

Forest Nursery Seedling Production/Tree Planters Notes

Wednesday, April 5,
Madison, WI



History

- The original *Tree Planting in the United States*
 - Based on data reported each year by 50 state forestry agencies and federal land management agencies (BLM, F&WL, DOD, FS, etc.)
 - Discontinued in 2000
- Reforestation, Nursery, and Genetics Resources (RNGR) Program within State and Private Forestry was created in 2001.

Forest Nursery Seedling Production in the U.S.

- Initial development in 2010
- Cooperative involving FIA, S&PF, and land grant universities
- Tasked with developing a statistically valid means of collecting forest seedling production
- In 2012 a new survey questionnaire was distributed to tree nurseries by Auburn University, Purdue University, and the University of Idaho

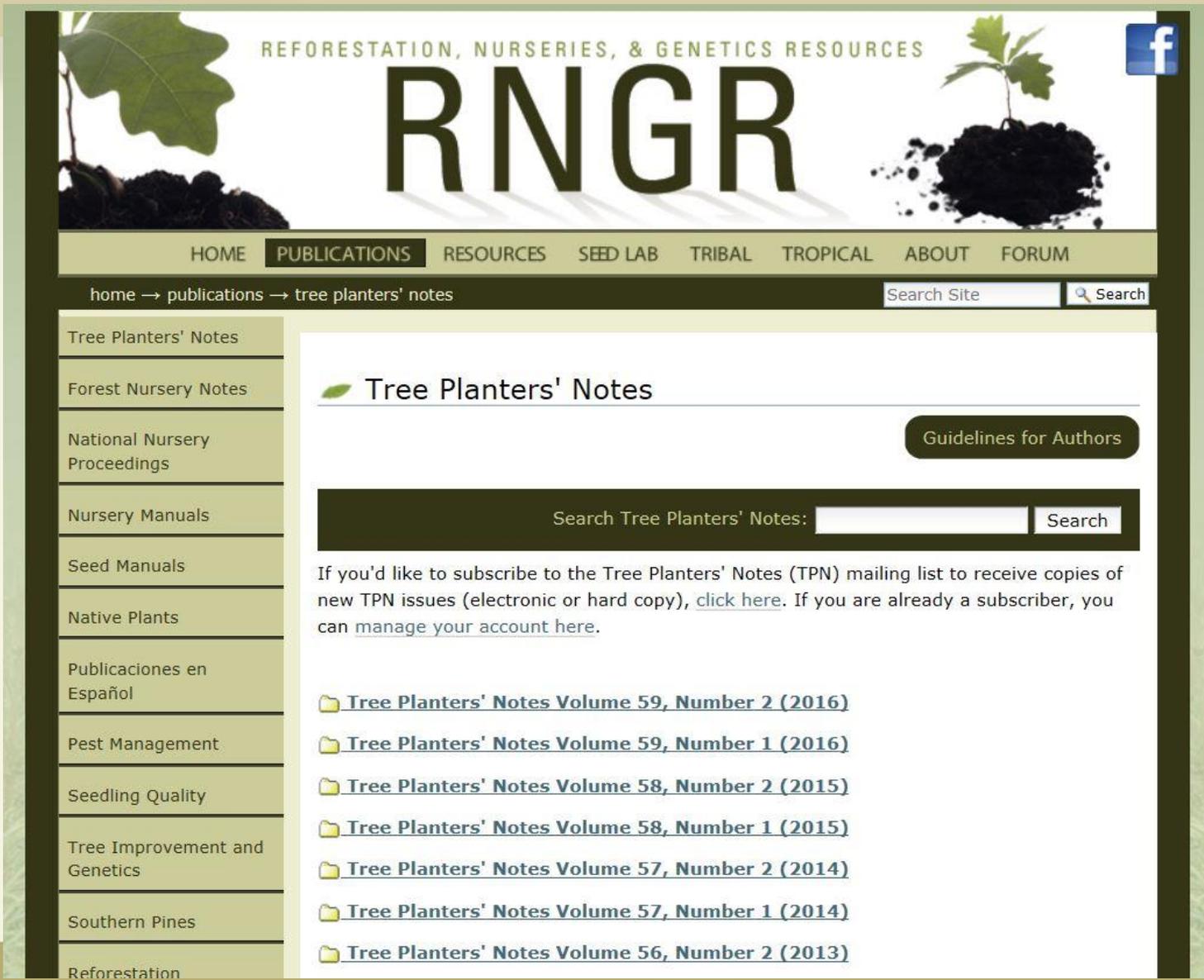


Forest Nursery Seedling Production in the U.S.

- The results and tables were published in Fall 2013
- This is an ongoing, continuous project
- The latest results are for the fiscal year 2016. This information can be found at:

<https://rngr.net/publications/tpn>

Data



The screenshot shows the RINGR website interface. At the top, the text 'REFORESTATION, NURSERIES, & GENETICS RESOURCES' is displayed above the large 'RINGR' logo. A Facebook icon is in the top right corner. Below the logo is a navigation menu with items: HOME, PUBLICATIONS (highlighted), RESOURCES, SEED LAB, TRIBAL, TROPICAL, ABOUT, and FORUM. A breadcrumb trail reads 'home → publications → tree planters' notes'. A search bar is located to the right of the breadcrumb. On the left side, there is a vertical sidebar menu with the following items: Tree Planters' Notes (highlighted), Forest Nursery Notes, National Nursery Proceedings, Nursery Manuals, Seed Manuals, Native Plants, Publicaciones en Español, Pest Management, Seedling Quality, Tree Improvement and Genetics, Southern Pines, and Reforestation. The main content area is titled 'Tree Planters' Notes' and includes a 'Guidelines for Authors' button. Below this is a search box for 'Tree Planters' Notes' with a 'Search' button. A paragraph of text follows, providing information about the TPN mailing list and subscription options. A list of links for various volumes and numbers of TPN is provided at the bottom of the main content area.

REFORESTATION, NURSERIES, & GENETICS RESOURCES

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- [Tree Planters' Notes Volume 57, Number 2 \(2014\)](#)
- [Tree Planters' Notes Volume 57, Number 1 \(2014\)](#)
- [Tree Planters' Notes Volume 56, Number 2 \(2013\)](#)

2016 Results

Table 2. Bareroot and container tree seedling production for each state and each region during the 2014-2015 planting year.

State	Bareroot	Container ¹	Total Seedlings Produced	State	Bareroot
Southeast				Minnesota	4,978,800
Florida	28,374,470	8,228,400	36,602,870	Missouri	2,201,205
Georgia	180,937,000	160,748,272	341,685,272	Ohio	—
North Carolina	51,274,300	15,117,000	66,391,300	Wisconsin	7,429,115
South Carolina	129,282,658	1,228,616	130,511,274	Canada	—
Virginia	30,355,800	—	30,355,800	Regional Totals	60,693,500
Regional Totals	420,224,228	185,322,288	605,546,516	Great Plains	
South Central				Kansas	134,175
Alabama	116,710,673	6,763,000	123,473,673	North Dakota	695,000
Arkansas	107,202,995	—	107,202,995	Nebraska	765,810
Kentucky	155,000	—	155,000	South Dakota	1,145,891
Louisiana	14,052,700	8,132,000	22,184,700	Regional Totals	2,740,876
Mississippi	72,831,000	8,521,900	81,352,900	Intermountain	
Oklahoma	2,753,850	118,629	2,872,479	Arizona	—
Tennessee	6,983,000	—	6,983,000	Colorado	410,893
Texas	81,584,100	—	81,584,100	Idaho	5,619,934
Regional Totals	402,273,318	23,535,529	425,808,847	Montana	110,049
Northeast				New Mexico	—
Connecticut	—	—	—	Nebraska	—

Table 3. Total forest nursery seedling production, including region, by year, from FY 2012 through FY 2015.

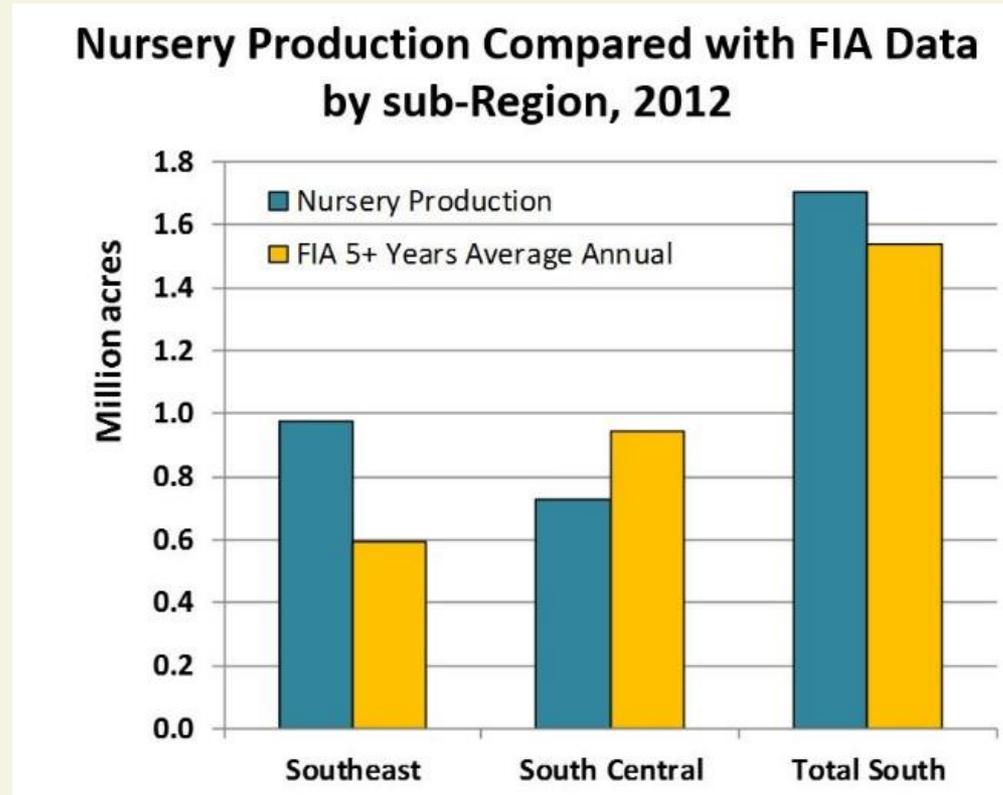
Year	Total seedling production	West	East	South
FY 2015	1,302,237,795	175,464,446	95,417,986	1,031,355,363
FY 2014	1,217,607,888	115,620,820	85,684,417	1,015,564,370
FY 2013	1,181,554,535	96,344,063	102,066,671	983,143,801
FY 2012	1,190,552,819	170,975,830	81,672,547	936,918,542

FY = fiscal year.

Sources: This report, Harper et al. (2013, 2014), and Hernández et al. (2015).

Acres Planted

- Seedlings planted has been used as a proxy for acres planted.



Density?

Forest Landowner Magazine – Cost of Forest Practices in the South (Auburn Extension)

Survey year	Seedlings per Acre	Percent of Total Acres Planted	
2000	631	5%	
2001	617		Interpolated
2002	602	8%	
2003	594		Interpolated
2004	585	7%	
2005	542		Interpolated
2006	499	11%	
2007	549		Interpolated
2008	599	29%	
2009	552		Interpolated
2010	504	14%	
2011	507		Interpolated
2012	510	7%	



Tree Planting in the South, 1925 – 2013 The SPA Dilemma



FLA = Biennial reporting by Forest Landowner Assoc. cost of forest operations (Auburn University survey)

NWOS – Large Landowner

- The national woodland owner survey (NWOS) is being expanded to include large private, corporate and industrial landowners, including TIMOs and REITs. Several of the new questions pertain to planting density, spacing, species, and equipment used.
- I will be talking more about NWOS in a minute. One of our goals is to strengthen information gathered by forest nursery seedling production with the new data collected by NWOS-Large Landowner.

Questions

