

NORTH CAROLINA FOREST TREE PLANTING GUIDE

CONIFERS

Species	Coastal Plain	Sandhills	Lower Piedmont	Upper Piedmont	Mountains
Loblolly pine	7 x 10 Not recommended on deep dry sands	7 x 10	7 x 10	7 x 10	7 x 10 Clay, Cherokee, Macon up to 1500 ft.
Longleaf pine	5 x 10 Best adapted species for deep dry sands	5 x 10	Not recommended	Not recommended	Not recommended
Maritime (cluster) pine	5 x 5 Beach dunes only	Not recommended	Not recommended	Not recommended	Not recommended
Pond pine	7 x 10 Not recom. on deep dry sands	Not recommended	Not recommended	Not recommended	Not recommended
Shortleaf pine	Not recommended	Not recommended	5 x 10 Do not plant on severely eroded heavy clay soils	5 x 10	Not generally recommended
Slash pine	7 x 10 Not recommended N. of U.S. Hwy. #64	7 x 10 Deep, moderately dry sands	Not recommended	Not recommended	Not recommended
Virginia pine	Not recommended	Not recommended	5 x 10 5 x 10 5 x 10 See Note #2a Adapted to grow on severely eroded heavy clay soils		
White pine	Not recommended	Not recommended	Not generally recommended See Note #2a	7 x 10 See Note #2a	7 x 10 See Note #2a
Bald cypress	6 x 10 See Note #1	Not generally recommended See Note #1	Not recommended	Not recommended	Not recommended
Red cedar	5 x 10 See Note #2a	5 x 10 See Note #2a	5 x 10 See Note #2a	5 x 10 See Note #2a	Not recommended

Trees per acre: 5 X 5 = 1,742 5 X 10 = 870 6 X 10 = 726 7 X 10 = 622 8 X 10 = 545 10 X 10 = 435

Note #1—These species require specific soil and site conditions to produce satisfactory growth. They should be planted only when recommended by a forester or soil conservationist familiar with their requirements.

Note #2a—Spacing recommendations for Christmas-tree production may be found in other publications.

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HARDWOODS

Species	Coastal Plain	Sandhills	Lower Piedmont	Upper Piedmont	Mountains
Green ash	10 x 10 See Note #1	Not recommended	Not generally recommended See Note #1	Not generally recommended See Note #1	Not generally recommended See Note #1
Black gum (Swamp tupelo)	10 x 10 See Note #1	Not recommended	Not recommended	Not recommended	Not recommended
Tupelo gum (Water tupelo)	10 x 10 See Note #1	Not recommended	Not recommended	Not recommended	Not recommended
Black locust	Not recommended	Not recommended	8 x 10	8 x 10	8 x 10
Yellow-poplar	8 x 10 See Note #1	Not recommended	8 x 10 See Note #1	8 x 10 See Note #1	8 x 10 See Note #1
Sweetgum	10 x 10 See Note #1	Not recommended	Not generally recommended See Note #1	Not generally recommended See Note #1	Not recommended
Sycamore	10 x 10 See Note #1	Not recommended	Not generally recommended See Note #1	Not generally recommended See Note #1	Not generally recommended See Note #1
Black walnut	See Notes #1 and #2b	Not recommended	See Note #1 and #2b	See Notes #1 and #2b	See Notes #1 and #2b

Note #1—These species require specific soil and site conditions to produce satisfactory growth. They should be planted only when recommended by a forester or soil conservationist familiar with their requirements.

Note #2b— X ← 8' → 0 0 0 X

↑
10'
↓

0 0 X 0 0

X 0 0 0 X

Trees per acre: 8 X 10 = 545 10 X 10 = 435

X = Black Walnut

0 = Other Species (yellow poplar, green ash, red oak, maple)

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