

Tree species	Planting size (height(ft.)/ caliper(in.))	Spread at planting (ft.)	10 year spread (ft.)	10 year coverage (sq. ft.)	20 year spread (ft.)	20 year coverage (sq. ft.)
DECIDUOUS TREES:						
Acer buergeranum	6-7	3-4	8-10	50-79	12-15	113-177
A. campestre	6-7	3-4	8-10	50-79	12-15	113-177
A. ginnala	6-7	3-4	8-10	50-79	12-15	113-177
A. palmatum	6-7	3-4	8-10	50-79	12-15	113-177
A. platanoides	2-2 1/2	5-7	12-15	113-177	15-20	177-314
A. pseudoplatanus	2-2 1/2	5-7	12-15	113-177	15-20	177-314
A. rubrum	2-2 1/2	5-7	12-15	113-177	15-20	177-314
A. saccharinum	2-2 1/2	5-7	15-17	177-227	22-25	280-491
A. saccharum	2-2 1/2	5-7	12-15	113-177	15-20	177-314
Aesculus hippocastanum	2-2 1/2	5-7	12-15	113-177	18-22	254-380
Albizia julibrissin	6-7	3-4	10-12	79-113	12-15	113-177
Alnus glutinosa	2-2 1/2	5-7	10-12	79-113	15-18	177-254
Amelanchier arborea	6-7	4-6	10-12	79-113	14-16	154-201
A. laevis						
Betula maximowicziana	2-2 1/2	3-5	10-12	79-113	15-18	177-254
B. nigra	2-2 1/2	5-7	13-16	133-201	18-20	254-314
B. papyrifera	2-2 1/2	4-6	10-12	79-113	15-18	177-254
B. pendula	2-2 1/2	3-5	10-12	79-113	18-20	254-314
B. platyphylla	2-2 1/2	3-5	10-12	79-113	15-18	177-254
Carpinus betulus 'Fastigiata'	2-2 1/2	2-3	6-8	28-50	10-12	79-113
C. caroliniana	2-2 1/2	3-5	10-12	79-113	12-15	113-177
Carya illinoensis	2-2 1/2	5-7	15-17	177-227	20-25	314-491
C. ovata	2-2 1/2	5-7	10-13	79-133	12-15	113-177
Castanea mollissima	2-2 1/2	5-7	10-12	113-177	12-15	113-177
Celtis laevigata	2-2 1/2	5-7	12-14	113-154	15-18	177-254
C. occidentalis	2-2 1/2	5-7	13-16	133-201	18-22	254-380
Cercidiphyllum japonicum	6-7	2-3	8-10	50-79	12-15	113-177
Cercis canadensis	6-7	2-3	10-12	79-113	13-16	133-201
C. chinensis	6-7	2-3	8-10	50-79	10-13	70-133
Chioanthus virginicus	6-7	2-3	8-10	50-79	10-12	79-113
Cladrastis lutea	2-2 1/2	3-5	12-15	113-177	15-18	177-254
Cornus florida	6-7	2-3	8-10	50-79	12-15	113-177
C. kousa	6-7	2-3	10-12	79-113	12-15	113-177
C. mas	6-7	2-3	6-8	28-50	8-12	50-113
Cotinus coggygria	6-7	3-4	8-10	50-79	12-15	113-177

Tree species	Planting size (height(ft.)/ caliper(in.))	Spread at planting (ft.)	10 year spread (ft.)	10 year coverage (sq. ft.)	20 year spread (ft.)	20 year coverage (sq. ft.)
<i>Crataegus crusgalli</i>	6-7	3-4	10-12	79-113	12-15	113-177
<i>C. phaenopyrum</i>	6-7	3-4	8-10	50-79	10-12	79-113
<i>C. viridis</i>	6-7	3-4	8-10	50-79	12-15	113-177
<i>Diospyros virginiana</i>	2-2 1/2	4-6	10-12	79-113	12-15	113-177
<i>Elaeagnus angustifolia</i>	6-7	3-4	10-12	79-113	15-18	177-254
<i>Eucommia ulmoides</i>	2-2 1/2	4-6	10-12	79-113	12-15	113-177
<i>Fagus grandifolia</i>	2-2 1/2	4-5	10-12	79-113	12-15	113-177
<i>F. sylvatica</i>	2-2 1/2	4-5	10-12	79-113	12-15	113-177
<i>Franklinia alatamaha</i>	6-7	2-3	8-10	50-79	10-13	79-133
<i>Fraxinus americana</i>	2-2 1/2	4-5	12-15	113-177	15-18	177-254
<i>F. pennsylvanica</i>	2-2 1/2	4-5	10-12	79-113	12-15	113-177
'Marshall's Seedless'						
'Patmore' & 'Summit'						
<i>Ginkgo biloba</i>	2-2 1/2	3-5	8-10	50-79	10-13	79-133
'Sentry'	2-2 1/2	2-3	6-8	28-50	8-10	50-79
<i>Gleditsia triacanthos</i> var. <i>inermis</i>	2-2 1/2	3-5	13-16	133-201	16-20	201-314
'Imperial' & 'Skyline'						
Shademaster'						
<i>Gymnocladus dioicus</i>	2-2 1/2	5-7	10-12	79-113	12-15	113-177
<i>Juglans nigra</i>	2-2 1/2	5-7	12-15	113-177	18-20	254-314
<i>Koelreuteria paniculata</i>	6-7	2-3	8-10	50-79	12-15	113-177
<i>Lagerstroemia indica</i>	6-7	3-4	6-8	28-50	12-15	113-177
<i>Larix decidua</i>	2-2 1/2	5-7	12-14	113-154	15-18	177-254
<i>Liquidambar styraciflua</i>	2-2 1/2	5-7	12-15	113-177	15-18	177-254
<i>Liriodendron tulipifera</i>	2-2 1/2	5-7	12-15	177-227	15-18	177-254
<i>Maclura pomifera</i>	2-2 1/2	5-7	13-15	133-177	18-20	254-314
<i>Magnolia acuminata</i>	2-2 1/2	5-7	8-10	50-79	12-15	113-177
<i>M. macrophylla</i>	6-7	3-4	7-9	38-64	10-12	79-113
<i>M. x soulangiana</i>	6-7	3-4	8-10	50-79	10-15	79-177
<i>M. stellata</i>	6-7	3-4	5-7	20-38	8-10	50-79
<i>M. virginiana</i>	6-7	3-4	8-10	50-79	10-12	79-113
<i>Malus</i> spp.	6-7	3-4	8-12	50-113	10-15	79-177

Tree species	Planting size (height(ft.)/ caliper(in.))	Spread at planting (ft.)	10 year spread (ft.)	10 year coverage (sq. ft.)	20 year spread (ft.)	20 year coverage (sq. ft.)
Metasequoia glyptostroboides	2-2 1/2	3-4	8-10	50-79	12-15	113-177
Morus spp.	2-2 1/2	5-7	12-15	113-177	15-20	117-314
Nyssa sylvatica	2-2 1/2	3-5	8-10	50-79	12-15	113-177
Oxydendron arboreum	6-7	2-3	8-10	50-79	10-12	79-113
Phellodendron amurense	2-2 1/2	5-7	12-14	113-154	15-18	177-254
Platanus x acerifolia	2-2 1/2	5-7	14-16	154-201	18-22	254-380
P. occidentalis	2-2 1/2	5-7	16-18	201-254	20-25	314-491
Prunus cerasifera	6-7	3-4	8-10	50-79	12-15	113-177
P. persica	6-7	3-4	6-8	28-50	10-13	79-112
P. sargentii	6-7	3-4	8-10	50-79	12-15	113-177
P. serotina	6-7	5-7	10-12	79-113	13-16	133-201
P. serrulata						
P. serrulata 'Kwanzan'	6-7	3-4	8-10	50-79	12-15	113-177
P. subhirtella	6-7	3-4	8-10	50-79	10-13	79-133
P. x yedoensis	6-7	3-4	8-10	50-79	10-13	79-133
Pyrus calleryana	2-2 1/2					
'Aristocrat'	2-2 1/2	4-5	12-15	113-177	18-20	254-314
'Autumn Blaze'	2-2 1/2	3-5	10-12	79-113	12-15	113-177
'Bradford'	2-2 1/2	4-5	12-15	113-177	15-18	177-254
'Capital'	2-2 1/2	3-5	6-8	28-50	8-10	50-79
'Chanticleer'	2-2 1/2	3-5	6-8	28-50	8-10	50-79
'Redspire'	2-2 1/2	3-5	10-12	79-113	12-15	113-177
'Whitehouse'	2-2 1/2	3-5	8-10	50-79	10-12	79-113
Quercus acutissima	2-2 1/2	3-4	8-10	50-79	12-15	113-177
Q. alba	2-2 1/2	4-5	10-12	79-113	15-18	177-254
Q. bicolor	2-2 1/2	4-5	10-12	79-113	15-18	177-254
Q. coccinea	2-2 1/2	4-5	10-12	70-113	15-18	177-254
Q. imbricaria	2-2 1/2	4-5	12-14	113-154	15-18	177-254
Q. laurifolia	2-2 1/2	3-5	10-12	79-113	12-15	113-177
'Darlington'	2-2 1/2	3-5	8-10	50-79	10-12	79-113
Q. macrocarpa	2-2 1/2	4-5	10-12	79-113	12-15	113-177
Q. nigra	2-2 1/2	4-5	12-14	113-154	15-18	177-254
Q. palustris	2-2 1/2	5-7	12-15	113-177	15-18	177-254
Q. phellos	2-2 1/2	3-5	10-12	79-113	12-15	113-177
Q. prinus	2-2 1/2	4-5	10-12	79-113	12-15	113-177
Q. robur	2-2 1/2	3-5	10-12	79-113	12-15	113-177
'Fastigiata'	2-2 1/2	2-3	6-8	28-50	8-10	50-79
Q. rubra	2-2 1/2	4-5	12-15	113-177	15-18	177-254
Robinia pseudoacacia	2-2 1/2	3-4	8-10	50-79	10-13	79-133
Salix babylonica	2-2 1/2	4-5	15-17	177-227	20-25	314-491
S. matsudana "Tortuosa"	2-2 1/2	3-4	10-12	79-113	12-15	113-177
S. nigra	2-2 1/2	3-5	12-15	113-177	15-18	177-254

Tree species	Planting size (height(ft.)/ caliper(in.))	Spread at planting (ft.)	10 year spread (ft.)	10 year coverage (sq. ft.)	20 year spread (ft.)	20 year coverage (sq. ft.)
Sophora japonica	2-2 1/2	3-4	10-12	79-113	15-18	177-254
Sorbus alnifolia	2-2 1/2	3-4	10-12	79-113	15-18	177-254
Stewartia koreana	6-7	2-3	6-8	28-50	10-12	79-113
S. ovata	6-7	2-3	6-8	28-50	10-12	79-113
S. pseudocamellia	6-7	2-3	6-8	28-50	10-12	79-113
Styrax japonicus	6-7	2-3	8-10	50-79	12-15	113-177
Syringa reticulata	6-7	2-3	6-8	28-50	10-12	79-113
Taxodium disticum	2-2 1/2	3-4	8-10	50-79	12-15	113-177
Tilia americana 'Legend' & 'Redmond'	2-2 1/2	3-4	12-15	113-177	17-20	227-314
T. cordata 'Glenleven' & 'Greenspire'	2-2 1/2	3-4	10-12	79-113	12-15	113-177
Ulmus americana	2-2 1/2	3-5	15-17	177-227	20-25	314-491
U. hollandica 'Groenveldt'	2-2 1/2	3-5	12-15	113-177	18-22	254-380
U. parvifolia	2-2 1/2	3-5	10-12	79-113	12-15	113-177
Zelkova serrata	2-2 1/2	3-5	10-12	79-113	12-15	113-177

EVERGREEN TREES:

Tree species	Planting size (height(ft.)/ caliper(in.))	Spread at planting (ft.)	10 year spread (ft.)	10 year coverage (sq. ft.)	20 year spread (ft.)	20 year coverage (sq. ft.)
Abies concolor	6-7	2-4	6-8	28-50	8-10	50-79
A. fraseri	6-7	2-4	6-8	28-50	8-10	50-79
Calocedrus decurrens (Libocedrus)	6-7	2-3	3-5	7-20	4-6	13-28
Cedrus atlantica	6-7	3-4	6-8	28-50	10-12	79-113
C. deodara	6-7	3-4	8-10	50-79	12-15	113-177
Chamaecyparis lawsoniana	6-7	2-4	6-8	28-50	8-10	50-79
C. obtusa	6-7	2-3	3-5	7-20	5-7	20-38
C. pisifera 'Plumosa'	6-7	2-3	5-7	20-38	8-10	50-79
C. thyoides	6-7	2-3	5-7	20-38	8-10	50-79
Cryptomeria japonica	6-7	2-3	6-8	28-50	8-10	50-79
Cunninghamia lanceolata	6-7	3-4	6-8	28-50	12-15	113-177
x Cupressocyparis Leylandii	2-2 1/2	3-5	8-10	50-79	10-12	79-113
Ilex aquifolium	6-7	2-4	4-6	20-38	6-8	28-50

Tree species	Planting size (height(ft.)/ caliper(in.))	Spread at planting (ft.)	10 year spread (ft.)	10 year coverage (sq. ft.)	20 year spread (ft.)	20 year coverage (sq. ft.)
<i>I. x attenuata</i> 'Fosteri'	6-7	2-4	6-8	28-50	8-10	50-79
<i>I. x</i> 'Nellie R. Stevens'	6-7	3-5	7-9	38-64	10-12	79-113
<i>I. opaca</i>	6-7	2-4	5-7	20-38	7-10	38-79
<i>I. vomitoria</i>	6-7	2-4	5-7	20-38	7-10	38-79
<i>Juniperus chinensis</i>	6-7	3-5	6-8	28-50	8-12	50-113
'Denserecta'	6-7	3-5	2-4	3-13	3-5	7-20
'Hetzii Columnaris'	6-7	3-5	2-4	3-13	3-5	7-20
'Keteleeri'	6-7	3-5	4-6	13-28	6-8	28-50
'Robusta Green'	6-7	3-5	3-5	7-20	5-7	20-38
'Torulosa'	6-7	3-5	2-4	3-13	3-5	7-20
<i>J. scopulorum</i>	6-7					
'Blue Heaven'	6-7	2-3	3-5	7-20	5-7	20-38
'Cologreen'	6-7	2-3	2-4	3-13	3-5	7-20
'Columnaris'	6-7	2-3	2-4	3-13	3-5	7-20
'Erecta Glauca'	6-7	2-3	3-5	7-20	5-7	20-38
'Gray Gleam'	6-7	2-3	2-4	3-13	3-5	7-20
'Moonglow'	6-7	2-3	2-4	3-13	3-5	7-20
<i>J. virginiana</i>	6-7	2-3	3-5	7-20	5-7	20-38
'Canaertii'			3-5	7-20	5-7	20-38
'Manhattan Blue'			2-4	3-13	4-6	13-28
'Princeton Sentry'			2-4	3-13	4-6	13-28
<i>Magnolia grandiflora</i>	2-2 1/2	5-7	12-14	113-154	15-20	177-314
<i>Picea abies</i>	6-7	3-4	10-12	79-113	12-15	113-177
<i>P. glauca</i>	6-7	3-4	8-10	50-79	10-12	79-113
'Conica'	3-4	1-2	2-3	3-7	3-4	7-13
<i>P. omorika</i>	6-7	2-3	3-5	7-20	5-7	20-38
<i>P. pungens</i>	6-7	3-4	8-10	50-79	10-13	79-133
<i>Pinus bungeana</i>	2-2 1/2	3-5	6-8	28-50	8-10	50-79
<i>P. echinata</i>	2-2 1/2	3-5	10-12	79-113	12-15	113-177
<i>P. elliotii</i>	2-2 1/2	3-5	10-12	79-113	12-15	113-177
<i>P. nigra</i>	2-2 1/2	3-5	8-10	50-79	10-13	79-133
<i>P. rigida</i>	2-2 1/2	3-5	8-10	50-79	10-12	79-113
<i>P. strobus</i>	2-2 1/2	3-5	10-12	79-113	12-15	113-177
<i>P. sylvestris</i>	2-2 1/2	3-5	8-10	50-79	12-15	113-177
<i>P. taeda</i>	2-2 1/2	3-5	10-12	79-113	12-15	113-177
<i>P. thunbergiana</i>	2-2 1/2	3-5	8-10	50-79	10-13	70-133
<i>P. virginiana</i>	2-2 1/2	3-5	10-12	79-113	12-15	113-177
<i>Pseudotsuga menziesii</i>	6-7	3-4	8-10	50-79	10-12	79-113
<i>Quercus virginiana</i>	2-2 1/2	4-5	10-15	79-177	15-20	177-314
<i>Taxus baccata</i>	6-7	2-3	5-7	20-38	7-10	38-79
'Fastigiata'	2-3	3-7	3-4	7-13		
<i>T. cuspidata</i>	6-7	2-3	3-5	7-20	5-7	20-38

Tree species	Planting size (height(ft.)/ caliper(in.))	Spread at planting (ft.)	10 year spread (ft.)	10 year coverage (sq. ft.)	20 year spread (ft.)	20 year coverage (sq. ft.)
'Capitata'	3-5	7-20	6-8	28-50		
Thuja occidentalis	6-7	3-4	3-5	7-20	5-8	20-50
T. orientalis	6-7	3-4	3-5	7-20	5-8	20-50
Tsuga canadensis	6-7	3-5	8-10	50-79	12-15	113-177
T.caroliniana	6-7	3-5	10-12	79-113	12-15	113-177