | L | L | L | 6.0 - 7.0 |
| White Oak | Quercus alba | M | L | L | 4.0 - 5.0 |
| Willow | Salix, many species | M | L | L | 6.0 - 8.0 |
| Wintergreen | Gaultheria procumbens | M | M | M | 5.0 - 6.0 |
| Winter Jasmine | Jasminum nudiflorum | M | M | M | 6.0 - 8.0 |
| Wisteria | Wisteria species | M | M | L | 6.0 - 8.0 |
| Witch Hazel | Hamamelis, named species & varieties | M | M | L | 6.0 - 7.0 |
| Withe Rod, Smooth | Viburnum nudum | M | M | L | 5.0 - 6.0 |
| Woodbine | Lonecera periclymenum | M | M | L | 6.0 - 7.0 |
| Yellow Wood | Cladrastis kentukea | M | L | L | 6.0 - 8.0 |
| Yew | Taxus, many species | L | L | L | 5.5 - 7.0 |