



CAPE COD COOPERATIVE EXTENSION
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Secondary Conservation List of non-native species

The plants listed in the “Secondary List” are those species, both native to North America outside of Massachusetts as well as introduced from other areas, that have few insect and/or disease problems, are NOT invasive, and may have wildlife value. They might be considered for use in less sensitive areas within the buffer zone.

Buffer Zone Trees & Shrubs

Soil Moisture

W = wet
 D = dry
 M = moist

Sun

SU = sun
 SH = shade
 PS = part shade

Symbols

! = Possible pests ST = salt tolerant
 # = stoloniferous WL = wildlife value
 OC = On Center
 c = caliper

Shrubs, low									
Scientific Name	Common Name	M	D	M	F	S	H x W	Opt. siz	Spacir
<i>Cephalotaxus harringtonia</i>	Japanese plum yew	X					5 x	2G	8' OC
<i>Microbiota decussata</i>	Russian arborvitae	X			X		1 x	1-2 G	4' OC
# <i>Itea virginica</i>	Virginia sweetspice	X			X		3 x	1-2 G	4' OC
<i>Pieris floribunda</i>	Mountain pieris	X			X		4 x	1-2 G	3' OC

Shrubs, medium									
Scientific Name	Common Name	M	D	M	F	S	H x W	Opt. si	Spaci
<i>Calycanthus florida</i> WL	Carolina allspice)		9 x 1	2G	6' OC
<i>Chionanthus virginicus</i>	Fringetree						12 x	2-5 G	8' OC
<i>Fothergilla gardenia</i>	Dwarf fothergilla						4 x 4	2G	3' OC
<i>Fothergilla major</i>	Large fothergilla						8 x 8	2G	6' OC

! Ilex x meserveae WL	Meserve hybrid holly							10 x	2G	6' OC
<i>Hamamelis x intermedia</i>	Hybrid witch hazel							10 x	2G	8' OC
<i>Hamamelis mollis</i>	Chinese witch hazel							10 x	2G	8' OC
<i>Hamamelis vernalis</i>	Vernal witch hazel							10 x	2G	8' OC
<i>Hydrangea macrophylla</i>	Bigleaf hydrangea							6 x 6	2G	5' OC
<i>Hydrangea quercifolia</i>	Oakleaf hydrangea							6 x 6	2G	5' OC
<i>Physocarpus opulifolius</i>	Ninebark							8 x 8	2G	6' OC
<i>Rosa rugosa</i>	Rugosa rose							6 x 6	2G	6' OC
<i>Syringa meyeri</i>	Meyer lilac							8 x 8	2G	6' OC
<i>Syringa patula</i> 'Miss Kim'	Miss Kim Korean lilac							8 x 8	2G	6' OC

Shrubs, tall

Scientific Name	Common Name					P	H X V	Opt. si	Spaci
<i>Aesculus parviflora</i> WL	Bottlebrush buckeye					X	12 x 2	2-5G	10' O
<i>Cotinus coggygria</i>	Smokebush						15 x 7	2G	8' OC
<i>Enkianthus campanulatus</i>	Redvein enkianthus					X	15 x 8	2-5G	5' OC
<i>Hydrangea paniculata</i>	Panicle hydrangea					X	15 x 7	2G	5' OC
<i>Viburnum plicatum</i> var. <i>tomentosum</i> WL	Doublefile viburnum						12 x 7	2-5G	8' OC
<i>Viburnum sargentii</i> WL	Sargent viburnum					X	15 x 7	2-5G	10' OC
<i>Viburnum sieboldii</i> WL	Siebold viburnum					X	20 x 7	2-5G	10' OC
<i>Viburnum trilobum</i> WL	American cranberrybush					X	12 x 7	2G	8' OC

Trees, small (understory)

Scientific Name	Common Name					F	H x W	Opt. si	Spaci
<i>Acer buergerianum</i>	Trident maple					X	25 x 3	1"-2"	20' OC
<i>Acer campestre</i>	Hedge maple					X	30 x 3	1"-2"	20' OC
<i>Acer griseum</i>	Paperbark maple					X	30 x 2	1"-2"	15' OC
<i>Acer triflorum</i>	Three-flower maple						30 x 3	1"-2"	20' OC
<i>Cornus kousa</i> WL	Kousa dogwood					X	30 x 3	1"-2"	20' OC
<i>Cornus mas</i> WL	Corneliancherry dogwood					X	25 x 2	1"-2"	15' OC
<i>Cotinus obovatus</i>	American smoketree					X	30 x 3	5-7G	20' OC
<i>Halsia tetrapta</i>	Carolina silverbell					X	30 x 3	1"-2"	20' OC
<i>Ilex pedunculosa</i> WL	Longstalk holly					X	25 x 2	5'-6'	15' OC

<i>Ptelea trifoliata</i>	Hop tree				X		15 x 1	1' -2'c	12'OC
<i>Magnolia x loebneri</i>	Loebner hybrid magnolia						25 x 2	5G	20'OC
<i>Magnolia stellata</i>	Star magnolia						25 x 1	5G	12'OC
<i>Malus 'Donald Wyman' WL</i>	Disease resistant crabapple						20 x 2	1' -2'c	15'OC
<i>Styrax japonicus</i>	Japanese styrax				X		20 x 2	5-7G	15'OC
<i>Syringa reticulata</i>	Japanese tree lilac						30 x 2	5-7G	20'OC

Trees, tall (canopy)									
Scientific Name	Common Name				F		H x W	Opt. siz	Spaci
<i>Abies concolor WL</i>	Concolor fir						75 x 4	5'-8'	35'OC
<i>Aesculus x carnea WL</i>	Red horsechestnut						40 x 3	1' -2" c	20'OC
<i>Carpinus betulus</i>	European hornbeam				>		50 x 4	1' -2" c	30'OC
<i>Cercidiphyllum japonicum</i>	Katsura				>		75 x 3	1' -2" c	20' O
<i>Chamaecyparis obtusa</i>	Hinoki Falsecypress				>		50 x 2	5'-8'	15'OC
<i>Chamaecyparis pisifera ST</i>	Sawara Falsecypress						70 x 2	5'-8'	20'OC
<i>Cladrastis kentuckea</i>	American yellowwood				>		50 x 4	1' -2" c	35'OC
<i>Ginkgo biloba ST</i>	Ginkgo						70 x 4	1' -2" c	35'OC
<i>Liquidambar styraciflua</i>	American sweetgum						60 x 4	1' -2" c	35'OC
<i>Metasequoia glyptostroboides</i>	Dawn redwood						75 x 3	5'-8'	25'OC
<i>Oxydendrum arboretum</i>	Sourwood				>		40 x 2	1' -2" c	15'OC
! Pinus cembra WL	Swiss stone pine						40 x 2	5'-8'	15'OC
! Pinus parviflora ST, WL	Japanese white pine						50 x 2	5'-8'	20'OC
<i>Sciadopitys verticillata</i>	Japanese umbrella pine						60 x 2	5'-8'	15'OC
<i>Stewartia pseudocamellia</i>	Japanese stewartia				>		40 x 2	1' -2" c	15'OC
<i>Taxodium ascendens</i>	Pond cypress						80 x 2	5'-8'	15'OC
<i>Taxodium distichum</i>	Baldcypress						60 x 3	5'-8'	25'OC
<i>Ulmus parvifolia</i>	Lacebark elm						50 x 4	1' -2" c	35'OC
<i>Xanthocyparis nootkatensis WL</i>	Alaskan Falsecypress						60 x 3	5'-8'	25'OC

