

**Recommended Tree Planting List for the ALB Quarantine Zone
and Surrounding Areas**
New Jersey Forest Service
November 2004

<u>Plant Name</u>	<u>Notes</u>
Gray Dogwood (<i>Cornus racemosa</i>)	Small tree that grows 10-15' tall; Suitable for planting under overhead electric lines; Tolerates drought and salt; Adaptable to varying soil moisture and sun exposure; Requires little maintenance once established; Tree form cultivars are recommended over multi-stem varieties for street plantings; Recommended cultivars include Cuyahoga and Ottawa
†Crabapple (<i>Malus spp.</i>)	Generally a small tree growing 15-25' tall; Suitable for small planting spaces with overhead electric lines; Adaptable to many soil types but grows best in moist, well-drained soils; Fruits and flowers develop best in full sun; Tree form plants are recommended for street plantings; Numerous cultivars exist that vary in foliage color, fruit and flower production, and resistance to diseases; Some recommended cultivars include Adirondack, Centurion, Harvest Gold (tolerant of aerial salt), Prairifire, Purple Prince, Snowdrift, and Sugar Tyme
†Hawthorn (<i>Crataegus spp.</i>)	Small tree that grows 15-35' tall; Suitable for small planting spaces with overhead electric lines; Tolerates a wide range of urban conditions; Tree form cultivars are recommended over multi-stem varieties for street plantings; Recommended reduced-thorn cultivars include Thornless Cockspur Hawthorn (<i>C. crus-galli</i> var. <i>inermi</i>) and Crimson Cloud English Hawthorn (<i>C. laevigata</i> 'Superba'); Species with thorns include Vaughn Hawthorn (<i>C.</i> 'Vaughn') and Washington Hawthorn (<i>C. phaenopyrum</i>)
Serviceberry (<i>Amelanchier sp.</i>)	Small tree that grows 20-30' tall; Suitable for small planting spaces with overhead electric lines; Prefers well-drained, moist, acid soils of medium texture; Tree form cultivars are recommended over multi-stem varieties for street plantings; Recommended cultivars include Robin Hill, Autumn Brilliance, Spring Glory, and Reflection
†Eastern Redbud (<i>Cercis canadensis</i>)	Small tree that grows 20-30' in height; Suitable for planting under overhead electric lines; Adaptable to a wide range of site conditions including varying soil pH, sun exposure, and soil moisture except excessive lack of water or excessive moisture; Tree form cultivars are recommended over multi-stem varieties for street plantings; Recommended cultivars include Royal White, Dwarf White (grows 8-10' tall), Northland Strain, and Forest Pansy

* May not be suitable for planting along streets

† Fall Dig Hazard; May not be available from October -December

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† Ornamental Cherry (<i>Prunus spp.</i>)	Height varies with species but in general the heights range from 20-35'; Most species are hearty and produce attractive flowers; May be sensitive to pollution; Recommended cultivars include Columnar Sargent Cherry (<i>P. sargentii</i> 'Columnaris'), Kwanzan Oriental Cherry (<i>P. serrulata</i> 'Sekiyama'), Shubert Chokecherry (<i>P. virginia</i> 'Shubert'), and Accolade Flowering Cherry (<i>P.</i> 'Accolade')
† Kousa Dogwood (<i>Cornus kousa</i>)	Small tree that grows 20-30' tall; Suitable for planting under overhead electric lines; Prefers rich, acid, well-drained soil; Highly resistant to diseases; Tree form cultivars are recommended over multi-stem varieties for street plantings; Recommended cultivars include Milky Way, Satomi, and Samaritan; Fruitless cultivars include Celestial and Constellation
Japanese Tree Lilac (<i>Syringa reticulata</i>)	Small tree that grows 20-30' in height; Suitable for small planting spaces with overhead electric lines; Prefers full sun and well-drained soil; Transplants readily; Recommended cultivars include Ivory silk, Regent, and Summer Snow
* White Fringetree (<i>Chionanthus virginicus</i>)	Small tree that grows 12-20' tall; Wide spreading branching habit makes this tree unsuitable for small, narrow planting spaces; Grows best in moist, fertile, acid soils but is adaptable to various site conditions; Prefers full sun
American Arborvitae cultivars (<i>Thuja occidentalis</i>)	Height varies with cultivars, but in general do not exceed heights of 30'; Suitable for small planting spaces with overhead electric lines; Grows best in moist, well-drained, marshy loam soils, but will survive in limestone soils; Prefers full sun; Tolerates compaction, heat, and drought; Susceptible to deer browsing; Recommended cultivars include Emerald, Nigra, and Pyramidalis
Chinese Juniper cultivars (<i>Juniperus chinensis</i>)	Height varies with cultivars, but in general do not exceed heights of 30'; Suitable for small planting spaces with overhead electric lines; Grows best in moist, well-drained soils but tolerates dry soil and varying soil pH; Resistant to salt; Prefers full sun; Do not plant near crabapples, hawthorns, or serviceberries because junipers may serve as an alternate host for rust diseases; Recommended cultivars include Robusta Green and Spartan
* Flowering Dogwood (<i>Cornus florida</i>)	Medium tree that grows 20-40' tall; Prefers sites with partial shade and moist soils; Adequate width space required for wide branching form

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Eastern Redcedar cultivars (<i>Juniperus virginiana</i>)	Height varies with cultivars, but in general do not exceed heights of 30'; Suitable for small planting spaces with overhead electric lines; Grows best in moist, well-drained soils but tolerates poor soils and varying soil pH; Prefers full sun; Do not plant near crabapples, hawthorns, or serviceberries because junipers may serve as an alternate host for rust diseases; Some cultivars include Emerald Sentinel and Manhattan Blue
*Magnolia (<i>Magnolia spp.</i>)	Height varies with species but in general reaches 20-40' in height; Tree form plants are recommended for street plantings; Adequate width space required for wide branching form; Some species are sensitive to spring frost; Trees valued for their attractive flowers and foliage; Some recommended cultivars include Galaxy Magnolia (<i>M. liliiflora</i> x <i>M. sprengeri</i>), Oyama Magnolia (<i>M. sieboldii</i>), Yulan Magnolia (<i>M. denudata</i>), and Saucer Magnolia (<i>M. x soulangiana</i>)
†European Hornbeam (<i>Carpinus betulus</i>)	Medium tree that grows 35-40' tall; Adaptable to a wide range of site conditions including varying soil moisture, soil pH, and sun exposure; Tolerates urban conditions including pollution; Fastigiata is a recommended cultivar due to its upward branching and compact crown form
†Callery Pear (<i>Pyrus calleryana</i>)	Height varies with cultivars, but in general grows 30-45' tall; Tolerates urban conditions including pollution, drought and variable soil conditions; Recommended cultivars include Aristocrat, Autumn Blaze, Capital, Chanticleer, and Redspire; Bradford is <i>not</i> recommended due to structural instability; Dwarf varieties that grow 15-20' in height are better suited for planting under electric lines, including Westwood (<i>P. fauriei</i>), Southworth (<i>P. betulaefolia</i>), and Whitehouse
†Goldenraintree (<i>Koelreuteria paniculata</i>)	Medium tree that grows 30-40' tall; Adaptable to a wide range of soils; Tolerates urban stresses including drought, heat, wind, and air pollution; Prefers full sun; Transplants well
*American Yellowwood (<i>Cladrastis kentukea</i>)	Medium tree that grows 30-50' tall; Suitable for large planting spaces with no overhead interference; Grows best in well drained, alkaline soil; Prefers full sun; Sensitive to drought, compaction, canker, and <i>Verticillium</i> wilt
Swiss Stone Pine (<i>Pinus cembra</i>)	Medium tree that grows 30-40' in height but can reach 70'; Suitable for planting spaces with no overhead interference; Prefers well-drained, loamy soil with slight acidity; Grows best in open areas with full sun
Carolina Silverbell (<i>Halesia tetraptera</i>)	Medium tree that grows 30-40' tall; Prefers moist, well-drained, slightly acidic soils; Grows best in partial shade but will survive in full sun; Resistant to most serious pests; Various cultivars exist that offer variation in foliage and flower color

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<u>Plant Name</u>	<u>Notes</u>
† American Hophornbeam (<i>Ostrya virginiana</i>)	Medium tree that grows 30-40' tall; Grows best in moist, well-drained soils and full to partial sun; Sensitive to salt and other urban stresses
*† Amur Corktree (<i>Phellodendron amurense</i>)	Medium tree that grows 35-45' tall; Tolerates a wide range of soil conditions and drought; Does well in city plantings where there is adequate space for root growth; Fruitless male trees are available
Stewartia (<i>Stewartia spp.</i>)	Medium tree that grows 20-40' tall; May be difficult to transplant; Prefers moist, acidic soils; Grows best in full sun and partial shade during the hottest part of the day; Does not tolerate drought; Known for its fall color, flowers, and flaky bark; Recommended species include Japanese Stewartia (<i>Stewartia pseudocamellia</i>) and Korean Stewartia (<i>Stewartia koreana</i>)
† Katsuratree (<i>Cercidiphyllum japonicum</i>)	Tall tree that grows 40-60' tall; May be difficult to transplant; Grows best in rich, moist, and well-drained soils; Prefers full sun; Adaptable to varying soil pH; Ample watering recommended after transplanting to insure establishment; A dwarf cultivar, Heronswood Globe, grows 15' tall and is suitable for planting in small planting spaces with overhead electric lines
† Oak (<i>Quercus spp.</i>)	Height varies with species, but in general, oaks are large trees that require large spaces to grow; Heights can vary from 40-80'; Species that tolerate urban conditions include Sawtooth Oak (<i>Q. acutissima</i>), Swamp White Oak (<i>Q. bicolor</i>), Shingle Oak (<i>Q. imbricaria</i>), Bur Oak (<i>Q. macrocarpa</i>), Pin Oak (<i>Q. palustris</i>), Willow Oak (<i>Q. phellos</i>), English Oak (<i>Q. robur</i>), Northern Red Oak (<i>Q. rubra</i>), and Shumard Oak (<i>Q. shumardii</i>)
Turkish Filbert (<i>Corylus colurna</i>)	Tall tree that grows 45-60' tall; Suitable for large spaces with no overhead interference; Tolerates a wide range of site conditions; Low maintenance once established; Prefers full sun and does best when watered for the first year after planting
Serbian Spruce (<i>Picea omorika</i>)	Tall tree that grows 50-60' in height but can reach 100'; Suitable for planting spaces with no overhead interference; Prefers deep, moist, well-drained soil and semi-shade but will adapt to full sun; May tolerate air pollution
† Silver Linden (<i>Tilia tomentosa</i>)	Tall tree that grows 50-70' tall; Wide branching crown makes this tree best suited for large planting spaces; Tolerates heat, drought, and pollution; Adaptable to varying soil pH, soil compaction, and varying sun exposure; Transplants readily; Grows best on deep, fertile soils; Recommended cultivars include Green Mountain and Sterling
Littleleaf Linden (<i>Tilia cordata</i>)	Tall tree that grows 50-80' tall; Suitable for large spaces with no overhead interference; Grows best on deep, fertile soils; Adaptable to varying soil pH, soil compaction, and varying sun exposure; Somewhat sensitive to drought and salt; Transplants readily; Recommended cultivars include Chancellor, Corinthian, Fairview, Glenleven, and Greenspire

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<u>Plant Name</u>	<u>Notes</u>
Ginkgo (<i>Ginkgo biloba</i>)	Tall tree that grows 50-80' tall; Suitable for spaces with no overhead interference; Very tolerant of pollution and other urban stresses; Tolerates a wide range of soils; A fruitless variety, or male clone, is recommended due to strong fruit odor; Recommended cultivars include Autumn Gold, Lakeview, Magyar, and Princeton Sentry
†Japanese Zelkova (<i>Zelkova serrata</i>)	Tall tree that grows 50-80' tall; Suitable for spaces with no overhead interference; Prefers moist, deep soil; Tolerant to pollution; Adaptable to varying soil pH; Transplants readily; Once established, very drought and wind tolerant; Recommended cultivars include Green Vase and Village Green
Upright White Pine (<i>Pinus strobus</i> Fastigiata)	Tall tree that grows 50-80' in height and can reach 150'; Suitable for large, narrow planting spaces due to its upright form; Prefers moist, well-drained soils but will tolerate a range of moisture levels; Intolerant of air pollutants and salts; Susceptible to white pine weevil damage
Honeylocust (<i>Gleditsia triacanthos</i>)	Tall tree that grows 60-70' tall; Suitable for large spaces with no overhead interference; Tolerates salt, heat, drought, compaction and other urban conditions; Transplants readily; Grows best in full sun; Thornless and reduced-fruiting varieties include Moraine, Shademaster, and Skyline
*Kentucky Coffeetree (<i>Gymnocladus dioicus</i>)	Tall tree that grows 60-75' tall; Suitable for large spaces with no overhead interference; Tolerates urban conditions including salt and drought; Requires full sun; Male trees are free of fruit pods
Leyland Cypress (<i>x Cupressocyparis leylandii</i>)	Tall tree that grows 60-70' in height and can reach 100'; Suitable for planting spaces with no overhead interference; Adaptable to wide range of soil but does not tolerate poor drainage; Tolerates salt; Grows best in full sun; Numerous cultivars exist that vary in foliage color, branching pattern, growth rate, and height growth
†American Sweetgum (<i>Liquidambar styraciflua</i>)	Tall tree that grows 60-75' tall; Suitable for large planting spaces with no overhead interference; Must provide adequate space for root establishment and growth; Grows best in moist, slightly acid soil and full sun; Many cultivars exist that offer variation in foliage color and plant form; A fruitless cultivar, 'Rotundiloba' may be better suited in areas where fruit litter is undesirable
†Baldcypress (<i>Taxodium distichum</i>)	A tall deciduous conifer that grows 60-80' in height; Suitable for large spaces with no overhead interference; Grows best on deep, moist, sandy loam soils but is adaptable to various soil moisture conditions; Prefers acid soil and full sun; Relatively free of diseases and insects; Cultivars well suited for narrow spaces include Shawnee Brave and Prairie Sentinel

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<u>Plant Name</u>	<u>Notes</u>
Dawn Redwood (<i>Metasequoia glyptostroboides</i>)	A tall deciduous conifer that grows 65-85' tall; Grows fast; Suitable for large spaces with no overhead interference; Resistant to air pollution; Transplants readily; Prefers full sun and acid soils
*†Tulip Tree (<i>Liriodendron tulipifera</i>)	Tall, fast growing tree that reaches 90-120' in height; Grows best in a large open space with no overhead interference; Prefers full sun and well-drained, moist soils
*†Blackgum/Tupelo (<i>Nyssa sylvatica</i>)	Tall tree that grows 60-70' tall; Suitable for large planting spaces with no overhead interference; Grows in well-drained and poorly drained soil but prefers acid soil with full sun; Sensitive to compaction; Tolerates some salt; Does best when watered for the first year after planting; Brilliant fall color
†Mountain Silverbell (<i>Halesia monticola</i>)	Tall tree that grows 60-80' tall; Similar to <i>H. tetraptera</i> , but has larger flowers and fruit; The variety <i>vestita</i> has a tendency to maintain a central leader, making the tree suitable for street planting sites with no overhead interference
*†Beech (<i>Fagus spp.</i>)	Tall, large tree that grows 50-60' tall; Suitable for large planting spaces with no overhead interference; Prefers moist, well-drained, acidic soil; Does not tolerate wet or compacted sites; Grows best in full sun but will survive in shady areas; American beech (<i>F. grandifolia</i>) has no cultivars but is an impressive tree when planted in large areas like parks; European beech (<i>F. sylvatica</i>) has many cultivars including 'Asplenifolia' (fern-like leaves), 'Atropunicea' (purple leaf), 'Pendula' (weeping branches), and 'Rotundifolia'

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DO NOT PLANT THESE HOST TREES ATTACKED BY ALB

MAPLE (*Acer spp.*)
HORSECHESTNUT (*Aesculus spp.*)
WILLOW (*Salix spp.*)
ELM (*Ulmus spp.*)
BIRCH (*Betula spp.*)
MIMOSA (*Albizia julibrissin*)

HACKBERRY (*Celtis spp.*)
ASH (*Fraxinus spp.*)
SYCAMORE / PLANETREE (*Platanus spp.*)
MOUNTAIN ASH (*Sorbus spp.*)
POPLAR (*Populus spp.*)

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United States Department of Agriculture
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References

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