

# PLANT SPACING INFORMATION FOR VIRGINIA<sup>1</sup>

COMMON NAME	RECOMMENDED SPACING
Alder, Smooth	6' x 6'
Ash, Green	15' x 15'
Beech, American	20' x 20' up to 30' X 30'
Birch, River	30' away from competing vegetation
Cedar, Eastern Red	10' x 10' up to 20' x 20'
Chestnut, Chinese	15' x 15'
Chinkapin, Allegheny	8' x 8'
Dogwood, "Indigo" Silky	Less than 6' x 6'
Dogwood, Red Osier	2' x 2' - stream banks
Dogwood, White	15' x 15'
Gum, Sweet	20' x 20'
Hickory, Pignut	15' x 15'
Lespedeza, VA-70	3' x 3' or 4' X 4'
Locust, "Arnot" Bristly (mine reclamation only)	4' x 6' up to 6' x 6'
Locust, Black (mine reclamation only)	20' x 20' up to 30' X 30'
Maple, Red	20' x 20'
Maple, Sugar	20' x 20' or greater
Oak, Black	15' x 15'
Oak, Laurel	20' x 20'
Oak, Northern Red	20' x 20'
Oak, Pin	20' x 20' or greater
Oak, Scarlet	20' x 20'
Oak, Southern Red	20' x 20'
Oak, Water	20' x 20'
Oak, White	20' x 20'
Oak, Willow	20' x 20'
Persimmon	20' x 20'
Pine, Eastern White	10' x 10'; 5' x 5' up to 6' X 6' for Christmas trees
Pine, Loblolly	10' x 10' or as per site recommendations
Pine, Scotch	6' x 8'
Pine, Shortleaf	8' x 8' or as per site recommendations
Pine, Virginia	8' x 8' or as per site recommendations
Poplar, Yellow	15' x 15' up to 20' x 20'
Spruce, Norway	6' X 6' or greater
Sycamore	4' x 8' up to 15'
Walnut, Black	10' x 10' up to 12' x 12'
Winterberry	5' x 10'

<sup>1</sup>"Virginia Seedling Guide", Virginia Department of Forestry, Publication No. 3-93-450

## NUMBER OF TREES PER ACRE BY VARIOUS METHODS OF SPACING

SPACING (FEET)	TREES (NUMBER)	SPACING (FEET)	TREES (NUMBER)	SPACING (FEET)	TREES (NUMBER)
2 X 2	10,890	7 X 9	691	12 X 15	242
3 X 3	4,840	7 X 10	622	12 X 18	202
4 X 4	2,722	7 X 12	519	12 X 20	182
4 X 5	2,178	7 X 15	415	12 X 25	145
4 X 6	1,815	8 X 8	681	13 X 13	258
4 X 7	1,556	8 X 9	605	13 X 15	223
4 X 8	1,361	8 X 10	544	13 X 20	168
4 X 9	1,210	8 X 12	454	13 X 25	134
4 X 10	1,089	8 X 15	363	14 X 14	222
5 X 5	1,742	8 X 25	218	14 X 15	207
5 X 6	1,452	9 X 9	538	14 X 20	156
5 X 7	1,245	9 X 10	484	14 X 25	124
5 X 8	1,089	9 X 12	403	15 X 15	194
5 X 9	968	9 X 15	323	15 X 20	145
5 X 10	871	10 X 10	436	15 X 25	116
6 X 6	1,210	10 X 12	363	16 X 16	170
6 X 7	1,037	10 X 15	290	16 X 20	136
6 X 8	908	10 X 18	242	16 X 25	109
6 X 9	807	11 X 11	360	18 X 18	134
6 X 10	726	11 X 12	330	18 X 20	121
6 X 12	605	11 X 15	264	18 X 25	97
6 X 15	484	11 X 20	198	20 X 20	109
7 X 7	889	11 X 25	158	20 X 25	87
7 X 8	778	12 X 12	302	25 X 25	70

# CONIFERS

## Recommended Species and Spacing for Reforestation\*

X = Species Recommended

SPECIES & SPACING	COASTAL PLAIN	PIEDMONT	MOUNTAINS
Loblolly Pine (1) 10' x 10' or as recommended by VDOF	x	x	x (2)
Longleaf Pine (3) 12' x 12' or as recommended by VDOF	x		
Shortleaf Pine (4) Minimum/AC 8' x 12' # Maximum/ AC 6' x 10'		x	x (5)
Virginia Pine (6) Minimum/AC 8' x 8' Maximum/ AC 6' x 6'		x	x (7)
Eastern Redcedar Recommended spacing = 5' x 10'	x	x	x
Eastern White Pine Minimum/AC 12' x 12' Maximum/AC 7' x 10'		x  Limited use	x

\*Spacing can be varied to meet landowner objectives, level of management, and potential for commercial or precommercial thinning.

# To achieve maximum recommended stocking rates, use this spacing.

- (1) Not recommended on sands over 30" in depth.
- (2) Check with VDOF for planting recommendations for the mountains.
- (3) Best species for sands over 30" in depth.
- (4) Do not plant on severely eroded soil.  
Adapted to dry, infertile soils.
- (5) Recommended up to 2,500' elevation.
- (6) Adapted to severely eroded soil.  
For erosion control.
- (7) Recommended to 2,500' elevation.