



# plants for challenging sites

## Plants Tolerant of Moist Soil (Soil does not dry out)

### PERENNIALS

Anemone ☀️🌿  
 Astilbe 🌿  
 Baptisia ☀️🌿  
 Bee Balm\* ☀️🌿  
 Bergenia 🌿☀️  
 Bleeding Heart ☀️🌿  
 Brunnera 🌿☀️  
 Daylily ☀️🌿  
 Fairy Bells,  
 Variegated 🌿☀️  
 Fern 🌿☀️  
 Foamflower 🌿☀️  
 Foxglove ☀️🌿  
 Goat's Beard ☀️🌿  
 Grass,  
 Perennial (SV) ☀️🌿  
 Hibiscus ☀️  
 Hosta 🌿☀️  
 Iris, Siberian ☀️  
 Jacob's Ladder ☀️🌿  
 Joe Pye\* ☀️🌿  
 Lady's Mantle ☀️🌿  
 Liatris ☀️🌿  
 Ligularia 🌿

### PERENNIALS (continued)

Lychnis ☀️🌿  
 Obedient Plant ☀️🌿  
 Pulmonaria 🌿☀️  
 Solomon's Seal 🌿☀️  
 Spiderwort ☀️🌿  
 Turtlehead ☀️🌿

### GROUND COVER

Bunchberry 🌿☀️  
 Houttuynia ☀️🌿☀️  
 Liriope ☀️🌿☀️  
 Snow on the Mountain ☀️🌿☀️  
 Sweet Woodruff 🌿☀️

### VINES

Hydrangea, Climbing ☀️🌿☀️

### TREES

Amelanchier ☀️🌿  
 Baldcypress\* ☀️  
 Birch, River\* ☀️  
 Catalpa ☀️  
 Dawn Redwood ☀️  
 Magnolia ☀️🌿  
 Maple, Red ☀️  
 Planetree\* ☀️  
 Tamarak\* ☀️  
 Willow\* ☀️

### SHRUBS

Althea ☀️🌿  
 Amelanchier ☀️🌿  
 Arborvitae ☀️  
 Aronia ☀️🌿  
 Azalea (Deciduous) ☀️🌿  
 Clethra ☀️🌿☀️  
 Dogwood\* ☀️🌿  
 Holly, Winterberry\* ☀️🌿  
 Potentilla ☀️  
 Sweetshrub ☀️🌿  
 Sweetspire ☀️🌿  
 Viburnum, Cranberry ☀️🌿  
 Willow\* ☀️

(B) = Biennial

(SV) = Select Varieties

\* Tolerates Standing Water

# Plants Tolerant of Dry Conditions

## (Once established)

### PERENNIALS

Agastache ☀  
 Armeria ☀  
 Artemisia ☀☿  
 Aster ☀  
 Baby's Breath ☀  
 Bachelor Button ☀  
 Barrenwort ☿☀  
 Candytuft ☿☿  
 Coneflower ☀  
 Coral Bells ☿☿  
 Coreopsis ☀  
 Cupid's Dart ☀  
 Daylily ☿☿  
 Dianthus ☀  
 Evening Primrose ☿☿☿  
 Gaillardia ☀  
 Gaura ☀  
 Geranium ☿☿  
 Grass,  
   Perennial (SV) ☿☿  
 Iris, German Bearded ☿☿  
 Jupiter's Beard ☿☿  
 Lamb's Ear ☀  
 Lavender ☀  
 Liatris ☿☿  
 Lily ☿☿  
 Lychnis ☿☿  
 Milk Weed,  
   Butterfly Flower ☿  
 Obedient Plant ☿☿  
 Oregano, Ornamental ☿☿  
 Penstemon ☿☿  
 Pincushion ☿☿  
 Poker Plant ☀  
 Pulmonaria ☿☿☿  
 Rudbeckia ☿☿  
 Russian Sage ☿  
 Salvia ☀  
 Sedum ☿☿☿

### PERENNIALS (continued)

Snow in Summer ☿  
 Spurge ☿  
 Stokes' Aster ☿☿☿  
 Sunflower ☿  
 Yarrow ☿  
 Yucca ☿  
  
**GROUND COVER**  
 Ajuga ☿☿  
 Bearberry ☿  
 Hens and Chicks ☿  
 Ice Plant ☿  
 Ivy, English ☿☿☿  
 Lamium ☿☿☿  
 Lily of the Valley ☿☿☿  
 Liriope ☿☿☿  
 Myrtle ☿☿☿  
 Pachysandra ☿☿☿  
 Phlox, Creeping ☿  
 Plumbago ☿☿  
 Sedum ☿  
 Snow on the Mountain ☿☿☿☿  
 Thyme ☿

### VINES

Akebia ☿☿☿☿  
 Dutchman's Pipe ☿☿  
 Hydrangea, Climbing ☿☿☿☿  
 Ivy (Deciduous) ☿☿☿☿  
 Silver Lace Vine ☿☿  
 Trumpet Vine ☿

### TREES

Catalpa ☿  
 Fir, Concolor ☿☿  
 Honeylocust ☿  
 Maple, Norway ☿  
 Peashrub, Siberian ☿  
 Pine ☿

### SHRUBS & EVERGREENS

Abelia ☿☿  
 Aronia ☿☿  
 Barberry ☿  
 Bayberry ☿  
 Buckthorn ☿☿  
 Cotoneaster ☿☿  
 Cypress, Siberian ☿☿  
 Honeysuckle ☿☿  
 Hypericum ☿☿  
 Juniper ☿  
 Kerria ☿☿☿  
 Pine, Mugo ☿  
 Potentilla ☿  
 Privet ☿  
 Sumac ☿

☿ **SUN** – These plants need at least 8 hours of direct sunlight.

☿☿ **PARTIAL SHADE** – These plants need a minimum of 4 hours of direct sunlight and maximum of 8 hours. Avoid hot afternoon sunlight.

☿☿☿ **SHADE** – These plants need less than 4 hours of direct sunlight. Avoid hot afternoon sunlight.

☿☿☿☿ **SUN-SHADE** – These plants can be grown in any light situation.

# Plants Tolerant of Partial Shade to Shade Conditions

## PERENNIALS

Astilbe ☼  
Barrenwort ☼☼  
Bergenia ☼☼  
Bleeding Heart ☼☼  
Brunnera ☼☼  
Coral Bells ☼☼  
Corydalis ☼☼  
Fern ☼☼  
Foamflower ☼☼  
Foxglove ☼☼  
Geranium ☼☼  
Goat's Beard ☼☼  
Grass, Hakonechloa ☼  
Helleborus ☼  
Heucherella ☼  
Hosta ☼☼  
Jacob's Ladder ☼☼  
Ligularia ☼  
Pulmonaria ☼☼  
Shamrock, Strawberry ☼☼☼  
Spiderwort ☼☼  
Toad Lily ☼☼  
Turtlehead ☼☼  
Viola ☼☼

## GROUND COVER

Ajuga ☼☼  
Bunchberry ☼☼☼  
Houttuynia ☼☼  
Iris, Dwarf, Crested ☼☼  
Ivy, English ☼☼☼  
Lamiastrum ☼☼☼  
Lamium ☼☼☼  
Lily of the Valley ☼☼☼  
Liriope ☼☼☼  
Moss ☼☼☼  
Myrtle ☼☼☼  
Pachysandra ☼☼☼  
Snow on the Mountain ☼☼☼☼  
Sweet Woodruff ☼☼☼

## VINES

Akebia ☼☼☼  
Clematis ☼☼  
Dutchman's Pipe ☼☼  
Honeysuckle ☼☼  
Hydrangea, Climbing ☼☼☼☼  
Ivy, Deciduous ☼☼☼☼  
Porcelian Berry, Variegated ☼☼  
Silver Lace Vine ☼☼

## TREES

Althea Tree ☼☼  
Amelanchier ☼☼  
Beech ☼☼  
Catalpa ☼☼  
Dogwood, Flowering ☼☼  
Hornbeam ☼☼  
Hydrangea Tree ☼☼  
Magnolia ☼☼  
Maple, Japanese (SV) ☼☼☼  
Mulberry, Weeping ☼☼  
Redbud ☼☼  
Viburnum Tree ☼☼

## SHRUBS

Abelia ☼☼  
Althea ☼☼  
Amelanchier ☼☼  
Aronia ☼☼  
Azalea, Deciduous ☼☼☼  
Bayberry ☼☼  
Buckthorn ☼☼  
Clethra ☼☼☼  
Cotoneaster ☼☼  
Currant ☼☼☼  
Deutzia ☼☼  
Diervilla ☼☼  
Dogwood ☼☼

## SHRUBS (Continued)

Fothergilla ☼☼  
Holly, Winterberry ☼☼  
Honeysuckle ☼☼  
Hydrangea ☼☼  
Hypericum ☼☼  
Kerria ☼☼☼  
Mockorange ☼☼  
Privet (SV) ☼☼  
Spirea (SV) ☼☼  
Sumac, Fragrant ☼☼☼☼  
Sweetshrub ☼☼☼  
Sweetspire ☼☼  
Viburnum ☼☼  
Weigela (SV) ☼☼

## BROADLEAF EVERGREENS

Azalea ☼  
Boxwood ☼  
Euonymus ☼  
Holly ☼  
Pieris ☼  
Rhododendron ☼

## EVERGREENS

Cypress (SV) ☼☼  
Dawn Redwood, Gold Rush ☼☼  
Fir ☼☼  
Hemlock ☼☼  
Spruce, Serbian ☼☼☼  
Yew ☼☼☼

## Plants Tolerant of Clay Soils (With proper planting techniques)

### PERENNIALS

Anemone ☀️  
 Aster ☀️  
 Bee Balm ☀️  
 Coneflower ☀️  
 Cupid's Dart ☀️  
 Daylily ☀️  
 Foxglove ☀️  
 Goat's Beard ☀️  
 Grass, Perennial ☀️  
 Jacob's Ladder ☀️  
 Jupiter's Beard ☀️  
 Lady's Mantle ☀️  
 Lamb's Ear ☀️  
 Liatris ☀️  
 Ligularia  
 Rudbeckia ☀️

### GROUND COVER

Ajuga ☀️  
 Ivy, English 🌿☀️  
 Lamium ☀️  
 Toadflax ☀️

### TREES

Baldcypress ☀️  
 Crab ☀️  
 Honeylocust ☀️  
 Maple, Red-Hybrid ☀️  
 Oak, Swamp White ☀️  
 Pear (ornamental) ☀️  
 Spruce ☀️  
 Willow ☀️

### SHRUBS

Aronia ☀️  
 Barberry ☀️  
 Burning Bush ☀️  
 Dogwood ☀️  
 Forsythia ☀️  
 Lilac ☀️  
 Privet ☀️  
 Spirea ☀️  
 Viburnum ☀️  
 Willow ☀️

### EVERGREENS

Arborvitae ☀️  
 Juniper ☀️

## Plants for Acidic Soils

### PERENNIALS

Astilbe 🌿  
 Baptisia\* ☀️  
 Columbine ☀️  
 Fern 🌿☀️  
 Grass, Perennial,  
 Bamboo\* ☀️  
 Lily\* ☀️  
 Lupine\* ☀️  
 Milk Weed,  
 Butterfly Flower\* ☀️

### GROUND COVER

Bearberry\* ☀️  
 Ivy, English\* 🌿☀️  
 Lily of the Valley 🌿☀️  
 Pachysandra\* 🌿☀️  
 Sweet Woodruff\* 🌿☀️

### VINES

Hydrangea, Climbing  
 ☀️🌿☀️

### TREES

Larch ☀️  
 Maple, Red ☀️  
 Oak ☀️  
 Pine ☀️  
 Sweetgum ☀️

### SHRUBS

Blueberry ☀️  
 Clethra\* ☀️🌿☀️  
 Fothergilla ☀️  
 Holly, Winterberry ☀️  
 Hydrangea ☀️

### BROADLEAF

### EVERGREENS

Azalea 🌿  
 Holly 🌿  
 Pieris 🌿  
 Rhododendron 🌿

\*Acid-tolerant; does not require acidic soil