

**2020 - 2021**

**FOREST TREE NURSERY  
SEEDLING PRODUCTION SURVEY**

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# **2020 - 2021 Survey**

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- ✓ **Questionnaire sent in June to all available nursery email addresses in 12 southern states.**
- ✓ **Used online Qualtrics to collect seedling information.**
- ✓ **Follow up telephone calls and email requests made to maximize participation and update addresses.**
- ✓ **Creation of an Excel data file, then data summary using SAS.**
- ✓ **Report preparation.**

# RESULTS

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## Questionnaire Response

- **Total of 53 surveys sent out via Qualtrics Online Form**
- **37 were filled out with seedling production numbers.**
- **16 nurseries did not respond to online request.**
- **14 of those 16 nurseries had responded to our requests in previous years.**
- **Used previous years' numbers.**
- **51 surveys in data, same data points as last year.**
- **Fewer longleaf nursery production “updates”**

# Conifer Production by Stock: 2020-21

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	Conifer Production	Percent Change from Last Year
Bareroot Stock	854,128,000	+ 5.4%
Container Stock	269,381,000	+13.0%
Total Conifer	1,123,263,000	+ 7.1%

# Conifer Production: 2020-2021

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Species	Production	Percent Change from Last Year
Loblolly Pine	905,811,000	+8.0 %
Slash Pine	103,997,000	+7.1 %
Longleaf Pine	95,438,000	-2.4 %

- 83% of Loblolly pine produced is bareroot stock, down 5% from last year
- 76% of Slash pine produced is bareroot stock, down 5% from last year
- 87% of Longleaf pine produced is container stock, same as last year

# Conifer Production: 2020-2021

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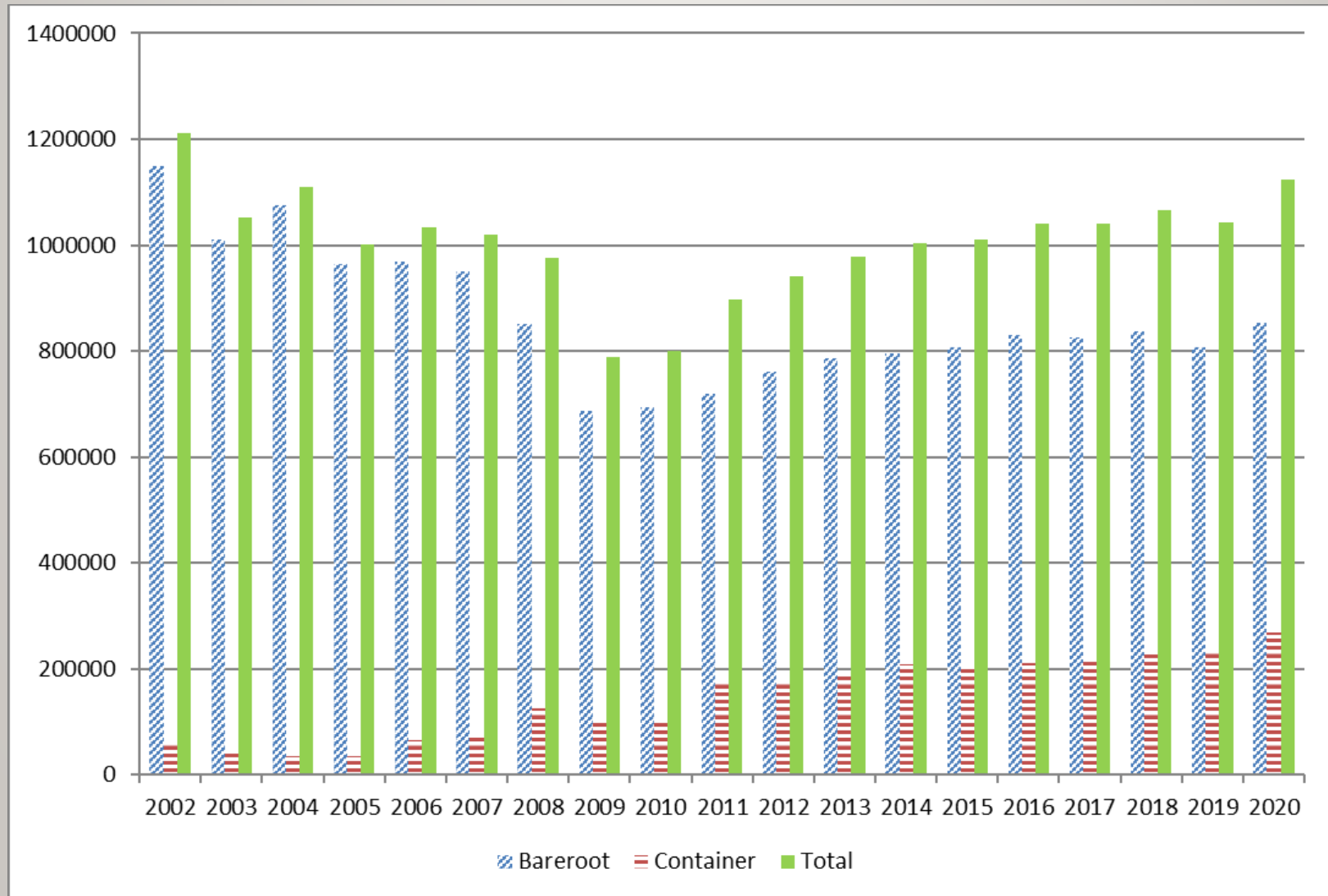
	2020-21	2019-20	2018-19	2017-18	2016-17	2015-16
Loblolly	81%	80%	80%	79%	78%	77%
Slash	09%	09%	09%	10%	11%	10%
Longleaf	08%	09%	09%	09%	09%	11%
Total	98%	98%	98%	98%	98%	98%

# Production by Ownership Category: CONIFERS

	2020-2021		2019-2020	
	Production	Percent	Production	Percent
<b>Bareroot</b>				
State	78,245,000	9	69,993,000	9
Private	605,565,000	69	555,666,000	69
Industry	194,267,000	23	182,354,000	23
<b>Container</b>				
State	8,099,000	3	7,751,000	3
Private	241,183,000	89	187,045,000	80
Industry	20,342,000	8	39,454,000	17

Table 7

# CONIFER Production by Stock Type: 2002-2020





# Hardwood Production

	2020-2021		2019-2020		2018-2019	
	Numbers	Percent Change	Numbers	Percent Change	Numbers	Percent Change
<b>Bareroot Stock</b>	<b>23,954,000</b>	<b>- 1.5%</b>	<b>24,312,000</b>	<b>+7.0%</b>	<b>22,679,000</b>	<b>+1.0%</b>
<b>Container Stock</b>	<b>243,000</b>	<b>-40.3%</b>	<b>341,000</b>	<b>+2.0%</b>	<b>335,000</b>	<b>+3.7%</b>
<b>Total Hardwood</b>	<b>24,197,000</b>	<b>-1.9%</b>	<b>24,653,000</b>	<b>+7.0%</b>	<b>23,014,000</b>	<b>+1.0%</b>

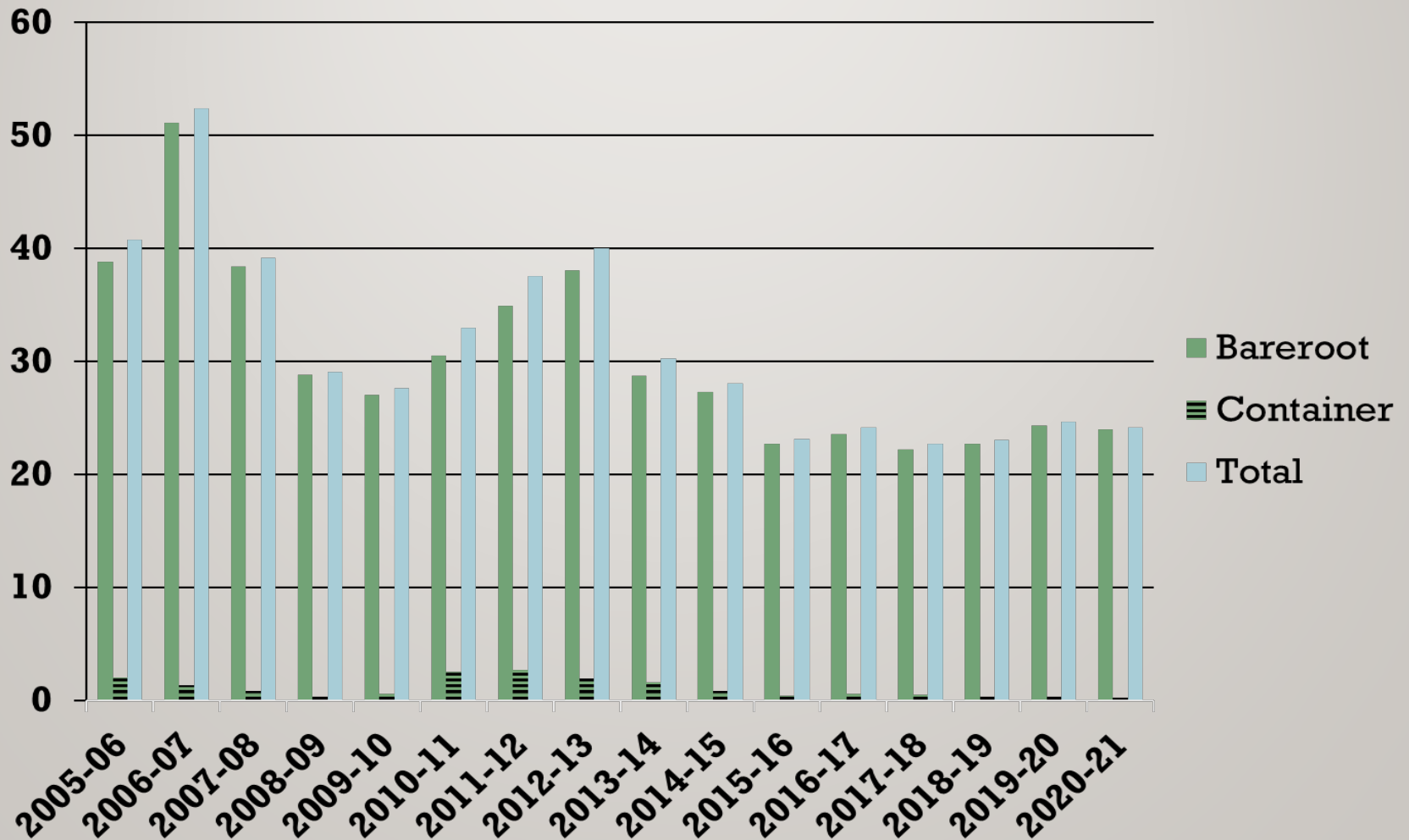
Table 4, 5 & 6

# RESULTS - Hardwood production

	2020-21	% Change Previous yr	2019-20	% Change Previous yr
Dogwood	426,000	52.1%	204,000	-32 %
Green Ash	386,000	-1.8%	393,000	+20 %
Oak	15,613,000	-2.2%	15,963,000	+7 %
Others	4,411,000	-12.8%	4,976,000	-3 %
Pecan	510,000	-22.7%	626,000	+3 %
Sweetgum	1,548,000	11.1%	1,376,000	+44 %
Sycamore	636,000	24.7%	479,000	+13 %
Walnut	112,000	-10.7%	124,000	+17 %
Yellow Poplar	555,000	7.7%	512,000	-19 %
Total	24,197,000	-1.9%	24,653,000	+7 %

Table 6

# Hardwood Production 2005-2020



## Production by Ownership Category: Hardwoods

	2020-2021		2019-2020		2018-2019	
	Production	Percent	Production	Percent	Production	Percent
<b>Bareroot</b>						
State	8,787,000	37	10,081,000	41	10,357,000	46
Private	15,165,000	63	14,229,000	59	12,321,000	54
Industry	0	0	0	0	0	0
<b>Container</b>						
State	4,000	3	3,000	1	3,000	1
Private	238,000	98	338,000	99	332,000	99
Industry	0	0	0	0	0	0

Table 7

## Production by Ownership Category: ALL SPECIES

	2020-2021			19-20 (MM)	18-19 (MM)	17-18 (MM)	16-17 (MM)
State	86,345,000	8%		8%	8%	9%	9%
Private	846,750,000	74%		71%	69%	67%	53%
Industry	214,609,000	19%		21%	22%	24%	38%
Total	1,147,704,000			1,066.9	1,088.0	1,062.5	1,069.9

Table 10

# Production by State - All species

	2020-2021 Production (x 1000)	Rank	% Change Previous Year	2019-2020 Production (x 1000)	Rank	% Change Previous Year
Alabama	141,189	3	16	121,360	3	10
Arkansas	94,751	4	1	93,393	4	-17
Florida	59,645	8	13	52,701	8	13
Georgia	356,814	1	6	337,305	1	2
Louisiana	53,677	10	20	44,903	10	-11
Mississippi	85,364	5	-1	85,872	5	0
N. Carolina	75,065	7	12	66,745	7	5
Oklahoma	3,996	12	33	3,009	12	9
S. Carolina	159,946	2	7	148,944	2	-8
Tennessee	3,720	11	-28	5,150	11	-15
Texas	81,014	6	6	76,781	6	-14
Virginia	32,523	9	6	30,748	9	6

# **AU Southern Forest Nursery Management Cooperative Members**

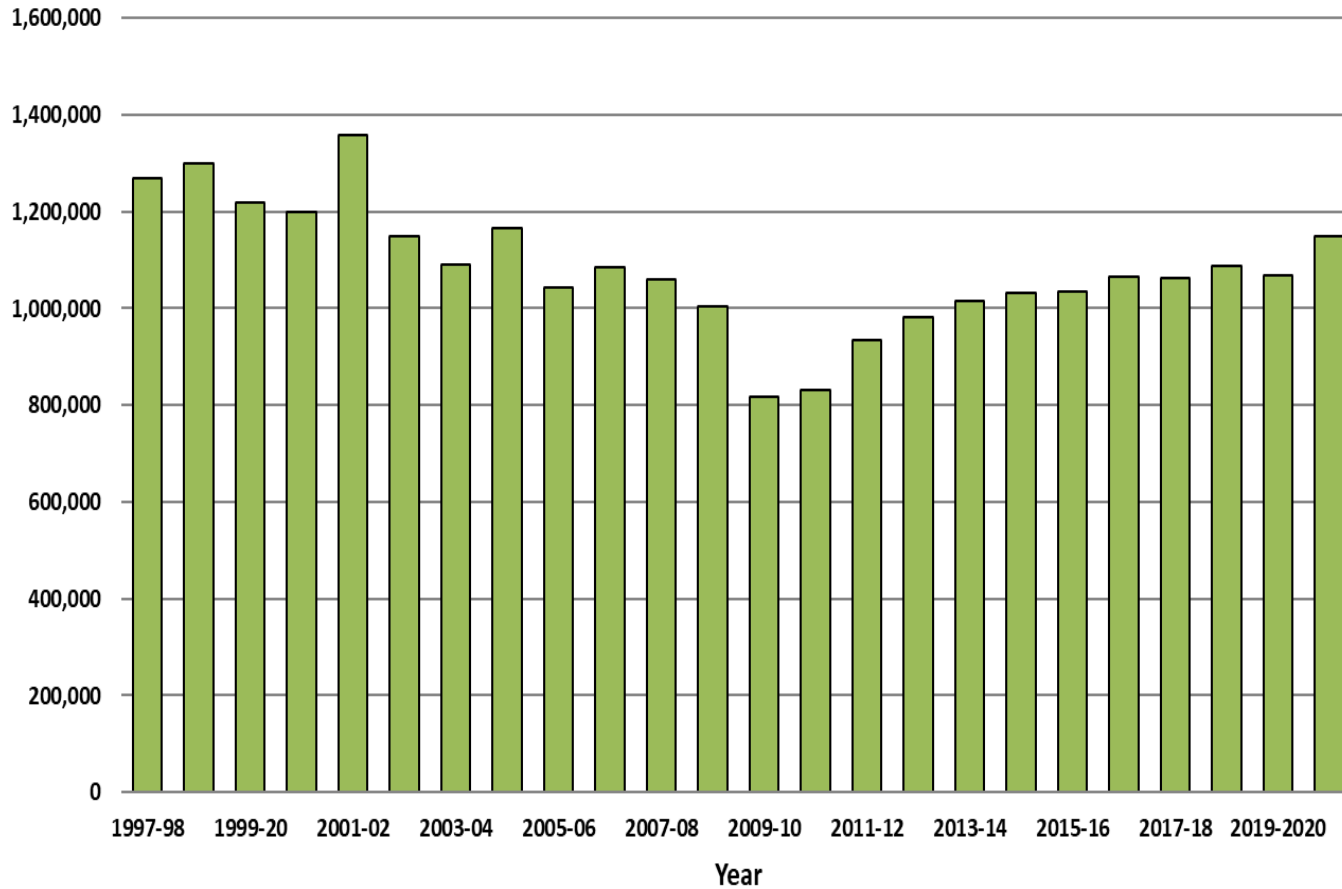
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## **- All species & stock types**

- **Nursery Cooperative Members comprise 85% of the southern US region of seedling production.**
- **Nursery Cooperative Members comprised 91% of bareroot seedlings and 66% of container seedlings.**

# Seedling Production: 1997-2020

Seedling Production x 1000





# **2020-21 Seedling Production Survey**

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- 1. Regional seedling production increased 80.7 million seedlings from last year to 1,147,704,000 seedlings; the 7<sup>th</sup> year in a row above the magical 1 Billion seedlings per year.**
- 2. Overall seedling production in 2020-2021 increased 7.2% overall across the region from the 2019-2020 planting season.**
- 3. Regional bareroot conifer production is up 5.4% (81.2 MM) while hardwood production is down 1.9% (456,000) from the previous planting season.**
- 4. Georgia is the No. 1 seedling producer for conifer (352.2 MM) and Arkansas is the No. 1 hardwood (9.5 MM) seedling producer.**
- 5. Container seedling production increased to 23% of the total number produced, up from the 2% production in 2000.**
- 6. Nursery Cooperative members continue to lead seedling production in the region and have increased its contribution to container stock production.**

