



CALVERT COUNTY CRITICAL AREA PROGRAM

Critical Area Reforestation Application

The Calvert County Critical Area Program, implemented in December 1988, requires the County to maintain 100% of existing forest cover within the Critical Area (land within 1,000 feet of tidal waters). When maintenance or replacement of forest cover on site is not possible, a fee is collected to cover the cost of replacement on another tract within the critical area. These fees-in-lieu of replanting are held in the Critical Area Reforestation Fund and subsequently used to plant appropriate sites. The Critical Area Reforestation Evaluation (CARE) Committee reviews all applications for reforestation or tree planting using the Critical Area Reforestation Fund.

The reforestation application is for any critical area property owner who has an area on their property they would like to replant with trees to help the County maintain its 100% forest- cover goal.

1. Trees will be supplied and planted for all approved applications, absolutely free, in the following cases.
 - (a) For all sites greater than one acre.
 - (b) For sites smaller than one acre which require more than 10 sapling-sized trees.
 - (c) For sites smaller than one acre, which require less than 10 sapling-sized trees, the applicant will have to justify request.
2. Priority will be given to reforestation sites greater than one acre and sites within 100 feet of tidal water.
3. The following sizes of trees will be available:
 - (a) Tree seedlings -- seedlings are normally 18-24 inches tall, planted bare-root, and can be used for planting sites greater than 1 acre and planted on 10-ft. centers (430 seedlings per acre).
 - (b) Tree saplings-- saplings are normally 4-8 feet tall, planted with a balled and burlapped root-ball, typically used for planting sites smaller than one acre, and planted on 20-ft. centers.
 - (c) Shrubs – 3-gallon container and spaced 6-12 ft on center.
4. Native tree and shrub species from the approved *Calvert County Native Plants* can be provided through this program. Species availability varies from year to year. Shrub species will be considered for up to 15 percent of total application request. Non-native species are discouraged. Invasive species are not allowed. The CARE committee must approve all applications
5. Proposals will also be accepted for the following types of reforestation projects:
 - (a) Projects that improve water quality or create, improve or restore fish, wildlife or plant habitat.
 - (b) Education or public information activities that create awareness and understanding of the County Critical Area Program.
 - (c) Urban Forestry
6. As every reforestation site is different, exceptions to these general requirements can be made if determined necessary by the CARE Committee. Complete the reforestation application and use additional sheets as required to explain your project.

Critical Area Reforestation Process

1. You (property owner or authorized agent) submit an application for **Free Trees in the Critical Area** to the Department of Planning & Zoning. Specify the species (type) of trees and shrubs and the quantity for each species.
http://www.co.cal.md.us/assets/Planning_Zoning/P&ZForms/Reforestationapplicationwtreelist080710.pdf
2. Attach a planting plan showing the planting location for each tree and shrub requested. The application deadline is November 1 for a spring planting and May 1 for a fall planting.
3. The Critical Area Reforestation Evaluation (CARE) committee meets to review the applications (December for spring planting & June for fall planting).
4. The County advertises the project, solicits bids and awards the contract (during a 2-3 month time period). Once the County advertises the project, the quantity and species of plants can't be changed by the applicant.
5. The Critical Area Reforestation Planner (Robin Munnikhuysen) will notify each applicant approximately 1 month before planting with a tentative planting time. The spring planting usually occurs in early May and the fall planting in mid November.
6. Prior to planting time, the Reforestation Planner will deliver to you pin flags (~2-ft. in height) labeled with the trees and shrubs you have requested.
7. Prior to planting time, place the pin flags on your property indicating the planting location for each tree and shrub as per your planting plan. If flagged plant locations vary from your planting plan, please notify the Reforestation Planner.
8. The contractor will notify you prior to planting (ideally at least 2-3 days but subject to change) to let you know when your trees and shrubs will be planted.
9. The Reforestation Planner will inspect the plant material and installation for each site.
10. The County provides free plant material and installation (including mulch). The property owner is responsible for watering and maintaining the plants as instructed for at least 10 years.
11. Please contact the Critical Area Reforestation Planner (410-535-1600, ext. 2502) if you have any questions.

CAL VERT COUNTY NATIVE PLANT LIST

Large Canopy Trees (Size: 1 ¾ –2 in. caliper in size spaced 20-40 ft. on center)

Common Name	Species	Coverage (400 square feet)
Box Elder	<i>Acer negundo</i>	
Red Maple	<i>Acer rubrum</i>	
Silver Maple	<i>Acer saccharinum</i>	
River Birch	<i>Betula nigra</i>	
Bitternut	<i>Carya cordiformis</i>	
Hickory Pignut	<i>Carya glabra</i>	
Hickory Shagbark	<i>Carya ovata</i>	
Hickory Mockernut	<i>Carya tomentosa</i>	
Hickory Common	<i>Celtis occidentalis</i>	
Hackberry	<i>Fagus grandifolia</i>	
American Beech	<i>Fraxinus americana</i>	
White Ash	<i>Fraxinus pennsylvanica</i>	
Green Ash	<i>Juglans nigra</i>	
Black Walnut	<i>Liquidambar styraciflua</i>	
Sweetgum	<i>Liriodendron tulipifera</i>	
Tulip Poplar	<i>Malus coronaria</i>	
American Crabapple	<i>Morus rubra</i>	
Red Mulberry	<i>Nyssa sylvatica</i>	
Black Gum	<i>Ostrya virginiana</i>	
Eastern Hophornbeam	<i>Platanus occidentalis</i>	
American Sycamore	<i>Prunus serotina</i>	
Black Cherry	<i>Prunus virginiana</i>	
Chokecherry	<i>Quercus alba</i>	
White Oak	<i>Quercus bicolor</i>	
Swamp White Oak	<i>Quercus coccinea</i>	
Scarlet Oak	<i>Quercus falcata</i>	
Swamp Chestnut Oak	<i>Quercus marilandica</i>	
Blackjack Oak	<i>Quercus muehlenbergii</i>	
Chinkapin Oak	<i>Quercus nigra</i>	
Water Oak	<i>Quercus palustris</i>	
Pin Oak	<i>Quercus phellos</i>	
Willow Oak	<i>Quercus prinus</i>	
Chestnut Oak	<i>Quercus rubra</i>	
Red Oak	<i>Quercus stellata</i>	
Post Oak	<i>Quercus velutina</i>	
Black Oak	<i>Salix nigra</i>	
Black Oak	<i>Taxodium distichum</i>	
Willow	<i>Tilia americana</i>	
Bald Cypress	<i>Ulmus americana</i>	
Basswood		
American Elm		

CAL VERT COUNTY NATIVE PLANTS LIST (cont.)

Understory Trees (Size: 1 ¼-1 ¾ in. caliper in size spaced 15-25 ft. on center)

Common Name	Species	Coverage (200 square feet)
Downy Serviceberry	<i>Amelanchier arborea</i>	
Shadbush Serviceberry	<i>Amelanchier canadensis</i>	
Paw-Paw	<i>Asimina triloba</i>	
American Hornbeam	<i>Carpinus caroliniana</i>	
Chinquapin	<i>Castanea pumilla</i>	
Eastern Redbud	<i>Cercis canadensis</i>	
White Fringetree	<i>Chionanthus virginicus</i>	
White Flowering Dogwood	<i>Corn usflorida</i>	
Cockspur Hawthorn	<i>Crataegus crus-galli</i>	
Washington Hawthorn	<i>Crataegus phaenopyrum</i>	
Southern Thorn Common	<i>Crataegus viridis</i>	
Persimmon	<i>Diospyros virginiana</i>	
Wild Crabapple	<i>Pyrus coronaria</i>	
Sassafras	<i>Sassafras albidum</i>	

Mixed Shrubs (Size: 3 gallon container – 2-3 ft. height spaced 6-12 ft. on center)

Common Name	Species	Coverage (100 square feet)
Smooth Alder	<i>Alnus serulata</i>	
Devil's Walking Stick	<i>Aralia spinosa</i>	
Red Chokeberry	<i>Aronia arbutifolia</i> Aronia	
Black Chokeberry	<i>melanocarpa</i> Baccharis	
High-tide Bush	<i>halimifolia</i> Callicarpa	
American Beautyberry	<i>americana</i> Ceanothus	
New Jersey Tea	<i>americanus</i> Cephalanthus	
Buttonbush Sweet	<i>occidentalis</i> Clethra	
Pepperbush	<i>alnifolia</i>	
Sweet Fern Silky	<i>Comptonia peregrina</i>	
Dogwood Red-Osier	<i>Cornus amomum</i>	
Dogwood Black	<i>Corn us sericea</i>	
Huckleberry	<i>Gaylussacia baccata</i>	
Dangleberry Witch	<i>Gaylussaciafrondosa</i>	
Hazel	<i>Hamamelis virginiana</i>	
Dense St. John's Wort	<i>Hypericum densiflorum</i>	
Smooth Winterberry	<i>Ilex laevigata</i>	
Winterberry	<i>Ilex verticillata</i>	

CAL VERT COUNTY NATIVE PLANT LIST (cont.)

Mixed Shrubs (Size: 3 gallon container – 2-3 ft. height spaced 6-12 ft. on center)

Common Name	Species	Coverage (100 square feet)
Virginia Sweetspire	<i>Itea virginica</i>	
Marsh Elder	<i>Ivafrutescens</i>	
Spicebush	<i>Lindera benzoin</i>	
Male Berry	<i>Lyonia ligustrina</i>	
Staggerbush	<i>Lyonia mariana</i>	
Northern Bayberry	<i>Morellapensylvanica</i>	
Dwarf Azalea	<i>Rhododendron atlanticum</i>	
Sweet Azalea	<i>Rhododendron canescens</i>	
Pink Azalea	<i>Rhododendron periclymenoides</i>	
Swamp Azalea	<i>Rhododendron viscosum</i>	
Shining Sumac	<i>Rhus copallina</i>	
Sweet Sumac	<i>Rhus glabra</i>	
Staghorn Sumac	<i>Rhus hirta</i>	
Pasture Rose	<i>Rosa carolina</i>	
Swamp Rose	<i>Rosa palustris</i>	
Prairie Willow	<i>Salix humilis</i>	
Common Elderberry	<i>Sambucus canadensis</i>	
Steeplebush	<i>Spiraea tomentosa</i>	
Highbush Blueberry	<i>Vaccinium corymbosum</i>	
Deerberry	<i>Vaccinium stamineum</i>	
Early Lowbush Blueberry	<i>Vaccinium vacillans</i>	
Maple-leaved Arrowwood	<i>Viburnum acerifolium</i>	
Southern Arrowwood	<i>Viburnum dentatum</i>	
Naked Witherod	<i>Viburnum nudum</i>	
Black Haw	<i>Viburnum prunifolium</i>	

CAL VERT COUNTY NATIVE PLANT LIST (cont.)

Mixed Evergreens (Size: 4 to 5 ft. height spaced 20 ft. on center)

Large Canopy Trees

Common Name	Species	Coverage (400 square feet)
Atlantic White Cedar	<i>Chamaecyparis thyoides</i>	
Eastern Red Cedar	<i>Jun iperus virginiana</i>	
Shortleaf Pine	<i>Pinus echinata</i> <i>Pinus</i>	
Pitch Pine	<i>rigida</i> <i>Pinus serotina</i>	
Pond Pine	<i>Pinus taeda</i>	
Loblolly Pine	<i>Pinus virginiana</i>	
Virginia Pine		

Mixed Evergreens (Size: 4 to 5 ft. height spaced 20 ft. on center)

Small Understory Tree

Common Name	Species	Coverage (200 square feet)
American Holly	<i>Ilex opaca</i>	
Sweetbay Magnolia	<i>Magnolia virginiana</i>	

Mixed Evergreens (Size: 3 gallon container – 2-3 ft. height spaced 6-12 ft. on center)

Shrubs

Common Name	Species	Coverage (100 square feet)
Wintergreen	<i>Gaultheria procumbens</i>	
Inkberry	<i>Ilex glabra</i>	
Sheep Laurel	<i>Kalmia angustifolia</i>	
Mountain Laurel	<i>Kalmia latifolia</i>	
Fetterbush	<i>Leucothoe racemosa</i>	
Wax Myrtle	<i>Morella cerifera</i>	
Northern Bayberry	<i>Morella pensylvanica</i>	