



# **Plant List Recommended for Landscaping and Preservation Purposes**

Designed to assist in landscaping compliance in addition to private installation

Ordinance References:

[Chapter 8. Tree Protection, Landscaping, and Screening](#)

[Chapter 12. Environmental Conservation Standards](#)

## Contents




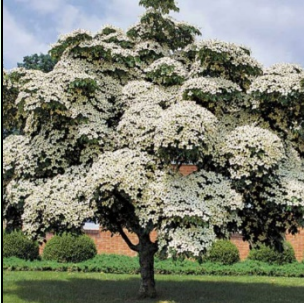
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### Definitions of Soil Moisture:


- **Hydric Wet:** plants that are frequently or occasionally flooded by water. Glazed mineral or organic soils have water extracted so slowly that the water table remains at or above the soil surface throughout the year.
- **Sub-hydric:** Permanent seepage less than 30 cm below the surface; gleied mineral or organic soils; water withdrawn gradually enough to maintain the water table at or near the surface for much of the year.
- **The Hygric:** persistent seepage and mottling; gleied (greenish-blue-grey) colors are typical; water is lost gradually enough to keep the soil moist for most of the growth season.
- **The sub-hygric:** Water was removed gradually enough to maintain soil moisture for a large portion of the growing season; below 20 cm, there may have been some brief seepage and mottling.
- **Mesic:** moisture-retaining soil that is moist and sufficient throughout the year. Soil may remain after water is withdrawn slowly compared to the supply.
- **Sub-mesic:** Water is rapidly removed relative to supply; after precipitation, it is available for a moderately brief amount of time.
- **Sub-xeric:** Seasonally damp, occasionally dry, and moist to dry. Rapid water removal relative to supply; soil remains moist for brief intervals after precipitation.
- **Xeric:** Extremely drained, dry and drought-resistant, and limited moisture retention—perhaps more than one assignment. Rapid water removal relative to supply; soil remains moist for short times after precipitation.
- **Extremely xeric:** Soil remains moist for very little time after precipitation; water is lost very quickly compared to supply.






## Small Trees (up to 25 ft)

| Scientific Name   | Common Name           | Type      | Light            | Soil Moisture     |
|---|-----------------------|-----------|------------------|-------------------|
| Amelanchier arborea<br>    | Serviceberry          | deciduous | full / part-sun  | mesic / sub-xeric |
| Aralia spinosa<br>        | Devil's walking stick | deciduous | full / part-sun  | hydric / xeric    |
| Asimina triloba<br>      | Paw paw               | deciduous | part-sun / shade | mesic / sub-xeric |
| Carpinus caroliniana<br> | American hornbeam     | deciduous | part-sun / shade | mesic / sub-xeric |




|  |                |           |                        |                       |
|--|----------------|-----------|------------------------|-----------------------|
| <p>Castanea pumila</p>          | Chinquapin     | deciduous | full sun /<br>shade    | sub-xeric /<br>xeric  |
| <p>Cercis canadensis</p>        | Eastern Redbud | deciduous | full sun /<br>shade    | mesic / xeric         |
| <p>Chionanthus virginicus</p>  | Fringe Tree    | deciduous | full-sun /<br>part-sun | mesic / xeric         |
| <p>Cornus alternifolia</p>    | Pagoda dogwood | deciduous | part-sun /<br>shade    | mesic / sub-<br>xeric |

|  |                            |                  |                            |                          |
|--|----------------------------|------------------|----------------------------|--------------------------|
| <p>Cornus florida</p>         | <p>Flowering dogwood</p>   | <p>deciduous</p> | <p>sun / shade</p>         | <p>mesic / xeric</p>     |
| <p>Crataegus phaenopyrum</p>  | <p>Washington hawthorn</p> | <p>deciduous</p> | <p>full-sun / part-sun</p> | <p>mesic / xeric</p>     |
| <p>Diospyros virginiana</p>  | <p>Persimmon</p>           | <p>deciduous</p> | <p>full-sun / part-sun</p> | <p>mesic / sub-xeric</p> |
| <p>Halesia Carolina</p>     | <p>Carolina silverbell</p> | <p>deciduous</p> | <p>full sun / shade</p>    | <p>mesic / sub-xeric</p> |




|   |                           |                  |                            |                          |
|---|---------------------------|------------------|----------------------------|--------------------------|
| <p>Hamamelis virginiana</p>    | <p>Common witch-hazel</p> | <p>deciduous</p> | <p>full sun / shade</p>    | <p>mesic / sub-xeric</p> |
| <p>Ilex opaca</p>             | <p>American holly</p>     | <p>evergreen</p> | <p>full sun / shade</p>    | <p>mesic / sub-xeric</p> |
| <p>Juniperus virginiana</p>  | <p>Red cedar</p>          | <p>evergreen</p> | <p>full-sun / part-sun</p> | <p>sub-xeric / xeric</p> |





|   |                      |                  |                                |                              |
|---|----------------------|------------------|--------------------------------|------------------------------|
| <p>Magnolia tripetala</p>    | <p>Umbrella tree</p> | <p>deciduous</p> | <p>full-sun /<br/>part-sun</p> | <p>mesic / sub-xeric</p>     |
| <p>Ostrya virginiana</p>     | <p>Hop-hornbeam</p>  | <p>deciduous</p> | <p>part-sun /<br/>shade</p>    | <p>mesic / sub-xeric</p>     |
| <p>Oxydendrum Arboreum</p>  | <p>Sourwood</p>      | <p>deciduous</p> | <p>full sun /<br/>shade</p>    | <p>sub-xeric /<br/>xeric</p> |
| <p>Ptelea trifoliata</p>   | <p>Hoptree</p>       | <p>deciduous</p> | <p>full sun /<br/>shade</p>    | <p>mesic / sub-xeric</p>     |
| <p>Prunus americana</p>    | <p>American plum</p> | <p>deciduous</p> | <p>full-sun /<br/>part-sun</p> | <p>sub-xeric /<br/>xeric</p> |







|   |                      |           |                        |                       |
|---|----------------------|-----------|------------------------|-----------------------|
| <p><i>Prunus pensylvanica</i></p>  | Pin cherry           | deciduous | full-sun /<br>part-sun | mesic / sub-<br>xeric |
| <p><i>Sassafras albidum</i></p>    | Common<br>Sassafras  | deciduous | full-sun /<br>part-sun | mesic / sub-<br>xeric |
| <p><i>Viburnum rufidulum</i></p>  | Blackhaw<br>Viburnum | deciduous | full sun /<br>shade    | mesic / xeric         |





## Large Trees (over 25ft)




| Scientific Name   | Common Name    | Type      | Light            | Soil Moisture     |
|---|----------------|-----------|------------------|-------------------|
| Acer rubrum<br>      | Red maple      | deciduous | full sun / shade | hydric / xeric    |
| Acer saccharum<br>  | Sugar maple    | deciduous | full sun / shade | mesic / sub-xeric |
| Aesculus flava<br> | Yellow buckeye | deciduous | part-sun / shade | mesic / sub-xeric |


|  |                              |                  |                                |                                |
|--|------------------------------|------------------|--------------------------------|--------------------------------|
| <p>Betula alleghaniensis</p>  | <p>Yellow birch</p>          | <p>deciduous</p> | <p>full-sun /<br/>part-sun</p> | <p>mesic / sub-<br/>xeric</p>  |
| <p>Betula lenta</p>           | <p>Sweet birch</p>           | <p>deciduous</p> | <p>full sun /<br/>shade</p>    | <p>mesic / sub-<br/>xeric</p>  |
| <p>Betula nigra</p>          | <p>River birch</p>           | <p>deciduous</p> | <p>full-sun /<br/>part-sun</p> | <p>hydric / sub-<br/>xeric</p> |
| <p>Carya cordiformis</p>    | <p>Bitternut<br/>hickory</p> | <p>deciduous</p> | <p>full sun /<br/>shade</p>    | <p>mesic / sub-<br/>xeric</p>  |

|  |                |           |                        |                       |
|--|----------------|-----------|------------------------|-----------------------|
| <p>Carya glabra</p>               | Pignut hickory | deciduous | full sun /<br>shade    | sub-xeric /<br>xeric  |
| <p>Cladrastis kentukea</p>        | Yellowwood     | deciduous | full-sun /<br>part-sun | mesic / sub-<br>xeric |
| <p>Fagus grandifolia</p>        | Beech          | deciduous | full sun /<br>shade    | mesic / sub-<br>xeric |
| <p>Liriodendron tulipifera</p>  | Tulip tree     | deciduous | full-sun /<br>part-sun | mesic / sub-<br>xeric |



|  |               |           |                     |                   |
|--|---------------|-----------|---------------------|-------------------|
| <p>Magnolia acuminata</p>       | Cucumber tree | deciduous | part-sun / shade    | mesic / sub-xeric |
| <p>Nyssa sylvatica</p>          | Black tupelo  | deciduous | full-sun / shade    | mesic / xeric     |
| <p>Platanus occidentalis</p>  | Sycamore      | deciduous | full-sun / part-sun | hydric / mesic    |
| <p>Picea rubens</p>           | Red spruce    | evergreen | full sun / shade    | mesic / sub-xeric |

|  |                     |                  |                                |                               |
|--|---------------------|------------------|--------------------------------|-------------------------------|
| <p>Prunus serotina</p>    | <p>Black cherry</p> | <p>deciduous</p> | <p>full-sun /<br/>part-sun</p> | <p>mesic / xeric</p>          |
| <p>Quercus alba</p>      | <p>White oak</p>    | <p>deciduous</p> | <p>full-sun /<br/>part-sun</p> | <p>mesic / xeric</p>          |
| <p>Quercus montana</p>  | <p>Chestnut oak</p> | <p>deciduous</p> | <p>full-sun /<br/>part-sun</p> | <p>mesic / xeric</p>          |
| <p>Quercus rubra</p>    | <p>Red oak</p>      | <p>deciduous</p> | <p>full-sun /<br/>part-sun</p> | <p>mesic / sub-<br/>xeric</p> |

|   |                             |                  |                                |                               |
|---|-----------------------------|------------------|--------------------------------|-------------------------------|
| <p>Quercus stellata</p>    | <p>Post oak</p>             | <p>deciduous</p> | <p>full-sun /<br/>part-sun</p> | <p>sub-xeric /<br/>xeric</p>  |
| <p>Tilia americana</p>     | <p>American<br/>linden</p>  | <p>deciduous</p> | <p>full sun /<br/>shade</p>    | <p>mesic / sub-<br/>xeric</p> |
| <p>Tsuga canadensis</p>  | <p>Canadian<br/>hemlock</p> | <p>evergreen</p> | <p>full sun /<br/>shade</p>    | <p>mesic / sub-<br/>xeric</p> |




|  |                         |                  |                         |                          |
|--|-------------------------|------------------|-------------------------|--------------------------|
| <p>Tsuga caroliniana</p>  | <p>Carolina hemlock</p> | <p>evergreen</p> | <p>full sun / shade</p> | <p>mesic / sub-xeric</p> |
|--|-------------------------|------------------|-------------------------|--------------------------|

### Low Shrubs (under 4 feet)




| Scientific Name   | Common Name           | Type             | Light                      | Soil Moisture            |
|---|-----------------------|------------------|----------------------------|--------------------------|
| <p>Ceanothus americanus</p>  | <p>New Jersey tea</p> | <p>deciduous</p> | <p>full-sun / part-sun</p> | <p>mesic / xeric</p>     |
| <p>Comptonia peregrina</p>   | <p>Sweet fern</p>     | <p>deciduous</p> | <p>full-sun / part-sun</p> | <p>sub-xeric / xeric</p> |











|   |                                    |                  |                                |                               |
|---|------------------------------------|------------------|--------------------------------|-------------------------------|
| <p><i>Hydrangea arborescens</i></p>    | <p>Snowhill<br/>Hydrangea</p>      | <p>deciduous</p> | <p>part-sun /<br/>shade</p>    | <p>mesic / sub-<br/>xeric</p> |
| <p><i>Hypericum prolificum</i></p>     | <p>Shrubby St.<br/>John's Wort</p> | <p>deciduous</p> | <p>full-sun /<br/>part-sun</p> | <p>hydric /<br/>xeric</p>     |
| <p><i>Leucothoe fontanesiana</i></p>  | <p>Drooping<br/>leucothoe</p>      | <p>evergreen</p> | <p>part-sun /<br/>shade</p>    | <p>mesic / sub-<br/>xeric</p> |
| <p><i>Rosa carolina</i></p>          | <p>Carolina rose</p>               | <p>deciduous</p> | <p>full-sun /<br/>part-sun</p> | <p>mesic / sub-<br/>xeric</p> |
| <p><i>Rosa palustris</i></p>         | <p>Swamp rose</p>                  | <p>deciduous</p> | <p>full-sun /<br/>part-sun</p> | <p>hydric /<br/>mesic</p>     |





|  |                        |           |                        |                   |
|--|------------------------|-----------|------------------------|-------------------|
| <p>Vaccinium macrocarpon</p>  | Cranberry              | evergreen | full-sun /<br>part-sun | hydric /<br>mesic |
| <p>Vaccinium pallidum</p>     | Lowbush<br>blueberry   | deciduous | full-sun /<br>part-sun | mesic /<br>xeric  |
| <p>Viburnum acerifolium</p>  | Maple-leaf<br>Viburnum | deciduous | full-sun /<br>part-sun | mesic /<br>xeric  |

## Medium-size Shrubs (4 to 10 feet)

| Scientific Name   | Common Name      | Type      | Light               | Soil Moisture      |
|---|------------------|-----------|---------------------|--------------------|
| Aronia arbutifolia<br>     | Red chokeberry   | deciduous | full-sun / part-sun | hydric / sub-xeric |
| Aronia melanocarpa<br>    | Black chokeberry | deciduous | full-sun / part-sun | hydric / sub-xeric |
| Calycanthus floridus<br> | Sweetshrub       | deciduous | part-sun / shade    | hydric / sub-xeric |
| Clethra acuminata<br>    | Cinnamonbark     | deciduous | full-sun / part-sun | sub-xeric / xeric  |

|   |                  |           |                     |                    |
|---|------------------|-----------|---------------------|--------------------|
| <p>Cornus amomum</p>             | Silky dogwood    | deciduous | full-sun / part-sun | hydric / sub-xeric |
| <p>Corylus americana</p>        | Hazelnut         | deciduous | full sun / shade    | mesic / sub-xeric  |
| <p>Diervilla sessilifolia</p>  | Bush-honeysuckle | deciduous | full sun / shade    | mesic / xeric      |
| <p>Euonymus americanus</p>     | Hearts-a-bustin  | deciduous | part-sun / shade    | mesic / sub-xeric  |


|   |                                |                  |  |                               |
|---|--------------------------------|------------------|--|-------------------------------|
| <p>Fothergilla major</p>       | <p>Large<br/>Fothergilla</p>   | <p>deciduous</p> | <p>full-<br/>sun /<br/>part-<br/>sun</p> | <p>mesic /<br/>sub-xeric</p>  |
| <p>Hypericum densiflorum</p>  | <p>Dense<br/>Hypericum</p>     | <p>deciduous</p> | <p>full-<br/>sun /<br/>part-<br/>sun</p> | <p>mesic /<br/>xeric</p>      |
| <p>Ilex verticillata</p>     | <p>Common<br/>winterberry</p>  | <p>deciduous</p> | <p>full<br/>sun /<br/>shade</p>          | <p>hydric /<br/>mesic</p>     |
| <p>Itea virginica</p>        | <p>Virginia<br/>sweetspire</p> | <p>deciduous</p> | <p>full<br/>sun /<br/>shade</p>          | <p>hydric /<br/>sub-xeric</p> |

|  |                        |                  |                            |                          |
|--|------------------------|------------------|----------------------------|--------------------------|
| <p><i>Kalmia latifolia</i></p>              | <p>Mountain laurel</p> | <p>evergreen</p> | <p>full-sun / part-sun</p> | <p>sub-xeric / xeric</p> |
| <p><i>Lindera benzoin</i></p>              | <p>Spicebush</p>       | <p>deciduous</p> | <p>part-sun / shade</p>    | <p>mesic</p>             |
| <p><i>Rhododendron arborescens</i></p>    | <p>Sweet azalea</p>    | <p>deciduous</p> | <p>full sun / shade</p>    | <p>hydric / mesic</p>    |
| <p><i>Rhododendron calendulaceum</i></p>  | <p>Flame azalea</p>    | <p>deciduous</p> | <p>part-sun / shade</p>    | <p>mesic / sub-xeric</p> |




|  |                               |                  |                            |                           |
|--|-------------------------------|------------------|----------------------------|---------------------------|
| <p>Rhododendron carolinianum</p>      | <p>Carolina Rhododendron</p>  | <p>evergreen</p> | <p>part-sun / shade</p>    | <p>mesic / sub-xeric</p>  |
| <p>Rhododendron catawbiense</p>       | <p>Mountain rosebay</p>       | <p>evergreen</p> | <p>full sun / shade</p>    | <p>mesic / sub-xeric</p>  |
| <p>Rhododendron periclymenoides</p>  | <p>Wild or Pinxter azalea</p> | <p>deciduous</p> | <p>part-sun / shade</p>    | <p>hydric / sub-xeric</p> |
| <p>Rhododendron vaseyi</p>          | <p>Pinkshell azalea</p>       | <p>evergreen</p> | <p>full-sun / part-sun</p> | <p>mesic / sub-xeric</p>  |
| <p>Sambucus canadensis</p>          | <p>Elderberry</p>             | <p>deciduous</p> | <p>full sun / shade</p>    | <p>mesic</p>              |





|  |                    |           |                     |                   |
|--|--------------------|-----------|---------------------|-------------------|
| <p><i>Symphoricarpos orbiculatus</i></p>  | Coral berry        | deciduous | full sun / shade    | mesic / xeric     |
| <p><i>Viburnum alnifolium</i></p>        | Hobblebush         | deciduous | part-sun / shade    | mesic             |
| <p><i>Vaccinium corymbosum</i></p>      | Highbush blueberry | Deciduous | full-sun / part-sun | sub-xeric / xeric |
| <p><i>Vaccinium stamineum</i></p>       | Deerberry          | deciduous | full-sun / part-sun | mesic / xeric     |



|  |                              |                  |                                 |                              |
|--|------------------------------|------------------|---------------------------------|------------------------------|
| <p><i>Viburnum cassinoides</i></p>  | <p>Witherod<br/>Viburnum</p> | <p>deciduous</p> | <p>full<br/>sun /<br/>shade</p> | <p>mesic /<br/>sub-xeric</p> |
|--|------------------------------|------------------|---------------------------------|------------------------------|

## Large Shrubs (over 10 feet)


| Scientific Name   | Common Name                     | Type             | Light                          | Soil<br>Moisture              |
|---|---------------------------------|------------------|--------------------------------|-------------------------------|
| <p><i>Alnus serrulata</i></p>         | <p>Tag alder</p>                | <p>deciduous</p> | <p>full-sun /<br/>part-sun</p> | <p>hydric /<br/>mesic</p>     |
| <p><i>Ilex montana</i></p>           | <p>Mountain<br/>winterberry</p> | <p>deciduous</p> | <p>full-sun /<br/>part-sun</p> | <p>mesic / sub-<br/>xeric</p> |
| <p><i>Philadelphus inodorus</i></p>  | <p>Mock orange</p>              | <p>deciduous</p> | <p>full-sun /<br/>part-sun</p> | <p>mesic / sub-<br/>xeric</p> |

|   |                                 |                  |                                |                                |
|---|---------------------------------|------------------|--------------------------------|--------------------------------|
| <p>Rhododendron maximum</p>  | <p>Rosebay<br/>Rhododendron</p> | <p>evergreen</p> | <p>part-sun /<br/>shade</p>    | <p>mesic / sub-<br/>xeric</p>  |
| <p>Rhus glabra</p>           | <p>Smooth sumac</p>             | <p>deciduous</p> | <p>full-sun /<br/>part-sun</p> | <p>mesic / sub-<br/>xeric</p>  |
| <p>Salix sericea</p>        | <p>Silky willow</p>             | <p>deciduous</p> | <p>full sun /<br/>shade</p>    | <p>hydric / sub-<br/>xeric</p> |
| <p>Viburnum Dentatum</p>   | <p>Arrowwood</p>                | <p>deciduous</p> | <p>full-sun /<br/>part-sun</p> | <p>mesic / sub-<br/>xeric</p>  |



## Vines




| Scientific Name   | Common Name     | Type      | Light               | Soil Moisture      |
|---|-----------------|-----------|---------------------|--------------------|
| Aristolochia macrophylla<br> | Dutchman's pipe | deciduous | part-sun / shade    | mesic / xeric      |
| Bignonia capreolata<br>      | Crossvine       | evergreen | full sun / shade    | hydric / sub-xeric |
| Campsis radicans<br>       | Trumpet creeper | deciduous | full-sun / part-sun | sub-xeric / xeric  |
| Clematis virginiana<br>    | Virgin's bower  | deciduous | full sun / shade    | mesic / xeric      |




|  |                           |                  |                            |                          |
|--|---------------------------|------------------|----------------------------|--------------------------|
| <p>Decumaria barbara</p>              | <p>Climbing hydrangea</p> | <p>deciduous</p> | <p>full-sun / part-sun</p> | <p>mesic / sub-xeric</p> |
| <p>Lonicera sempervirens</p>          | <p>Coral honeysuckle</p>  | <p>deciduous</p> | <p>full-sun / part-sun</p> | <p>mesic / sub-xeric</p> |
| <p>Parthenocissus quinquefolia</p>  | <p>Virginia creeper</p>   | <p>deciduous</p> | <p>full sun / shade</p>    | <p>mesic / xeric</p>     |
| <p>Passiflora incarnata</p>         | <p>Passionflower</p>      | <p>deciduous</p> | <p>full-sun / part-sun</p> | <p>mesic / xeric</p>     |

|   |           |           |                     |                   |
|---|-----------|-----------|---------------------|-------------------|
| <p>Vitis labrusca</p>  | Fox grape | deciduous | full-sun / part-sun | mesic / sub-xeric |
|---|-----------|-----------|---------------------|-------------------|

## Ferns

| Scientific name  | Common name      |
|--|------------------|
| <p>Adiantum pedatum</p>        | Maidenhair fern  |
| <p>Asplenium platyneuron</p>  | Ebony spleenwort |

|   |                         |
|---|-------------------------|
| <p>Athyrium felix-feimina</p>  A photograph of a Lady fern (Athyrium filix-femina) showing its characteristic bipinnate fronds in a natural setting. | <p>Lady fern</p>        |
| <p>Dennstaedtia punctilobula</p>  A photograph of a Hay-scented fern (Dennstaedtia punctilobula) showing its bipinnate fronds.                       | <p>Hay-scented fern</p> |
| <p>Dryopteris marginalis</p>  A photograph of a Wood fern (Dryopteris marginalis) showing its bipinnate fronds.                                    | <p>Wood fern</p>        |

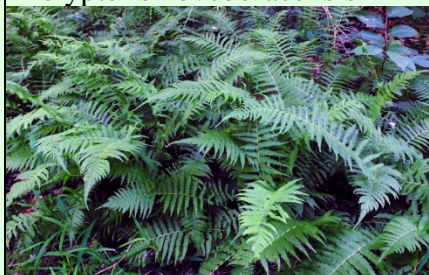
|   |   |
|---|---|
| <p><i>Onoclea sensibilis</i></p>       | <p>Sensitive fern</p>     |
| <p><i>Osmunda cinnamomea</i></p>      | <p>Cinnamon fern</p>      |
| <p><i>Osmunda claytoniana</i></p>  | <p>Interrupted fern</p> |

*Osmunda spectabilis*

Royal fern

*Polystichum acrostichoides*

Christmas fern

*Thelypteris noveboracensis*

New York fern



Woodwardia areolata






Netted chain fern


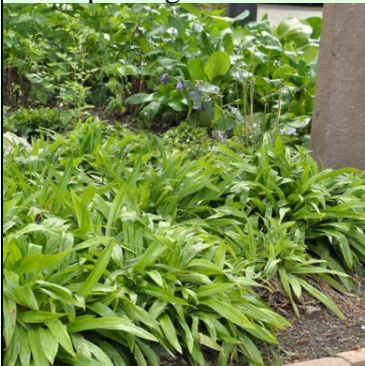

Woodsia obtusa









Common woodsia

## Grasses and Sedges





| Scientific name  | Common name                                     |
|--|---|
| <p>Andropogon gerardii</p>        | <p>Big bluestem</p> |
| <p>Andropogon virginicus</p>  | <p>Broomsedge</p> |
| <p>Arundinaria gigantea</p>   | <p>River cane</p> |

|  |                              |
|--|------------------------------|
| <p>Carex pensylvanica</p>         | <p>Pennsylvania sedge</p>    |
| <p>Carex plantaginea</p>         | <p>Plantain-leaved sedge</p> |
| <p>Chasmanthium latifolium</p>  | <p>River Oats</p>            |





|   |   |
|---|---|
| <p>Danthonia compressa</p>   | <p>Oat grass</p>      |
| <p>Elymus hystrix</p>       | <p>Bottle brush</p>   |
| <p>Panicum virgatum</p>  | <p>Switch-grass</p> |

|   |   |
|---|---|
| <p><i>Schizachyrium scoparium</i></p>    | <p>Little bluestem</p>      |
| <p><i>Sorghastrum nutans</i></p>        | <p>Indian grass</p>         |
| <p><i>Tripsacum dactyloides</i></p>  | <p>Eastern gammagrass</p> |




## Groundcovers

| Scientific name  | Common name   |
|--|---|
| <p><i>Antennaria plantaginifolia</i></p>  A photograph of Antennaria plantaginifolia, a groundcover plant with small white flowers and green leaves, growing in a rocky area. | <p>Pussy's toes</p>            |
| <p><i>Asarum canadense</i></p>  A photograph of Asarum canadense, a groundcover plant with large, rounded, green leaves.   | <p>Wild ginger</p>             |
| <p><i>Chrysogonum virginianum</i></p>  A photograph of Chrysogonum virginianum, a groundcover plant with bright yellow flowers and green leaves.                          | <p>Green-and-gold</p>        |
| <p><i>Coreopsis auriculata</i></p>  A photograph of Coreopsis auriculata, a groundcover plant with bright yellow flowers and green leaves.                                | <p>Mouse-eared coreopsis</p> |

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|--|---------------------------|
| <p>Fragaria virginiana</p>  A close-up photograph of a wild strawberry plant. The image shows several bright red, ripe strawberries hanging from a thin, reddish-brown stem. The leaves are green and serrated. The background is a soft-focus green. | <p>Wild strawberry</p>    |
| <p>Gaultheria procumbens</p>  A photograph of a wintergreen plant. The plant has dark green, glossy, oval-shaped leaves and numerous small, bright red berries clustered together. The plant is growing in a natural, outdoor setting.                | <p>Wintergreen</p>        |
| <p>Hexastylis arifolia</p>  A photograph of a little brown jugs plant. The plant features large, heart-shaped, dark green leaves with prominent veins. The leaves are growing in a natural, outdoor setting with some dry leaves and soil visible.   | <p>Little brown jugs</p>  |
| <p>Iris cristata</p>  A photograph of a dwarf crested iris. The image shows several vibrant purple flowers with yellow centers, growing from a cluster of long, narrow green leaves. The background is a soft-focus green.                          | <p>Dwarf crested iris</p> |

|   |                         |
|---|-------------------------|
| <p>Mitchella repens</p>  A photograph of the Partridge Berry plant, showing its characteristic dark green, rounded, glossy leaves and several bright red, round berries. | <p>Partridge Berry</p>  |
| <p>Pachysandra procumbens</p>  A photograph of Allegheny spurge, showing a dense cluster of green, lance-shaped leaves with small, white, star-shaped flowers.           | <p>Allegheny spurge</p> |
| <p>Phacelia bipinnatifida</p>  A photograph of a Phacelia plant, showing its green, finely divided leaves and numerous small, light purple flowers.                     | <p>Phacelia</p>         |
| <p>Phlox amoena</p>  A photograph of Chalice Phlox, showing a cluster of bright pink, five-petaled flowers with a distinct chalice-like shape.                         | <p>Chalice Phlox</p>    |
| <p>Phlox divaricata</p>  A photograph of Wild blue phlox, showing a dense cluster of small, light blue flowers with five petals each.                                  | <p>Wild blue phlox</p>  |



|   |                       |
|---|-----------------------|
| <p>Phlox stolonifera</p>             | <p>Creeping phlox</p> |
| <p>Pityopsis graminifolia</p>        | <p>Golden aster</p>   |
| <p>Polystichum acrostichoides</p>  | <p>Christmas fern</p> |

*Shortia galacifolia*



Oconee bells

*Sisyrinchium mucronatum*




Blue-eyed grass


*Tiarella cordifolia*










Foamflower






|   |             |
|---|-------------|
| <i>Xanthorhiza simplicissima</i>  | Yellow-root |
|  |             |



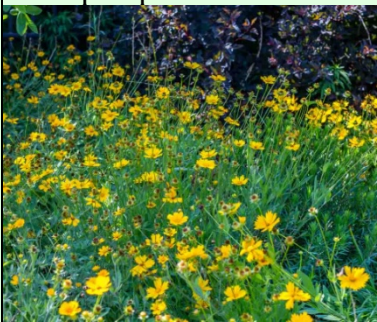

## Wildflowers

| Scientific name   | Common name |
|---|-------------|
| <i>Actaea Pachypoda</i>   | Doll's eyes |
|  |             |

|  |   |
|--|---|
| <p><i>Actaea racemosa</i></p>  A photograph of several tall, slender stems of Black cohosh (Actaea racemosa) with clusters of small, white, tubular flowers at the top. The background is a soft-focus green. | <p>Black cohosh</p>           |
| <p><i>Amsonia tabernaemontana</i></p>  A photograph of a bush of Blue star (Amsonia tabernaemontana) with numerous small, light blue flowers. The leaves are dark green and lance-shaped.                    | <p>Blue star</p>              |
| <p><i>Anemone acutiloba</i></p>  A photograph of several white flowers of Sharp-lobed hepatica (Anemone acutiloba) with five petals and a yellow center, growing from a bed of brown leaves.              | <p>Sharp-lobed hepatica</p> |
| <p><i>Anemone virginiana</i></p>  A close-up photograph of a single white flower of Thimbleweed (Anemone virginiana) with five petals and a prominent yellow center.                                      | <p>Thimbleweed</p>          |

|   |   |
|---|---|
| <p><i>Aquilegia canadensis</i></p>  <p>A photograph of several red and yellow wild columbine flowers (Aquilegia canadensis) in bloom, showing their characteristic spurred petals and prominent stamens.</p>             | <p>Wild columbine</p>       |
| <p><i>Arisaema dracontium</i></p>  <p>A photograph of the Green dragon (Arisaema dracontium) plant, featuring several upright, reddish-pink, bumpy flower spikes emerging from a cluster of dark, pointed leaves.</p> | <p>Green dragon</p>         |
| <p><i>Arisaema triphyllum</i></p>  <p>A photograph of the Jack-in-the-pulpit (Arisaema triphyllum) plant, showing its characteristic hooded, striped spathe and a single, upright, dark flower spike.</p>          | <p>Jack-in-the-pulpit</p> |





|   |                         |
|---|-------------------------|
| <p>Aruncus dioicus</p>       | <p>Goat's-beard</p>     |
| <p>Asclepias incarnata</p>   | <p>Swamp milkweed</p>   |
| <p>Asclepias tuberosa</p>   | <p>Butterfly-weed</p>   |
| <p>Astilbe biternata</p>   | <p>False goatsbeard</p> |
| <p>Baptisia tinctoria</p>  | <p>Wild indigo</p>      |





|   |                        |
|---|------------------------|
| <p>Caulophyllum thalictroides</p>  A photograph of the Blue cohosh plant, showing its green, deeply lobed leaves and clusters of small, bright yellow flowers.         | <p>Blue cohosh</p>     |
| <p>Chelone lyonii</p>  A photograph of the Pink turtlehead plant, showing a dense cluster of green leaves and numerous small, pink, tubular flowers.                   | <p>Pink turtlehead</p> |
| <p>Coreopsis pubescens</p>  A photograph of the Coreopsis plant, showing a field of numerous small, bright yellow flowers with dark centers, growing on green stems. | <p>Coreopsis</p>       |
| <p>Dicentra eximia</p>  A photograph of the Bleeding heart plant, showing several large, pink, heart-shaped flowers with a darker center, hanging from a green stem. | <p>Bleeding heart</p>  |





|   |   |
|---|---|
| <p><i>Eurybia divaricata</i></p>  A close-up photograph of several white wood aster flowers. The flowers have numerous thin, white petals radiating from a central yellow-orange disk. They are set against a background of green leaves.    | <p>White wood aster</p> |
| <p><i>Eutrochium fistulosum</i></p>  A photograph of Joe-Pye weed flowers. The flowers are a vibrant purple color and are arranged in large, rounded, terminal clusters at the top of tall, dark stems. The background shows green foliage. | <p>Joe-Pye weed</p>     |
| <p><i>Geranium maculatum</i></p>  A photograph of wild geranium flowers. The flowers are a light purple color and have five petals. They are growing in a cluster among green, lobed leaves.   | <p>Wild geranium</p>  |
| <p><i>Helianthus resinosus</i></p>  A photograph of a sunflower. The flower is bright yellow with a dark brown center. It is on a tall, thin stem with green leaves. The background is a dark, out-of-focus forest.                      | <p>Sunflower</p>      |








|   |                        |
|---|------------------------|
| <p>Heuchera americana</p>  | <p>Alumroot</p>        |
| <p>Impatiens capensis</p>  | <p>Jewelweed</p>       |
| <p>Liatris spicata</p>    | <p>Blazing star</p>    |
| <p>Lilium superbum</p>   | <p>Turk's cap lily</p> |

|  |                            |
|--|----------------------------|
| <p>Lobelia cardinalis</p>     | <p>Cardinal flower</p>     |
| <p>Lobelia puberula</p>       | <p>Downy Lobelia</p>       |
| <p>Lobelia siphilitica</p>  | <p>Great Blue lobelia</p>  |
| <p>Lysimachia ciliata</p>   | <p>Fringed loosestrife</p> |



|   |                       |
|---|-----------------------|
| <p>Mitella diphylla</p>    | <p>Bishop's cap</p>   |
| <p>Monarda didyma</p>     | <p>Beebalm</p>        |
| <p>Phlox carolina</p>    | <p>Carolina phlox</p> |
| <p>Phlox paniculata</p>  | <p>Garden phlox</p>   |





|   |                         |
|---|-------------------------|
| <p>Polygonatum biflorum</p>      | <p>Solomon's seal</p>   |
| <p>Primula meadia</p>            | <p>Shooting star</p>    |
| <p>Rudbeckia hirta</p>          | <p>Black-eyed Susan</p> |
| <p>Sanguinaria canadensis</p>  | <p>Bloodroot</p>        |




|  |                               |
|--|-------------------------------|
| <p><i>Silene virginica</i></p>  A photograph showing several bright red, five-petaled flowers of <i>Silene virginica</i> growing from a bed of brown mulch. The flowers are arranged in small clusters on thin green stems.   | <p>Fire pink</p>              |
| <p><i>Solidago rugosa</i></p>  A photograph of a dense cluster of bright yellow flowers of <i>Solidago rugosa</i> . The flowers are small and numerous, creating a textured, golden appearance.   | <p>Wrinkle-leaf goldenrod</p> |
| <p><i>Symphotrichum patens</i></p>  A close-up photograph of several purple flowers of <i>Symphotrichum patens</i> . The flowers have a daisy-like appearance with many thin, light purple petals surrounding a bright yellow center. They are attached to a woody stem with some green leaves. | <p>Late purple aster</p>      |
| <p><i>Thermopsis villosa</i></p>  A photograph of a single, upright stem of <i>Thermopsis villosa</i> covered in a dense, elongated spike of bright yellow flowers. The background is dark and out of focus.  | <p>Bushpea</p>                |

|  |                          |
|--|--------------------------|
| <p>Vernonia noveboracensis</p>  | <p>New York ironweed</p> |
|--|--------------------------|

## Mesic for Full Sun




| Scientific name  | Common name              |
|--|--------------------------|
| <p>Aster novea angliae</p>   | <p>New England aster</p> |
| <p>Coreopsis pubescens</p>  | <p>Hairy coreopsis</p>   |

|  |                        |
|--|------------------------|
| <p>Eutrochium fistulosum</p>  A photograph of Joe-Pye weed (Eutrochium fistulosum) showing several tall, upright stems with clusters of small, light purple flowers at the top.                       | <p>Joe-Pye weed</p>    |
| <p>Liatris spicata</p>  A photograph of Blazing star (Liatris spicata) featuring several upright, spiky stems of purple flowers. A yellow and black butterfly is perched on one of the flower spikes. | <p>Blazing star</p>    |
| <p>Lobelia cardinalis</p>  A photograph of Cardinal flower (Lobelia cardinalis) showing a cluster of bright red, tubular flowers on a green stem.   | <p>Cardinal flower</p> |
| <p>Monarda didyma</p>  A photograph of Beebalm (Monarda didyma) displaying a dense cluster of bright red flowers with a yellow center.  | <p>Beebalm</p>         |

|   |                         |
|---|-------------------------|
| <p>Phlox carolina</p>              | <p>Carolina phlox</p>   |
| <p>Rudbeckia hirta</p>             | <p>Black-eyed Susan</p> |
| <p>Symphotrichum retroflexum</p>  | <p>Curtis aster</p>     |



## Mesic for Shade

| Scientific name   | Common name  |
|---|--|
| <p>Anemone acutiloba</p>     | <p>Sharp-lobed hepatica</p> |
| <p>Arisaema triphyllum</p>  | <p>Jack-in-the-pulpit</p>   |
| <p>Asarum canadense</p>  | <p>Wild ginger</p>        |

*Erythronium umbilicatum*



Trout Lily

*Heuchera americana*



Alumroot

*Mitchella repens*



Partridge Berry

*Osmunda cinnomonea*

Cinnamon fern

*Polygonatum biflorum*

Solomon's seal

*Polystichum acrostichoides*

Christmas fern

*Shortia galacifolia*



Oconee bells

*Tiareella cordifolia*



Foamflower

## **Invasives**

These species will not be permitted in the town of Waynesville, Landscaping plans that include any of species listed below will not be approved.

## Severe Threat

- *Ailanthus altissima*
- *Albizia julibrissin*
- *Alliaria petiolata*
- *Alternanthera philoxeroides*
- *Ampelopsis glandulosa*
- *Celastrus orbiculatus*
- *Dioscorea polystachya* [*Dioscorea oppositifolia*]
- *Elaeagnus umbellata*
- *Ficaria verna* [ *Ranunculus ficaria*]
- *Hedera helix*
- *Humulus scandens* [*Humulus japonicus*]
- *Hydrilla verticillata*
- *Lespedeza bicolor*
- *Lespedeza cuneata*
- *Ligustrum japonicum* & cultivars
- *Ligustrum lucidum* & cultivars
- *Ligustrum sinense* & cultivars
- *Lonicera japonica*
- *Microstegium vimineum*
- *Miscanthus sinens*
- *Murdannia keis*
- *Myriophyllum aquaticum*
- *Paulownia tomentosa*
- *Persicaria perfoliata*
- *Phragmites australis*
- *Pueraria montana* var. *lobata*
- *Pyrus calleryana*
- *Reynoutria japonica* var. *japonica*
- [*Polygonum cuspidatum*, *Fallopia japonica*]
- *Reynoutria sachalinensis*
- [ *Fallopia sachalinensis*, *Polygonum sachalinense*]

- Reynoutria x bohemica
- Reynoutria japonica
- Rosa multiflora
- Salvinia molesta
- Spiraea japonica
- Vitex rotundifolia
- Wisteria floribunda
- Wisteria x formosa [W. floribunda x sinensis]
- Youngia japonic

## Significant Threat

- Akebia quinata
- Allium vineale
- Arthraxon hispidus
- Arum italicum
- Berberis thunbergii
- Broussonetia papyrifera
- Buddleja davidii [Buddleia davidii]
- Causonis japonica [ Cayratia japonica]
- Centaurea stoebe ssp. Micranthos
- [Centaurea biebersteinii, C. maculosa]
- Cirsium arvense
- Citrus trifoliata [ Poncirus trifoliata]
- Clematis terniflora [ Clematis dioscoreifolia]
- Corydalis incisa
- Cytisus scoparius
- Egeria densa
- Elaeagnus angustifolia

- *Elaeagnus pungens*
- *Euonymus alatus*
- *Euonymus fortunei*
- *Glechoma hederacea*
- *Imperata cylindrica* + varieties
- *Iris pseudacorus*
- *Ligustrum vulgare* & cultivars
- *Lonicera fragrantissima*
- *Lonicera maackii*
- *Lonicera morrowii*
- *Lonicera x bella* [*Lonicera tatarica* x *morrowii*]
- *Lygodium japonicum*
- *Lysimachia nummularia*
- *Lythrum salicaria*
- *Mahonia bealei*
- *Morus alba*
- *Myriophyllum spicatum*
- *Nandina domestica*
- *Oshuna crassipes* [*Eichhornia crassipes*]
- *Perilla frutescens*
- *Persicaria longiseta*
- *Persicaria maculosa* [*Polygonum persicaria*]
- *Phyllostachys aurea*
- *Rosa lucieae* [*Rosa wichuraiana*]
- *Rubus phoenicolasius*
- *Solanum viarum*



- *Sorghum halepense*
- *Stellaria media*
- *Triadica sebifera*
- *Tussilago farfara*
- *Ulmus parviflora*
- *Verbascum phlomoides*
- *Viburnum dilatatum*
- *Vinca major*
- *Vinca minor*