SHRUB GARDEN

Shrubs and Trees - Full Sun to Shade (Base Plant List 6+ hours of sun per day)
- A mix of native and non-native plant species.
- Low maintenance.
- Base plant list is tall (3 to 15 feet).
- Base list is adapted to clay or loam soils with 6-inches of infiltration or less per day. Some of the substitution plants are suited for other soil types and infiltration rates.

Substitution Codes
3 - Appropriate plant for Zone 3
5 - Appropriate plant for Zone 5
c - Change in color
d - A plant that prefers drier conditions
h - Change in height
t - Change in texture
s - Plant requires some sun

#1 Substitutions
A. Nannyberry (3, c, h)
B. Hazelnut (c, d, h, t)
C. River Birch (c, h, tree)

#2 Substitutions
A. Southern Arrowwood (c, h, t)
B. American Highbush Cranberry (3, c, h, t)

#3 Substitutions
A. Smooth Hydrangea (3, c, d, t)
B. American Highbush Cranberry ‘Compacta’ (3, c, h)

#4 Substitutions
A. Snowberry (c, d, t)
B. Rose (3, c, d, h, t)
C. Peony (c, h, t)
Native Shade Garden - Medium to Full Shade (4 hours or less of sun per day)
- All native plant species.
- This base plant design is as showy as possible for the light conditions.
- Base plant list is fairly tall (1 to 9 feet).
- Base list is adapted to clay or loam soils with 6-inches of infiltration or less per day. Some of the substitution plants are suited for other soil types and infiltration rates.

### Native Part Shade to Shade Garden Blooming Period

How the garden changes for each month

<table>
<thead>
<tr>
<th>Month</th>
<th>Substitutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>April</td>
<td>#1 Substitutions&lt;br&gt;A. Solomon’s Seal (h, t)&lt;br&gt;B. Spikenard (c, h, t)</td>
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<tr>
<td>May</td>
<td>#2 Substitutions&lt;br&gt;A. False Solomon’s Seal (h)&lt;br&gt;B. Dwarf Bush Honeysuckle (shrub)&lt;br&gt;C. Purple Daisy Aster (s)&lt;br&gt;D. Large-leaf Aster (c, h)&lt;br&gt;E. Celandine Poppy (c, h)</td>
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<tr>
<td>June</td>
<td>#3 Substitutions&lt;br&gt;A. Rose Turtlehead (c)&lt;br&gt;B. Mist Flower (s)&lt;br&gt;C. Bee Balm (5, h, s)&lt;br&gt;D. Spice Bush (shrub)&lt;br&gt;E. White Goat’s Beard (c, h, t)</td>
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<tr>
<td>July</td>
<td>#4 Substitutions&lt;br&gt;A. Sharp-lobed Hepatica (h)&lt;br&gt;B. Barren Strawberry (c, t)&lt;br&gt;C. Wild Ginger (h)&lt;br&gt;D. Sun Sedge (h, t)&lt;br&gt;E. Alum Root (t, s)</td>
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<tr>
<td>August</td>
<td>#5 Substitutions&lt;br&gt;A. Copper Iris (5, c, s)&lt;br&gt;B. Southern Blue Flag Iris (c, s)&lt;br&gt;C. Fern List Below (t)</td>
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<tr>
<td>September</td>
<td>#6 Substitutions&lt;br&gt;A. Sweet Black-eyed Susan (h, s)&lt;br&gt;B. Culver’s Root (s)&lt;br&gt;C. Fern List Below (t)</td>
</tr>
<tr>
<td>October</td>
<td>#7 Substitutions&lt;br&gt;A. Rose Turtlehead (c)&lt;br&gt;B. Palm Sedge (5, h, t)&lt;br&gt;C. Fern List Below (t)</td>
</tr>
</tbody>
</table>

### Potential Shrub Substitutions
- Black Chokeberry
- Spicebush
- Dwarf Bush Honeysuckle
- Any Viburnum Species
- Witch Hazel
- Red-osier Dogwood

### Potential Fern Substitutions
- Maidenhair Fern
- Cinnamon Fern
- Christmas Fern
- Ostrich Fern

### Substitution Codes
- 3 - Appropriate plant for Zone 3
- 5 - Appropriate plant for Zone 5
- c - Change in color
- d - A plant that prefers drier conditions
- h - Change in height
- t - Change in texture
- s - Plant requires some sun
NATIVE PRAIRIE GARDEN

Authors favorite - Full Sun (6+ hours of sun per day)
- All native plant species.
- Very showy.
- Base plant list is fairly tall (1.5 to 5 feet).
- Base list is adapted to clay or loam soils with 6-inches of infiltration or less per day. Some of the substitution plants are suited for other soil types and infiltration rates.

**#1 Substitutions**
- A. Compass Plant (c, t)
- B. Yellow Coneflower (h, t)
- C. Blue False Indigo (c, t)
- D. Big Bluestem (grass)
- E. Indian Grass (grass)
- F. Meadow Blazingstar (d, h, c)

**#2 Substitutions**
- A. Missouri Coneflower (5)
- B. Dense Blazingstar (h)
- C. Rough Blazingstar (d, h)
- D. Little Bluestem (d, t, grass)
- E. Purple Coneflower (c, t)
- F. Rattlesnake Master (t)
- G. Blue Star (3, c, h)
- H. Mist Flower (5, c, h)
- I. Showy Goldenrod (c, d, t)
- J. Black-eyed Susan (c, d)
- K. Threadleaf-tickseed (h, t)
- L. Sideoats Grama (t, grass)
- M. Prairie Dropseed (d, t, grass)

**#3 Substitutions**
- A. Joe-pye Weed (c, h)
- B. Turtlehead (d, h)
- C. Culver’s Root (c)
- D. Silky, Skyblue, or Aromatic Aster (c, d, h)

**Substitution Codes**
- 3 - Appropriate plant for Zone 3
- 5 - Appropriate plant for Zone 5
- c - Change in color
- d - A plant that prefers drier conditions
- h - Change in height
- t - Change in texture
- s - Plant requires some sun

**April**

**May**

**June**

**July**

**August**

**September**

**October**
MIXED SUNNY GARDEN

Common Garden Favorites - Full Sun (6+ hours of sun per day)
- A mix of native and non-native plant species.
- Very showy with common garden plants.
- Base plant list is fairly tall (1 to 5 feet).
- Base list is adapted to clay or loam soils with 6-inches of infiltration or less per day. Some of the substitution plants are suited for other soil types and infiltration rates.

#1 Substitutions
A. Meadow Blazingstar (3, c, d, h)
B. Big Bluestem (h, t, grass)
C. Peony (3, c, d, t)
D. Rose (3, c, d, t)
E. Red-osier Dogwood (3, c, h, t, shrub)

#2 Substitutions
A. Blue Star (3, c, h)
B. Silky, Skyblue, or Aromatic Aster (3, c, d, h)
C. Prairie Coreopsis (3, c, h, t)
D. Rattlesnake Master (3, c, d, t)
E. Indian Blanket (3, c)
F. Rough, Prairie, or Scaly Blazingstar (3, 5, c, h)
G. Russian Sage (3, c, t)
H. Little Bluestem (3, c, d, t, grass)
I. Sideoats Grama or Prairie Dropseed (3, d, t, grass)

#3 Substitutions
A. ‘Little Joe’ Joe Pye Weed (3, c, h)
B. Bee Balm (5, c, t)
C. Smooth Phlox (3, c)
D. Missouri Coneflower (5, h)
E. Spiraea (3, c, h, t, shrub)

#4 Substitutions
A. Butterfly Milkweed (3, c, d)
B. Purple Daisy Aster (5, h)
C. Harebells (3, c, d, t)
D. Prairie Smoke (3, c, h, t)
E. Creeping Juniper (3, c, d, t)
F. Wild Petunia (c, h, t)
G. Meadow Sage (3, c)

#5 Substitutions
A. Great Blue Lobelia (3, c, t)
B. Southern Blue Flag or Copper Iris (5, h)

#6 Substitutions
A. Sneezeweed (3, c, t)
B. Ox-eye Sunflower (3, c, t)
C. Culver’s Root (3, c, t)
D. Black Chokeberry (3, c, t, shrub)

#7 Substitutions
A. Soft Rush (h, t)
B. All Other Sedges (3, h, t)

Substitution Codes
3 - Appropriate plant for Zone 3
5 - Appropriate plant for Zone 5
c - Change in color
d - A plant that prefers drier conditions
h - Change in height
t - Change in texture
s - Plant requires some sun
MIXED SHADE GARDEN

Common Garden Favorites - Medium to Full Shade (4 hours of sun per day or less)
- A mix of native and non-native plant species.
- This base plant design is as showy as possible for shady conditions.
- Base plant list is fairly tall (1 to 5 feet).
- Base list is adapted to clay or loam soils with 6-inches of infiltration or less per day. Some of the substitution plants are suited for other soil types and infiltration rates.

Substitution Codes
3 - Appropriate plant for Zone 3
5 - Appropriate plant for Zone 5
c - Change in color
d - A plant that prefers drier conditions
h - Change in height
t - Change in texture
s - Plant requires some sun
BIRD AND BUTTERFLY GARDEN

Garden for our winged friends - Full Sun (6+ hours of sun per day)
- A mix of native and non-native plant species.
- Very showy.
- Base plant list is fairly tall (1.5 to 5 feet).
- Base list is adapted to clay or loam soils with 6-inches of infiltration or less per day. Some of the substitution plants are suited for other soil types and infiltration rates.

#1 Substitutions
A. Compass Plant (3, c, h)
B. Yellow Coneflower (3, c, h)
C. Ox-eye Sunflower (3, c)
D. Big Bluestem (grass)
E. Indian Grass (grass)
F. Red-osier Dogwood (3, shrub)

#2 Substitutions
A. Missouri Coneflower (5)
B. Rattlesnake Master (3, d, c, t)
C. Indian Blanket (3, c)
D. Daylily (3, c, t)
E. Smooth Phlox (c, t)
F. Mist Flower (5, c, h)
G. Showy Goldenrod (3, c, d, t)
H. Prairie Coreopsis (3, h, t)
I. Large-leaf Aster (3, shade)
J. Spikenard (3, t, shade)
K. Little Bluestem (3, d, t, grass)
L. Spicebush (5, shrub)
M. Spiraea (3, shrub)

#3 Substitutions
A. Sky Blue or Silky Aster (d, c, h)
B. ‘Little Joe’ Joe Pye Weed (3, d, c, h)
C. Sneezeweed (3, c, h, t)
D. Rough, Meadow, or Dense Blazingstar (h)
E. Aromatic Aster (c, d, h)

#4 Substitutions
A. Columbine (3, c, t)
B. Purple Prairie Clover (3, c)
C. New England Aster ‘Purple Dome’ (c, t, h)
D. Meadow Sage (5, c, h)
E. Moonshine Yarrow (3, c, t)
F. Purple Daisy Aster (c, d, h)
G. Scaly Blazingstar (5, c, h, t)

#5 Substitutions
A. Great Blue Lobelia (c)
B. Blue Flag, Southern Blue Flag, or Copper Iris (3, 5, c, h, t)
C. Sweet Black-eyed Susan (c, t)

#6 Substitutions
A. Turtlehead (3, c, h, t)
B. Joe Pye Weed (c, h, t)
C. Culver’s Root (3, c, h)
D. Greenheaded Coneflower (h)
E. Black Chokeberry (3, shrub)

#7 Substitutions
A. Rose Turtlehead (c, h, t)
B. Black-eyed Susan (3, c, h, t)

Substitution Codes
3 - Appropriate plant for Zone 3
5 - Appropriate plant for Zone 5
c - Change in color
d - A plant that prefers drier conditions
h - Change in height
t - Change in texture
s - Plant requires some sun