

SEEDLING INTENTORIES

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vine seedlings

A seedling inventory is made in the spring and fall at Louisiana Forestry Commission nurseries to determine the number of seedlings available for sale to cooperators for outplanting.

A statistically approved sampling method has been adopted to give a valid estimate of seedling population.

Data is accumulated from two types of plots in the seedling beds. They are Regular Plots and Permanent Plots.

I. Regular plots

1. One plot per bed.
2. Each plot is 1-foot long by full bed width.
3. Each plot is divided in half and each half is recorded in its proper place. In reality, there are two half plots, each being 1-foot long by half the bed width (or a nominal 2-feet).
4. Distance into the bed is determined by drawing numbers from a hat.

II. Permanent plots

1. One permanent plot is selected per six beds.
2. The bed is picked by drawing from a hat with the numbers 1 through 5 in it.
3. Distance into the bed is determined by drawing numbers from a hat.
4. Permanent plots are completely separate and different from the regular plots unless by pure chance a permanent plot should fall directly over a regular plot.
5. Permanent plots are firmly and permanently staked off.

Spring inventory

1. Seedling counts are made in the regular and permanent plots in the field and recorded in the proper place on the inventory forms. Each form is for the number of beds contained between two water lines.

This data is computed along with the number of square feet of bed space planted to give a total seedling population.

Fall inventory

1. Counts are made in the regular and permanent plots as in the spring inventory and are posted on the same form in the proper places.

2. The permanent plots are carefully lifted and graded. Those that fall in the different plantable grades are totaled by grade. Culls by size are totaled and culls because of disease are totaled. This information is entered.

3. Total population is determined from the data obtained by the counts made in the regular and permanent plots. Percentages of plantable and cull seedlings are determined from the data obtained in the lifted permanent plots. These percentage figures are computed along with the total population to give a reliable estimate of the number of plantable seedlings in the field.

Hardwood seedlings

Due to the relatively small number of seedlings involved in many species of hardwoods, a larger sampling is made.

A 1/2-percent sample is taken if the expected production of a species exceeds 250,000.

A 1 percent sample is taken if this figure exceeds 100,000.

A 2 percent sample when the figure is above 50,000.

A 4 percent sample when the anticipated production is less than 50,000 seedlings.

At the time of the spring inventory, all seedlings are counted. During the fall inventory, only the plantable seedlings are counted.

Nursery _____ Species _____ Block _____ Lin. Ft. _____ Sq.Ft. _____

Spring Regular Plot Data Date	Bed Number:		1	2	3	4	5	6	7	8	9
	Bed Length										
	Distance in to Plot										
	Plot Pairs	Left Half									
		Right Half									
Total											

Fall Regular Plot Data Date	Plot Pairs	Left Half								
		Right Half								
	Total									

Spring Permanent Plot Data Date	Bed Number:			
	Distance in to Plot			
	Plot Pairs	Left Half		
		Right Half		
Total				

Fall Permanent Plot Seedling Grades Date	Grade A		
	Grade B		
	Grade C		
	Grade D		
	Grade E		
	Total		

Estimated No. of Seedlings _____

Estimated No. Plantable _____

No. Seedlings Lifted _____

Original to Central Office. Copy to remain at Nursery.