Sample planting grids

All chestnuts in the planting must have permanent embossed numerical tags for that planting and will be monitored by that tag.

The basic module is 6 x 6 ft spacing with a minimum of 20 ft borders. Such plantings allow easy fencing and mowing.

Rows and columns need not be continuous nor do they need to be the same length. Mapping should show gaps. Create a simple schematic map of the planting once done.

These configurations can be modified in a wide variety of ways but if lengthened in either direction, a depth of a least 3 rows in any dimension should be maintained.

Remember that the pines are an early succession planting designed to create early site coverage and encourage upward growth in hardwoods. Their removal will be a first step in thinning.

Different configurations will impose other thinning regimens over time: for example, red oaks might be removed in #1 over time if there is high chestnut survival and vigorous growth.

These plantings are designed to introduce at least 30 chestnuts on the site. These should represent at least 2-3 chestnut families, and may include Kentucky stump sprout families.

#1. Alternate row planting

	0 24 ft	30 ft	36 ft	42 ft	48 ft	54 ft	60 ft	66 ft	72 ft	78 ft	98 ft
24 ft	Pine	Chestnut	Pine	Red Oak	Pine	Chestnut	Pine	Red Oak	Pine	Red Oak	
30 ft	Pine	Red Oak	Pine	Chestnut	Pine	Red Oak	Pine	Chestnut	Pine	Chestnut	
36 ft	Pine	Chestnut	Pine	Red Oak	Pine	Chestnut	Pine	Red Oak	Pine	Red Oak	
42 ft	Pine	Red Oak	Pine	Chestnut	Pine	Red Oak	Pine	Chestnut	Pine	Chestnut	
48 ft	Pine	Chestnut	Pine	Red Oak	Pine	Chestnut	Pine	Red Oak	Pine	Red Oak	
54 ft	Pine	Red Oak	Pine	Chestnut	Pine	Red Oak	Pine	Chestnut	Pine	Chestnut	
60 ft	Pine	Chestnut	Pine	Red Oak	Pine	Chestnut	Pine	Red Oak	Pine	Red Oak	
66 ft	Pine	Red Oak	Pine	Chestnut	Pine	Red Oak	Pine	Chestnut	Pine	Chestnut	
72 ft	Pine	Chestnut	Pine	Red Oak	Pine	Chestnut	Pine	Red Oak	Pine	Red Oak	
78 ft	Pine	Red Oak	Pine	Chestnut	Pine	Red Oak	Pine	Chestnut	Pine	Chestnut	
84 ft	Pine	Chestnut	Pine	Red Oak	Pine	Chestnut	Pine	Red Oak	Pine	Red Oak	
90 ft	Pine	Red Oak	Pine	Chestnut	Pine	Red Oak	Pine	Chestnut	Pine	Chestnut	
110 ft											

Dimensions		
110 x 98 ft	10780	sq ft
Acreage		
0.25		
Chestnuts	30	
Red Oak	27	
Pines	60	

#2 Alternative Planting with simple alternation of rows

	0 24 ft	30 ft	36 ft	42 ft	48 ft	54 ft	60 ft	66 ft	86 ft
24 ft	Pine	Chestnut	Red Oak	Pine	Chestnut	Red Oak	Pine	Red Oak	
30 ft	Pine	Red Oak	Chestnut	Pine	Red Oak	Chestnut	Pine	Chestnut	
36 ft	Pine	Chestnut	Red Oak	Pine	Chestnut	Red Oak	Pine	Red Oak	
42 ft	Pine	Red Oak	Chestnut	Pine	Red Oak	Chestnut	Pine	Chestnut	
48 ft	Pine	Chestnut	Red Oak	Pine	Chestnut	Red Oak	Pine	Red Oak	
54 ft	Pine	Red Oak	Chestnut	Pine	Red Oak	Chestnut	Pine	Chestnut	
60 ft	Pine	Chestnut	Red Oak	Pine	Chestnut	Red Oak	Pine	Red Oak	
66 ft	Pine	Red Oak	Chestnut	Pine	Red Oak	Chestnut	Pine	Chestnut	
72 ft	Pine	Chestnut	Red Oak	Pine	Chestnut	Red Oak	Pine	Red Oak	
78 ft	Pine	Red Oak	Chestnut	Pine	Red Oak	Chestnut	Pine	Chestnut	
84 ft	Pine	Chestnut	Red Oak	Pine	Chestnut	Red Oak	Pine	Red Oak	
90 ft	Pine	Red Oak	Chestnut	Pine	Red Oak	Chestnut	Pine	Chestnut	
112 ft									

Dimensions		
112 x 86	9632	Sq. Ft.
Acreage		
0.22		
Chestnuts	30	
Red Oak	30	
Pines	36	

#3: Full Staggered Planting (removal of pines leaves trees at 12 ft spacing).

	0 24 ft	30 ft	36 ft	42 ft	48 ft	54 ft	60 ft	66 ft	86 ft
24 ft	Pine	Red Oak	Pine	Red Oak	Pine	Red Oak	Pine	Red Oak	
30 ft	Chestnut	Pine	Chestnut	Pine	Chestnut	Pine	Chestnut	Pine	
36 ft	Pine	Chestnut	Pine	Chestnut	Pine	Chestnut	Pine	Chestnut	
42 ft	Red Oak	Pine	Red Oak	Pine	Red Oak	Pine	Red Oak	Pine	
48 ft	Pine	Red Oak	Pine	Red Oak	Pine	Red Oak	Pine	Red Oak	
54 ft	Chestnut	Pine	Chestnut	Pine	Chestnut	Pine	Chestnut	Pine	
60 ft	Pine	Chestnut	Pine	Chestnut	Pine	Chestnut	Pine	Chestnut	
66 ft	Red Oak	Pine	Red Oak	Pine	Red Oak	Pine	Red Oak	Pine	
72 ft	Pine	Red Oak	Pine	Red Oak	Pine	Red Oak	Pine	Red Oak	
78 ft	Chestnut	Pine	Chestnut	Pine	Chestnut	Pine	Chestnut	Pine	
84 ft	Pine	Chestnut	Pine	Chestnut	Pine	Chestnut	Pine	Chestnut	
90 ft	Red Oak	Pine	Red Oak	Pine	Red Oak	Pine	Red Oak	Pine	
96 ft	Pine	Red Oak	Pine	Red Oak	Pine	Red Oak	Pine	Red Oak	
102 ft	Chestnut	Pine	Chestnut	Pine	Chestnut	Pine	Chestnut	Pine	
108 ft	Pine	Chestnut	Pine	Chestnut	Pine	Chestnut	Pine	Chestnut	
114 ft	Red Oak	Pine	Red Oak	Pine	Red Oak	Pine	Red Oak	Pine	
134 ft									

Dimensions		
134 x 86 ft	11524	sq. ft.
Acreage:		
0.26		
Chestnuts	32	
Red Oaks	32	
Pines	64	