

Bioretention recommended shrubs and trees

Botanical Name	Common Name	Spacing (feet)
Shrubs		
* <i>Aronia melanocarpa</i>	black chokeberry	5 to 10
* <i>Corylus americana</i>	American hazelnut	8 to 15
<i>Euonymus americanus</i>	hearts a bursting	4 to 6
* <i>Gaylussacia baccata</i>	black huckleberry	2 to 4
* <i>Hamamelis virginiana</i>	witch hazel	15 to 20
<i>Hypericum densiflorum</i>	bushy St. John's wort	3 to 4
* <i>Hypericum prolificum</i>	shrubby St. John's wort	2 to 4
* <i>Lindera benzoin</i>	northern spicebush	6 to 12
* <i>Robinia hispida</i>	bristly locust	5 to 15
* <i>Salix humilis</i>	prairie willow	4 to 8
* <i>Viburnum prunifolium</i>	blackhaw viburnum	8 to 12

Short Trees

* <i>Amelanchier arborea</i>	downy serviceberry	15 to 20
* <i>Amelanchier laevis</i>	smooth serviceberry	15 to 40
* <i>Asimina triloba</i>	paw paw	20 to 30
* <i>Crataegus crus-galli</i>	cockspur hawthorn	25 to 35

Shady and/or moist conditions

* <i>Aronia arbutifolia</i>	red chokeberry	3 to 5
* <i>Cephalanthus occidentalis</i>	buttonbush	3 to 10
* <i>Diervilla lonicera</i>	north. bush honeysuckle	3 to 4

Design Recommendations
Use 3 tree and shrub species when practicable
Use Latin and Common names on design plan
Use 3 or more shrubs per shrub cluster grouping
Use an odd number of like species per shrub cluster grouping
Do not locate plants over underdrain or in front of inlet pipes
Use off center spacing based on the Spacing (feet) column
Consider finished site conditions- light / water availability, and soil types
Select shrubs that best fit finished site conditions' new habitat type
Specify "local ecotype" plant species on plan when possible
Choose shrubs blooming during different seasons to support pollinators
For additional information regarding plants contact Repp Glaettli <i>rglaettli@albemarle.org, 434-296-5816 ext. 3424</i>

Criteria for Plants on List
Aesthetics- Attractive bloom and/or other aesthetic feature
Availability- Nurseries in and around Albemarle County
Native to- Albemarle County or Central Piedmont of Virginia
Habitat types- floodplains or seep and upland forest
Soil moisture- both inundation and drought tolerant
Soil structure- Sand tolerant
Supports- Biodiversity and Ecosystem Services; such as pollinators, etc
*Deer Resistance