

NUMBER 15

JANUARY 1954

TREE PLANTERS' NOTES

A Publication for Nurserymen and Planters
of Forests and Shelterbelts

CONTENTS:

ANNUAL PLANTING REPORT -1953
FOREST TREE NURSERIES OF THE U. S. - 1953

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
WASHINGTON 25, D. C.

TREE PLANTERS' NOTES NO* 15

This issue of Tree Planters' Notes gives the record of the Nation's forest and shelterbelt planting work in fiscal year 1953 and a copy of a list or directory of the year's forest tree nurseries. These are enclosed in this jacket, separately bound so that they may be put with the similar reports of previous years if you care to do so. They are titled:

Forest and Shelterbelt Planting in the United States During 1953

The situation in general
Statistics by states and agencies doing planting
Quantities of stock produced

Forest Tree Nurseries of the United States - 1953

Location and ownership
Name of resident nurseryman
Production in fiscal year 1953

The sources and limitations of the data are set forth in the two reports themselves. We urge that any errors, omissions, or suggestions for improvement in the data be called to our attention.

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

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Supervision
Reports
Annual Planting, 1953

**FOREST AND SHELTERBELT PLANTING
IN THE UNITED STATES**

during

1953

(July 1, 1952 — June 30, 1953)

The situation in general
Statistics by states and agencies doing planting
Quantities of stock produced

(Compiled from information furnished by the State Foresters or other appropriate public officials of each State and Federal agency concerned)

FOREST AND SHELTERBELT PLANTING IN THE UNITED STATES
DURING 1953

Acres planted, 1953 and previously

Forest and shelterbelt planting during the fiscal year 1953 (July 1, 1952, through June 30, 1953), as reported by State Foresters and other agencies, amounted to 715,548 acres. This figure is remarkable for two reasons—first because it is a new record, and second, because it represents the highest increase for one year. It is almost 193,000 acres—37 percent—greater than the acreage planted in 1952, previously the record year.

When the components of this new record are considered separately, many reasons can be found for either "pointing with pride" or "viewing with alarm*" The record area planted and the spectacular rate of increase, especially in eight States, are impressive facts, but the counterbalancing fact is that more than half of all the States show no increases or are even reducing their private- and State-land planting programs. Many States have programs pitifully small in relation to the areas needing windbreaks or reforestation. The current annual rate of planting, after allowance for planting failures, harvesting of planted Christmas trees, etc., is still less than 1 percent of the total area to be covered.

1953 accomplishments by ownership classes are as follows:

The Federal Government planted 77, 612 acres of land in its custody, an increase of 23,800 acres— 44 percent—over 1952. About half of this increase came from planting by the Atomic Energy Commission in South Carolina—a newcomer to Federal agencies—and the remainder from reforestation on Department of Defense reservations, National Forests, Bureau of Land Management lands, etc.

The States and other non-Federal public agencies planted 63,791 acres in 1953, almost the same as in 1952.

Private landowners planted 574,145 acres, an increase in private land planting of about 168,000 acres—41 percent—above 1952.

Eight States reported remarkable increases in rates of private land planting. These were Alabama, Florida, Georgia, Louisiana, Mississippi, South Carolina, Washington, and Wisconsin. They planted 152,000 more acres of private land than were planted the year before.

Fourteen other States recorded definite, but much smaller, rates of increase. These States increased their private land plantings 22,000 acres.

Twenty-two States did not vary their plantings by as much as 200 acres.

Six States decreased their plantings about 6,000 acres.

About four-fifths of the nation's reforestation job is on privately owned land. To increase tree planting on this land is the principal objective of the various governmental agencies, civic organizations, and countless private citizens. As a result of their efforts some States have increased their planting programs several fold over those of pre 1942 days. For example, in 1940 and 1941 only Georgia, Mississippi, and Tennessee reported private land planting in excess of 15,000 acres a year. The largest of these was in Georgia where 30,600 acres had been planted in 1940. By contrast, in 1953 twelve States reported planting 15,000 acres or more. Louisiana led with 77,000 acres and the other eleven were Florida, Georgia, Mississippi, Alabama, New York, Michigan, Arkansas, South Carolina, Wisconsin, Pennsylvania and Ohio. The landowners of these twelve States planted 447,000 acres in 1953. Of these twelve leaders, the top four are worthy of special mention since each planted more than 57,000 acres. Louisiana, Florida, Georgia, and Mississippi set these new records.

Reforestation of public lands is, of course, entirely dependent upon the wishes of the public, as expressed through the appropriations made by their Congress, State Legislatures, county boards, city councils and so on. The figures show a great decrease in the interest of these bodies for this type of public work* In the prewar years 1938-41, 1,034,000 acres of publicly owned land were planted, but during the recent 4 years 1950-53 only 453,000 acres were planted. This is a decrease of 56 percent. Some recently collected data indicate that about 12 million acres of public land need planting. Thus the present rate of progress is less than 1 percent annually, even without allowance for failures or harvestings.

A notable "first" in reforestation history was reached in Michigan in 1953 where 40,000 acres were planted on all types of holdings, making it the first State to have more than one million acres of plantations. Eleven percent of the nationwide plantings reported are in Michigan* They consist of 548,000 acres of Federal plantations, 314,000 acres of State and other public plantings, and 153,000 acres of private land planting. No other State has even half as extensive Federal plantations.

The State ranking second in total plantations is New York with 886,000 acres, 10 percent of the nation's total. At its present rate it will have planted a million acres in 4 years. New York has more than half a million acres of "other public" plantations—almost a third of the national total in this class. It also has 375,000 acres of private-land plantations. Only Georgia has more private-land plantings.

Nurseries—numbers, operators, and outputs

A tabulation of the forest tree nursery facilities of the nation in 1953 follows:

Agency or Owner	Active nurseries	Actual or estimated output of trees
U. S. Forest Service	12	8 1, 2 11 M
Soil Conservation Service	12	22,070 M
Tennessee Valley Authority	2	26,282 M
State Foresters or similar	89	435, 736 M
Cities and counties	2	260 M
Soil Conservation Districts	4	4, 385 M
Paper industries	10	50, 061 M
Lumber industries	5	1 0, 467 M
Private commercial	35	50, 000 M

See Table 5 in this report for additional details.

As this report is being written, the U. S. Soil Conservation Service is discontinuing the administration of its 25 nurseries, 12 of which produced tree-planting stock in 1953. The administration of all 25 nurseries is being transferred to a State, or other public agency. The SCS will continue financial cooperation in some but not all. In the event that no State or public agency assumes future administration of any particular nursery its planting stock and equipment will be transferred to one of the other nurseries and the land leased or otherwise disposed of.

Expansion of output by the State nurseries continues* In 1953, 89 active State nurseries produced almost 436,000 M plants. One additional nursery is currently inactive, three are being built, and a number are being enlarged. An output of 475,000 M trees in 1954 seems reasonable to expect, plus additional stock from the SCS nurseries taken over by the States.

An astonishing expansion of output occurred in 1953 at the nurseries operated by forest companies to produce stock for planting on their holdings and associated lands. Six new nurseries came into production in 1953, and the total output increased from 9,600 M to 60,528 M. The establishment of two additional nurseries is expected in 1954.

Cooperative distribution of planting stock by the States (the C-M 4 program)

Most of the planting stock distributed by the States is handled under the Federal-State cooperative program set up by Section 4 of the Clarke-McNary Law of 1924* Under this program the landowner gets trees at nominal cost, or free in a few States under certain conditions. They are produced and shipped by employees of the State in which they are to be planted. The landowner deals entirely with the State agency, and often is unaware of the Federal Government's part in the program. The Federal Government furnishes some of the money to encourage State participation and makes inspections and audits.

Under this program neither the Federal nor the State Governments do any planting of the trees, nor do they offer any financial aid for doing so: the program is limited to furnishing trees at nominal prices.

The source and price of the trees, the conditions under which they are available, and related matters are controlled by each State to fit the locality. The only restriction imposed by the Federal Government is that the trees be used for forest and shelterbelt planting, and not for ornamental purposes* Some States impose their own restriction, such as not allowing this stock to be used for Christmas tree plantations intended for clear-cut harvestings, or not providing this stock for planting on land so valuable for other uses that its indefinite use as forest land seems improbable.

At this time 43 States, Hawaii, and Puerto Rico are cooperating under the program. The cooperative agreements with 35 of these date back to 1925-27, the other 10 having come into the program since then—Rhode Island being the most recent (July 1951). Four States operate no nurseries but purchase their stock from commercial or Federal nurseries. The quantities distributed in each State and the prices charged the tree planters are given in table 5.

Reforestation by direct seeding

The following tables include the acreage planted by direct seeding. Details are given in footnotes to the tables. Oregon, especially active in this work, can show considerable success in places where such factors as advance pre-

paration, seeding rates, species-site relationships, and climate were effectually correlated. Research and large-scale field trials by many agencies and private companies continue, Successful methods of direct seeding are earnestly sought since vast areas exist, chiefly in the western mountains, on which hand planting is so costly that restoration is currently impractical*



ROLAND ROTTY, In Charge
Tree Planting Cooperation

Table I

FEDERAL ACRES PLANTED IN 1953

July 1, 1952 - June 30, 1953

State	Forest Service on National Forest.			Soil Conservation Service on Public Land.			Department of the Interior on Public & Indian Lands			Other Federal Agencies on Public Land.			Total Table 1			Stat.
	Current Year	Previous Year.	Total	Current Year	Previous Year.	Total	Current Year	Previous Years	Total	Current Year	Previous Year.	Total	Current Year	Previous Years	Total	
Alabama	1,872	40,326	42,198	175	7,899	8,074		2,209	2,209	420	16,211	16,631	2,467	66,645	68,112	Alabama
Arizona	250	1,041	1,331		3,878	3,978	720	981	1,701		2		1,010	6,000	7,010	Arizona
Arkansas	194	14,530	14,724	257	5,220	5,477		313	313	423	1,500	1,923	874	21,663	22,437	Arkansas
California	4,962	43,756	48,707				100	388	488		107	109	5,054	44,260	49,374	California
Colorado	336	87,245	87,580		207	207		1,252	1,252	15	11	26	350	68,716	69,065	Colorado
Connecticut					650	650								650	650	Connecticut
Delaware					60	60		40	40					100	100	Delaware
Florida	1,930	9,821	11,761	200	18,284	18,484		26	28	347	2,297	2,644	2,477	50,428	52,906	Florida
Georgia	205	3,496	3,701	422	7,076	7,497		235	235	440	663	993	1,087	11,359	12,426	Georgia
Hawaii																Somali
Idaho*	1,221	98,319	92,540		130	130		53	63				1,221	98,802	99,723	Idaho
Illinois	2,572	30,878	33,460		7,439	7,439		191	191				2,672	38,508	41,060	Illinois
Indiana *	1,902	10,478	12,380		6,182	8,182				334	211	546	2,256	16,651	19,047	Indiana
Iowa								150	160		1,708	1,708		1,868	1,856	Iowa
Kansas					100	100					17	17		117	117	Nanette
Kentucky	28		501		6,589	6,589	90	3,005	3,093		512	612	118	10,577	10,895	Kentucky
Louisiana *	447	98,670	99,017	60	5,250	5,290							507	103,800	104,307	Louisiana
Maine		87	67		332	332		2	2					401	401	Main.
Maryland					1,426	1,428		5	5					1,431	1,431	Maryland
Massachusetts												500		500	500	Massachusetts
Michigan	5,627	531,144	536,764	470	10,259	10,729		481	481				6,090	641,884	647,974	Michigan
Minnesota	2,682	128,621	129,103		1,020	1,020	277	8,171	8,448				2,859	123,712	136,571	Minnesota
Mississippi	4,269	132,223	136,497	2,069	6,449	8,508	2	814	816	12	12		6,330	139,603	145,833	Mississippi
Missouri	4,001	97,177	81,178		357	357	4	222	226				4,006	57,758	81,761	Missouri
Montana	672	34,736	35,407		200	200		384	384	8	3		672	22	95,994	Montana
Nebraska	133	29,686	29,819				13	1,088	1,099		478	478		31,250	31,396	Nebraska
Nevada	18	76	91											76	91	Nevada
New Hampshire		1,153	1,153											1,153	1,163	New Hampshire
New Jersey					3,181	3,181	83	496	559	225	300	525	225	300	626	New Jersey
New Mexico	291	• 042	1,333		5,189	5,259		14	14	600	2,000	2,600	354	4,899	5,053	Bee Mexico
New York				50	8,328	8,486	13	1,152	1,168				850	7,203	7,853	low York
North Carolina	568	1,289	8,827	140	967	987	26	1,480	1,505		64	64	711	16,811	16,522	North Carolina
North Dakota					5,640	5,640							25	2,447	2,472	North Dakota
Ohio	1,489	8,767	8,258		5,137	5,897		6	6		45	45	1,489	12,407	13,898	Ohio
Oklahoma		57	67	560									564	6,247	5,807	Oklahoma
Oregon	7,133	67,157	74,290		3,949	3,949	2,594 **	5,846	9,240					73,903	83,830	Oregon
Pennsylvania	111	16,993	17,104					21	21		126	125		21,068	21,199	Pennsylvania
Puerto Rico	878	11,552	12,228											12,228	12,228	Puerto Rico
Rhoda Island					403	403					20	21		423	424	Rhode Island
South Carolina	981	15,984	16,925		16,132	15,000	75	888	983	10,471		10,471		7	44,491	South Carolina
South Dakota	851	28,806	29,657		12	12	30	1,415	1,445				881	30,233	31,114	South Dakota
Tonnes...	489	3,411	3,880		16,765	16,785		175	175	373	34,048	34,421	842	54,399	55,241	Tonnaes.
Texas	131	48,766	48,997		941	941		147	147	857	1,907	2,764	988	61,761	52,749	Texas
Utah		3,992	3,992				21	49	70		11	11		21	4,052	Utah
Vsrmont	13	1,307	1,320											1,320	1,320	Vermont
Virginia	781	1,807	2,588		3,055	3,655		499	499	2		2	783	5,961	6,744	Virginia
Washington	4,583	92,912	97,395					5,998	5,956	1,875	829	2,504	6,258	99,697	106,855	Washington
West Virginia	147	15,470	15,817		732	732							147	18,202	16,349	West Virginia
Wisconsin*	1,072	219,910	220,982		9,145	9,145	118	2,415	2,533		281	281	1,190	231,751	232,941	Wisconsin
Wyoming	390	6,319	8,699		311	311	2	350	352				382	6,990	7,362	Wyoming
Grand Total	52,887	1,880,119	1,933,006	4,393	169,529	173,922	4,147	39,717	43,864	18,185	63,750	79,936	77,612	2,153,116	2,230,727	Grand Total

* Includes acres of planting by direct seeding, both aerial and hand methods, on National Forests, as follows:

** Includes 120 Acre. direct seeding by B.L.M.

State	1955	Previous Years	Total to Date	State	1953	Previous Years	Total to Date	State	1953	Previous Years	Total to Date
Alabama	-	26	26	Michigan	-	1,128	1,128	Oregon	376	4,266	4,642
Arizona	7	-	7	Minnesota	-	3,055	3,055	Pennsylvania		80	80
California	83	4,781	4,884	Mississippi	-	1,050	1,050	South Dakota	220	13,278	13,605
Colorado		2,841	2,841	Missouri	74	10,209	10,283	Tennessee	240	14	254
Florida	246	257	503	Montana	-	2,287	2,287	Washington	420	2,763	3,173
Idaho	11	1,377	1,388	New Hampshire	-	48	48	Wisconsin		407	407
Illinois	-	1,780	1,780	New Mexico	285	-	286	Wyoming	80	668	728
Indiana	-	461	461	North Carolina	-	9	9				
Louisiana	100	1,448	1,548	Ohio	-	274	274	Total	2,131	62,283	54,414

Table 2

OTHER PUBLIC (NON-FEDERAL) ACRES PLANTED IN 1953

July 1, 1952 June 30, 1953

State	State Agencies						Other Public Agencies			Total -- Table 2			State
	State Forest Land			Other State Lands			As Towns, Boroughs, Counties and Public Schools			Current Year	Previous Years	Total	
	Current Year	Previous Years	Total	Current Year	Previous Years	Total	Current Year	Previous Years	Total				
Alabama	54	828	880	208	2,168	2,376	144	235	579	408	3,229	3,635	Alabama
Arizona													Arizona
Arkansas				5	74	79	40	438	478	45	512	557	Arkansas
California	12	80	72	13		13	27	2	29	52	62	114	California
Colorado					5	5	19	59	78	19	84	83	Colorado
Connecticut	12	10,168	10,178	13	612	625	13	3,461	3,474	38	14,239	14,277	Connecticut
Delaware	6	313	321	1	84	65	1	200	201	10	577	587	Delaware
Florida	1,750	3,910	5,660	322	1,031	1,355	369	713	1,082	2,441	5,654	8,095	Florida
Georgia	366	589	935		3,359	3,359	451	2,058	2,509	817	5,986	6,803	Georgia
Hawaii	318	35,349	35,667	1	69	70		144	144	319	35,562	35,881	Hawaii
Idaho	5	29	34	102	487	589	16	56	72	123	572	695	Idaho
Illinois	187	4,008	4,195	407	2,830	3,237	712	1,792	2,504	1,306	8,830	9,936	Illinois
Indiana	1,224	16,422	17,646	12	3,278	3,290	52	536	588	1,288	20,236	21,524	Indiana
Iowa	92	1,807	1,699	74	5,191	5,265		361	361	166	7,169	7,325	Iowa
Kansas					560	660					560	560	Kansas
Kentucky	217	806	1,023	19	356	376	43	139	182	279	1,301	1,580	Kentucky
Louisiana	521	4,551	5,072		325	325	878	2,692	3,570	1,399	7,568	8,967	Louisiana
Maine		322	322		101	101	17	712	729	17	1,136	1,152	Maine
Maryland	484	1,401	1,885	14	403	417	185	1,649	1,834	683	3,453	4,138	Maryland
Massachusetts	51	32,073	32,124	55	12,713	12,768	60	16,691	16,751	166	61,477	81,643	Massachusetts
Michigan	4,025	274,059	278,084	966	18,409	19,375	758	15,455	16,213	5,749	307,923	313,672	Michigan
Minnesota	3,095	31,949	35,044	1,964	15,207	17,171	1,828	5,051	8,879	6,887	52,207	59,094	Minnesota
Mississippi	48	2,548	2,594	116	503	619	114	208	322	278	3,257	3,535	Mississippi
Missouri	404	3,153	3,557	38	896	934	3	9	9	445	4,055	4,500	Missouri
Montana								7	7		7	7	Montana
Nebraska		200	200	185	376	561		870	870	185	1,446	1,631	Nebraska
Nevada													Nevada
New Hampshire	16	7,876	7,892	29	103	132	19	4,375	4,394	64	12,354	12,418	New Hampshire
New Jersey		11,284	11,284	60	743	803	14	1,504	1,518	74	13,531	13,605	New Jersey
New Mexico													New Mexico
New York	5,844	379,680	385,524	293	24,298	24,591	1,115	91,850	92,985	7,252	495,828	503,080	New York
North Carolina	302	1,242	1,544	89	2,072	2,141	191	832	1,023	662	4,148	4,708	North Carolina
North Dakota					296	296	2	13	15	2	309	311	North Dakota
Ohio	803	10,762	11,585	754	3,916	4,670	903	14,272	15,175	2,460	28,950	31,410	Ohio
Oklahoma				155	376	531	5	83	88	160	459	819	Oklahoma
Oregon*	11,909	49,922	61,831		620	620		296	295	11,909	50,837	62,748	Oregon
Pennsylvania	839	59,065	59,904	646	12,087	12,713	286	12,535	12,821	1,771	93,667	85,438	Pennsylvania
Puerto Rico	2,840	16,711	19,551	92	3,464	3,556	28	410	438	2,960	20,585	23,545	Puerto Rico
Rhode Island	60	3,532	3,692	2	510	512	15	6,800	6,815	77	10,842	10,919	Rhode Island
South Carolina	280	8,906	9,186	282	5,819	6,101	67	1,290	1,357	629	16,015	16,644	South Carolina
South Dakota	161	179	340	2,738	1,029	3,765	23	1,155	1,178	2,920	2,363	5,283	South Dakota
Tennessee	776	22,178	22,953	41	520	561	66	615	681	882	23,313	24,195	Tennessee
Texas	7	535	542	18	366	384		1,994	1,994	25	2,895	2,920	Texas
Utah				1	41	42	3	26	29	4	67	71	Utah
Vermont**	1	5,353	3,354	22	268	290	22	3,684	3,706	46	7,305	7,350	Vermont
Virginia	95	1,632	1,727	1	522	523	42	733	775	138	2,887	3,025	Virginia
Washington	2,125*	35,391*	37,516*				259	5,568	5,827	2,384	40,959	43,343	Washington
West Virginia	53	1,768	1,821		747	747	7	332	339	60	2,847	2,907	West Virginia
Wisconsin	1,084	48,885	49,969	554	2,708	3,262	4,646	128,094	132,739	6,283	179,687	185,970	Wisconsin
Wyoming				11	136	147	1	2	3	12	138	150	Wyoming
Grand Total	40,087	1,087,220	1,127,287	10,281	129,638	139,919	13,443	529,997	343,440	63,791	1,548,856	1,610,646	Grand Total

* Includes acres of planting by direct seeding, both aerial and hand methods, as follows.

Be 1952 figures

	1952	Previous Years	Total to Date	1952	Previous Years	Total to Date
Oregon	6,404	26,419	32,823			
Washington	-			720		720

Table 3

PRIVATE ACRES PLANTED IN 1953

July 1,1952 - June 30,1953

State	Persons, Clubs, Associations, and Private Schools Lands			Forest Industry Land			Other Industry Land (Mining, railroad, water, power companies)			Total -- Table 3			State
	Current Year	Previous Years	Total	Current Year	Previous Years	Total	Current Year	Previous Years	Total	Current Year	Previous Years	Total	
Alabama	18,766	68,288	87,053	17,861	35,508	53,389	1,918	9,178	11,094	38,544	112,972	151,518	Alabama
Arizona	194	1,446	1,640							194	1,446	1,640	Arizona
Arkansas	5,000	29,493	34,493	16,000	36,025	52,025	969	1,957	2,926	21,969	67,475	89,444	Arkansas
California *	138	10,428	10,588	533	26,476	27,009	22	107	129	693	37,011	37,704	California
Colorado	914	21,385	22,299				2	37	39	918	21,422	22,338	Colorado
Connecticut	924	15,738	18,662				54	8,452	8,506	978	24,190	25,168	Connecticut
Delaware	192	1,728	1,920	10	3	13		52	52	202	1,783	1,985	Delaware
Florida	22,581	153,204	175,795	30,831	84,216	114,847	10,052	13,326	23,378	63,264	250,748	314,010	Florida
Georgis	26,913	227,731	264,844	33,005	109,304	142,309	910	3,413	4,323	60,828	340,448	401,278	Georgia
Hawaii	92	7,472	7,564				10	53,820	53,830	102	61,292	61,394	Hawaii
Idaho	378	8,136	8,512	12	23	35	3	18	21	391	8,177	8,568	Idaho
Illinois	3,614	31,807	36,221				355	18,153	18,508	3,969	49,760	63,729	Illinois
Indiana	3,242	32,554	35,798	81	510	591	2,043	23,074	25,117	5,368	58,138	61,504	Indiana
Iowa	233	260,453	260,688		145	146		379	379	233	260,977	281,210	Iowa
Kansas	1,536	219,729	221,285					350	350	1,538	220,079	221,815	Kansas
Kentucky	1,833	14,107	15,740	52	203	255	813	4,366	5,179	2,498	18,878	21,174	Kentucky
Louisiana	13,682	67,532	71,114	44,723	190,532	235,255	18,408	7,924	26,332	78,713	255,988	332,701	Louisiana
Maine	977	7,339	8,318	14	10,350	10,364		1,108	1,108	991	18,797	19,788	Maine
Maryland	2,192	24,238	26,430	303	793	1,096	91	901	992	2,586	25,932	28,518	Maryland
Massachusetts	587	30,383	30,970	12	3,200	3,212		713	713	599	34,296	34,895	Massachusetts
Michigan	27,109	112,544	139,653	310	1,248	1,558	750	11,082	11,832	28,169	124,874	153,043	Michigan
Minnesota	6,046	93,300	99,346	937	7,565	8,502				6,983	100,865	107,848	Minnesota
Mississippi	33,195	110,041	143,236	23,686	31,856	55,542	491	106	597	57,372	142,003	199,375	Mississippi
Missouri	1,227	18,060	19,287	6	232	238	46	355	401	1,279	18,647	19,928	Missouri
Montana	671	11,408	12,079	140	261	401				811	11,669	12,480	Montana
Nebraska	8,087	288,605	296,692		1,400	1,400		1,543	1,543	8,087	291,548	299,635	Nebraska
Nevada	54	337	391							54	337	391	Nevada
New Hampshire	699	21,848	22,347	21	2,737	2,756		1,103	1,103	720	25,488	26,208	New Hampshire
New Jersey	1,289	19,855	21,124		112	112	68	6,917	6,985	1,337	26,884	28,221	New Jersey
New Mexico	209	3,171	3,380							209	3,171	3,380	New Mexico
New York	29,920	318,659	346,579	178	6,555	8,733	418	21,422	21,940	30,616	344,636	375,152	New York
North Carolina	6,388	53,328	59,718		12,461	16,634	1,290	7,817	9,107	11,851	73,606	85,457	North Carolina
North Dakota	8,000	74,267	80,267					31	31	6,000	74,298	90,298	North Dakota
Ohio	9,484	84,131	93,615	188	862	1,048	5,879	15,501	21,379	15,540	100,494	118,042	Ohio
Oklahoma	1,450	81,501	82,951	1,025	5,199	6,214	10	109	119	2,485	86,799	89,284	Oklahoma
Oregon	1,538	12,154	13,690	11,716	46,442	58,158		40	40	13,252	68,636	71,888	Oregon
Pennsylvania	14,291	173,355	187,646	43	6,239	6,282	1,380	53,418	54,798	15,714	233,012	248,728	Pennsylvania
Puerto Rioo	1,800	56,882	58,682				15	601	616	1,815	57,463	59,278	Puerto Rico
Rhode Island	303	20,837	21,140							303	20,837	21,140	Rhode Island
South Carolina j	10,148	129,577	139,725	8,367	44,901	53,888	1,334	9,365	11,299	20,449	184,443	204,892	South Carolina
South Dakota	5,888	83,299	88,987							5,888	83,299	88,987	South Dakota
Tennessee	8,744	164,634	171,378	2,503	888	3,391	297	1,297		9,544	188,919	176,383	Tennessee
Texas	5,791	66,979	72,770	5,429	48,580	54,009		124	124	11,220	115,693	126,903	Texas
Utah	246	1,957	2,203					2	2	246	1,959	2,205	Utah
Vermont	1,129	19,538	20,667	141	2,714	2,855	15	1,955	1,970	1,285	24,207	25,492	Vermont
Virginia	3,284	19,966	23,240	5,788	15,626	21,414	57	768		9,129	36,350	45,479	Virginia
Washington	1,357	7,664	9,021	9,250	78,929	88,179				10,607	88,593	97,200	Washington
West Virginia	2,252	20,877	23,129	14	75	89	55	987	1,042	2,321	21,939	24,280	Wstt Virginia
Wisconsin	15,590	130,680	146,270	2,048	30,430	32,478	81	404	485	17,719	161,574	179,233	Wisconsin
Wyoming	860	8,017	18,877					10	10	860	6,027	6,887	Wyoming
Grand Total	308,512	3,426,232	3,732,744	219,798	842,590	1,082,388	47,835	282,883	330,718	574,145	4,551,705	5,125,850	Grand Total

* Includes acres of planting by direct seeding, both aerial and hand methods, as follows,

1952 figure.

	1953	Previous Years	Total to Date		1953	Previous Years	Total to Date
California . . .	510	0	510	Oregon	2,098	9,996	12,094

Table 4

SUMMARY OF ALL ACRES PLANTED IN 1953

July 1,1952 - June 30,1953

State	TABLE 1 Federal Acres Planted			TABLE 2 Other Public (Non-Federal) Acres Planted			TABLE 3 Private Acre's Planted			GRAND TOTAL			State
	Current Year	Previous Years	Total	Current Year	Previous Years	Total	Current Year	Previous Years	Total	Current Year	Previous Years	Total	
	Alabama *	2,467	66,645	69,112	406	3,229	3,635	38,544	112,972	151,518	41,417	182,846	
Arizona *	1,010	6,000	7,010	-	-	-	194	1,446	1,640	1,204	7,446	8,660	Arizona
Arkansas	874	21,563	22,437	45	512	557	21,969	67,475	89,444	22,998	89,550	112,438	Arkansas
California *	5,054	44,250	49,304	52	62	114	693	37,011	37,704	5,799	81,323	87,122	California
Colorado	350	68,715	69,065	19	64	83	916	21,422	22,338	1,285	90,201	91,486	Colorado
Connecticut	-	650	650	38	14,239	14,277	978	24,190	25,168	1,016	39,079	40,095	Connecticut
Delaware	-	100	100	10	577	587	202	1,783	1,985	212	2,460	2,672	Delaware
Florida'	2,477	30,428	32,905	2,441	5,654	8,095	63,284	250,746	314,010	68,182	286,828	355,010	Florida
Georgia	1,067	11,559	12,426	817	5,986	6,803	60,828	340,448	401,276	62,712	357,793	420,505	Georgia
Hawaii	-	-	-	319	35,562	35,881	102	61,292	61,394	421	96,854	97,275	Hawaii
Idaho.	1,221	98,502	99,723	123	572	695	391	8,177	8,568	1,735	107,251	108,986	Idaho
Illinois *	2,572	38,508	41,080	1,306	8,630	9,936	3,969	49,760	53,729	7,847	96,898	104,745	Illinois
Indiana *	2,236	16,951	19,087	1,288	20,236	21,524	5,368	56,138	61,504	8,890	93,225	102,115	Indiana
Iowa	-	1,856	1,856	186	7,159	7,325	233	260,377	261,210	399	289,992	270,391	Iowa
Kansas	-	117	117	-	560	560	1,536	220,079	221,615	1,536	220,756	222,292	Kansas
Kentucky	118	10,577	10,695	279	1,301	1,580	2,499	18,676	21,174	2,895	30,554	33,449	Kentucky
Louisiana *	507	103,600	104,307	1,399	7,568	8,967	76,713	255,988	332,701	78,619	367,356	445,976	Louisiana
Maine	-	401	401	17	1,135	1,152	991	18,797	19,788	1,008	20,333	21,341	Maine
Maryland	-	1,431	1,431	683	3,453	4,136	2,586	25,932	28,519	3,269	50,816	34,085	Maryland
Massachusetts	-	500	500	166	61,477	61,643	599	34,296	34,895	765	36,273	97,038	Massachusetts
Michigan	6,090	541,684	547,974	5,749	307,923	313,672	28,169	124,874	153,043	40,008	974,691	1,014,689	Michigan
Minnesota *	2,859	133,712	136,571	6,887	52,207	59,094	6,983	100,965	107,848	16,729	288,784	303,513	Minnesota
Mississippi *	6,330	139,503	145,833	278	3,257	3,535	57,372	142,003	199,375	63,980	284,783	348,743	Mississippi
Missouri *	4,005	57,758	61,781	445	4,055	4,500	1,279	18,647	19,926	5,729	80,458	86,187	Missouri
Montana *	672	35,322	35,994	-	7	7	811	11,669	12,480	1,493	46,998	49,481	Montana
Nebraska	146	31,250	31,396	185	1,446	1,631	8,097	291,548	299,635	8,418	324,244	332,662	Nebraska
Nevada	16	75	91	-	-	-	54	337	391	70	412	482	Nevada
New Hampshire *	-	1,153	1,153	64	12,354	12,418	720	25,488	26,208	784	38,995	39,779	New Hampshire
New Jersey	225	300	54	74	13,531	13,605	1,337	26,884	28,221	1,636	40,715	42,351	New Jersey
New Mexico *	354	4,699	5,063	-	-	-	209	3,171	3,390	563	7,970	8,433	New Mexico
New York	650	7,203	7,853	7,252	495,828	503,080	30,516	344,636	375,152	38,418	847,667	886,085	New York
North Carolina	711	15,811	16,522	562	4,146	4,708	11,851	73,606	85,457	13,124	93,563	108,687	North Carolina
North Dakota	25	2,447	2,472	2	303	311	6,000	74,298	80,298	6,027	77,054	83,081	North Dakota
Ohio *	1,499	12,407	13,898	2,460	28,950	31,410	15,548	100,494	116,042	19,497	141,851	161,348	Ohio
Oklahoma	560	5,247	5,807	160	450	619	2,445	86,799	99,284	3,205	92,505	95,710	Oklahoma
Oregon	9,727	73,803	83,530	11,909	50,837	62,746	13,252	58,636	71,888	34,888	183,276	218,164	Oregon
Pennsylvania *	111	21,088	21,199	1,771	83,667	85,438	15,714	233,012	248,726	17,596	337,767	355,383	Pennsylvania
Puerto Rico	676	11,552	12,228	2,960	20,585	23,545	1,815	57,463	59,278	5,451	89,600	95,051	Puerto Rico
Rhode Island	1	423	424	77	10,842	10,919	303	20,837	21,140	381	32,102	32,483	Rhode Island
South Carolina	11,507	32,984	44,491	629	16,015	16,644	20,449	184,443	204,992	32,585	233,442	266,027	South Carolina
South Dakota *	881	30,233	31,114	2,920	2,363	5,283	5,688	83,299	88,987	9,489	115,895	125,384	South Dakota
Tennessee *	842	54,399	55,241	882	23,313	24,195	9,544	166,819	176,363	11,268	244,531	265,799	Tennessee
Texas	988	51,761	52,749	25	2,895	2,920	11,220	115,683	126,903	12,233	170,339	182,572	Texas
Utah	21	4,052	4,073	4	67	71	246	2,205	2,451	271	6,078	6,349	Utah
Virginia	13	1,307	1,320	45	7,305	7,350	1,285	24,207	25,492	1,343	32,819	34,182	Vermont
Washington *	783	5,961	6,744	138	2,587	3,025	9,129	36,350	45,479	10,050	45,198	55,248	Virginia
Washington *	6,258	99,597	105,855	2,384	40,959	43,343	10,607	86,593	97,200	19,249	227,149	246,398	Washington
West Virginia	147	16,202	16,349	60	2,847	2,907	2,321	21,939	24,260	2,528	40,988	43,618	West Virginia
Wisconsin *	1,190	231,751	232,941	6,283	179,887	185,970	17,719	161,514	179,233	25,192	572,952	598,144	Wisconsin
Wyoming *	382	6,980	7,382	12	138	150	860	6,027	6,887	1,254	13,146	14,399	Wyoming
Grand Total	77,612	2,153,115	2,230,727	63,791	1,546,855	1,610,646	574,145	4,551,705	5,125,850	715,548	8,251,675	8,967,223	Grand Total

* Includes acres of planting by direct seeding, both aerial and hand methods. See footnotes of Tables 1, 2, and 3 for details.

** 1952 figures.

Table 5

FOREST AND SHELTERBELT STOCK DISTRIBUTED BY THE STATES IN 1953

July 1, 1952 - June 30, 1953

State	Distribution By State Organization Within State					C-M 4 and Non-C-M 4 Combined Quantities Shipped (1)	Production In State Nurseries		State
	Clarke-McNary Program Alone						Number of Nurseries Producing Trees in 1963	1953 Actual (M)	
	Quantities Shipped			Price Charged (Ave.)					
	Seedlings (M)	Transplants 00	Total (K)	Seedlings (\$)	Transplants (\$)				
Alabama	38,960 II	-	38,950M	\$2.61	.	39,314 M	3	32,022 M	Alabama
Arizona	No Program	-	-	-	-	-	-	-	Arizona
Arkansas	23,225	-	23,225	2.50	-	23,225	1	21,093	Arkansas
California	124	5 N	129	31.94	\$330.00	268	2	167	California
Colorado	279	86	385	21.69	27.91	539	1	107	Colorado
Connecticut	662	354	896	20.00	30.00	1,015	1	615	Connecticut
Delaware	295	-	295	Free	-	300	1	340	Delaware
Florida	44,681	-	44,681	3.00	-	46,147	2	38,590	Florida
Georgia	54,596	-	64,598	2.53	-	54,860	3	52,874	Georgia
Hawaii	4	90	94	Free	Free	120	5	120	Hawaii
Idaho	186	101	287	15.00	16.00	530	1	524	Idaho
Illinois	3,997	939	4,936	9.76	15.72	4,952	2	5,610	Illinois
Indiana	8,179	1,537	7,716	13.84	15.00	12,021	3	10,640	Indiana
Iowa	105	296	400	9.68	17.00	400	1	297	Iowa
Kansas	No Program	-	-	-	-	-	-	-	Kansas
Kentucky	2,430	-	2,430	4.24	-	2,491	2	1,145	Kentucky
Louisiana	62,444	-	52,444	2.25	-	55,829	2	45,974	Louisiana
Maine	295	244	539	10.00	10.00	539	1	263	Maine
Maryland	3,263	-	3,263	Free	-	3,265	1	3,234	Maryland
Massachusetts	35	481	616	20.00	25.27	765	3	516	Massachusetts
Michigan	2,732	1,739	4,771	6.83	14.02	17,522	8	17,522	Michigan
Minnesota	No C-M 4 Distribution	-	-	-	-	10,770	2	10,770	Minnesota
Mississippi	31,273	-	31,273	3.50	-	32,495	2	32,695	Mississippi
Missouri	1,726	-	1,728	6.28	-	2,998	1	2,983	Missouri
Montana	464	225	887	25.00	26.00	700	1	690	Montane
Nebraska	462	970	1,432	26.00	30.00	1,432	-	-	Nebraska
Nevada	No Program	-	-	-	-	-	-	-	Nevada
New Hampshire	540	159	699	4.99	8.00	800	1	951	New Hampshire
New Jersey	1,157	-	1,157	7.93	-	1,584	2	1,329	New Jersey
New Mexico	No Program	-	-	-	-	-	-	-	New Mexico
New York	35,880	-	35,880	2.47	-	35,880	2	35,536	New York
North Carolina	10,934	-	10,934	2.62	-	11,118	2	11,262	North Carolina
North Dakota	945	62	1,007	10.00	30.00	1,007	2	1,007	North Dakota
Ohio	7,853	1,513	9,166	8.90	12.48	9,701	2	6,964	Ohio
Oklahoma	2,523	-	2,623	4.92	-	3,163	2	3,098	Oklahoma
Oregon	1,097	-	6,097	4.32	-	6,097	1	8,107	Oregon
Pennsylvania	16,304	1,175	17,479	6.00	15.00	17,535	6	17,535	Pennsylvania
Puerto Rico	819	418	1,235	Free	Free	1,374	2	1,374	Puerto Rico
Rhode Island	43	190	233	10.00	10.00	381	1	47	Rhode Island
South Carolina	21,078	-	21,078	1.97	-	21,078	1	21,078	South Carolina
South Dakota	1,821	283	2,104	28.57	32.37	2,104	-	-	South Dakota
Tennessee	3,363	-	3,383	3.05	-	3,391	1	4,133	Tennessees
Texas	9,721	-	9,721	3.48	-	9,721	1	7,637	Texas
Utah	121	14	135	23.00	36.96	135	1	107	Utah
Vermont	8	1,325	1,333	7.60	7.13	1,333	1	662	Vermont
Virginia	9,267	-	9,267	4.22	-	9,355	2	9,571	Virginia
Washington	279	81	360	6.00	49.00	2,566	3	3,465	Washington
West Virginia	1,815	-	1,815	9.32	-	3,596	2	1,828	West Virginia
Wisconsin	18,788	5,006	23,794	6.92	20.00	23,794	7	23,484	Wisconsin
Wyoming	214	35	249	20.00	25.00	249	7.	-	Wyoming
Grind Total	417,879 IN	17,303 M	434,982 II	\$4.92	817.25	477,407 M	89	436,736 X	Grand Total

Weighted national average
selling price - \$5.41.

* 1962 figures.

FOREST TREE NURSERIES OF THE UNITED STATES

1 9 5 3

**LOCATION AND OWNERSHIP
NAME OF RESIDENT NURSERYMAN
PRODUCTION IN FISCAL YEAR 1953**

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
WASHINGTON 25 D. C.

FOREST TREE NURSERIES OF THE UNITED STATES IN 1953¹

Operators	Nurseries	1953 Production (M's)
Federal		
Forest Service	127	81,211
Soil Conservation Service	12 ³	22,070
Department of the Interior		
Tennessee Valley Authority	2 ⁴	26,282
Total Federal	26	129,563 M
State		
State Foresters or equivalent	93 ⁵	435,736
Total State	93	435,736 M
Other Public		
City of Seattle, Washington	1	192
Los Angeles County, California	1	68
Soil Conservation Districts	4	4,385
Total Other Public		4,645 M
Industry		
Paper companies	106	50,061
Sawmill and land companies	5	10,467
Total Industry	15	60,528 M
Commercial		
Regular private companies	35	50,000 ⁷
Total Commercial	35	50,000 M
NATIONAL TOTAL	175	680,472 M

¹ This list was compiled from reports by the operating agencies (as the State Foresters) or from direct correspondence with the nursery. Omissions and corrections should be reported to the Chief, U.S.F*S., Washington 25, D. C.

One additional nursery is currently inactive.

³ These 12 S.C.S. nurseries also produce shrubs, grasses, legume plants and seed. Eight others which produced few or no trees are shown in the list but not included in this summary. Four other nurseries shown in the list were closed out entirely in 1953. One nursery included on list but not in summary is an observational nursery only.

⁴ The T.V.A. also had an experimental nursery producing no forest tree stock.

Of these 93 nurseries 89 produced stock in 1953, 1 was idle, and 3 were being established. Not included in this summary are 4 producing only shrubs and plants for wildlife cover plantings, and 1 forestry college nursery which is considered as a part of a nearby state forester's nursery. Of these 89 tree producing nurseries 81 were under the C-14 4 cooperative tree distribution program.

⁵ In addition to these 10 nurseries, 2 more were being established.

⁷ Estimate.

FOREST—TREE NURSERIES OF THE UNITED STATES

(Each nursery's name is indented so as to place its initial letter in the column for its class of ownership)

FEDERAL		STATE		INDUSTRY		COMMERCIAL	
Forest Service	Soil Cons. Service	Dept. of Interior	Tenn. Vol. Authority	Paper	Lumber	Soil Cons. District	Regular

ALABAMA

Thorsby at Thorsby

W. C. Young, Manager
S.C.S.; Region 2, Spartanburg, S.C.
335 M produced 1953

Muscle Shoals at Wilson Dam

Henry H. Evans, Superintendent
Tennessee Valley Authority; Norris, Tenn.
16,094 M produced 1953

Alabama Polytechnic Institute at Auburn

Wm. H. Morrow, Nurseryman
State Forester; Montgomery, Ala.
5,229 M produced 1953

Edward A. Hauss at Atmore

Carl A. Muller, Superintendent
State Forester; Montgomery, Ala.
7,163 M. produced 1953

John R. Miller State Forest at Autaugaville

Hollis E. Hyde, Nurseryman
State Forester; Montgomery, Ala.
19,630 M produced 1953

Coosa River at Coosa Pines

Walter Chapman, Nurseryman
Coosa River Newsprint Co.; Coosa Pines, Ala.
(Being established)

ARIZONA

Tucson at Tucson

L. P. Hamilton, Manager
S.C.S.; Region 6; Albuquerque, N.M.
(Tree production negligible)

ARKANSAS

Arkansas State at Bluff City

Paul. M. Adams, Superintendent
Div. of Fors. & Parks; Little Rock, Ark.
23,093 M produced 1953

FOREST-TREE NURSERIES OF THE UNITED STATES

(Each nursery's name is indented so as to place its initial letter in the column for its class of ownership)

FEDERAL			STATE	INDUSTRY		COMMERCIAL		COUNTY	
Forest Service	Soil Cons. Service	Dept. of Interior		Paper	Lumbar	Soil Cons. District	Regular		
			<u>CALIFORNIA</u>						
								<p><u>Shasta</u> at Mt. Shasta K. B. Lanquist, Nurseryman Shasta National Forest; Mt. Shasta, Cal. 2,374 M produced 1953</p> <p><u>Pleasanton</u> at Pleasanton H. W. Miller, Manager S.C.S.; Region 7, Portland, Ore. (Tree production negligible)</p> <p><u>San Fernando</u> at San Fernando J. E. Woods, Manager (Tree production negligible)</p> <p>Ben Lomond at Ben Lomond Ronald Adams, In Charge Cal. Div. of For.; Sacramento, Cal. 114 M produced 1953</p> <p><u>California State</u> at Davis Ronald Adams, Nurseryman Cal. Div. of For.; Sacramento, Cal. 43 M produced 1953</p> <p><u>Magalia Branch</u> at Magalia , Nurseryman Cal. Div. of For.; Sacramento, Cal. (Being established 1953)</p> <p><u>Parlin Fork</u> at Fort Bragg Ronald Adams, In Charge Cal. Div. of For.; Sacramento, Cal. (No production 1953)</p> <p><u>Henniger Flats</u> at Altadena S.F. Gossard, Asst. Forester Los Angeles County, Los Angeles, Cal. 68 M produced 1953</p>	
			<u>COLORADO</u>						
								<p><u>Monument</u> at Monument Jesse W. Fox, Nurseryman Pike National Forest; Colorado Springs, Colo. 778 M produced 1953</p>	

FOREST-TREE NURSERIES OF THE UNITED STATES

(Each nursery's name is indented so as to place its initial letter in the column for its class of ownership)

FEDERAL				STATE	INDUSTRY		COMMERCIAL	
Forest Service	Soil Cons. Service	Dept. of Interior	Tenn Vol. Authority		Paper	Lumber	Soil Cons. District	Regular
				<u>COLORADO</u> (Continued)				
				<u>Colorado Game & Fish Department</u> at Fort Collins I. Glenn Kinghorn, Nurseryman Colo. Game & Fish Dept.; Fort Collins, Colo. 107 M produced 1953				
				<u>CONNECTICUT</u>				
				<u>Peoples State Forest</u> at Pleasant Valley A. J. Brooks, Forest Ranger State Forester; Hartford, Conn. 615 M produced 1953				
				<u>Cheshire</u> at Cheshire Philip R. Bates, Nurseryman Cheshire Nur. Co.; Cheshire, Conn. M produced 1953				
				<u>DELAWARE</u>				
				<u>State Forest Tree</u> at Lincoln O. D. Bailey, Forest Ranger State Forester; Dover, Del. 340 M produced 1953				
				<u>FLORIDA</u>				
				<u>Brooksville</u> at Brooksville C. B. Blickensderfer, Manager S.C.S.; Region 2, Spartanburg, S.C. 100 /4 produced 1953				
				<u>Munson</u> at Munson R. C. Taylor, Nurseryman State Forester; Tallahassee, Fla. 20,335 M produced 1953				
				<u>Olustee</u> at Olustee W. T. Green, Nurseryman State Forester; Tallahassee, Fla. 16,255 M produced 1953				
				<u>ack Lawton</u> at Cantonment Marshall Nelson, Nurseryman St. Regis Paper Co.; Pensacola, Fla. 12,500 M produced 1953				

FOREST-TREE NURSERIES OF THE UNITED STATES

(Each nursery's name is indented so as to place its initial letter in the column for its class of ownership)

FEDERAL				STATE	INDUSTRY		COMMERCIAL	
Forest Service	Soil Cons. Service	Dept. of Interior	Tenn. Vol. Authority		Paper	Lumber	Soil Cons. District	Regular

FLORIDA

(Continued)

St. Regis Paper Company at Madison
 Kent Van Cleave, For. Nurseryman
 St. Regis Paper Co.; Pensacola, Fla.
 6,000 M produced **1953**

National Turpentine & Pulpwood at Lake Butler
 Cecil Melvin, Nurseryman
 Nat. Turpentine & Pulpwood Corp.; Lake Butler, Fla.
 5,500 M produced **1953**

St. Mary's Kraft at Day
 J. F. Hargraves, In Charge
 St. Mary's Kraft Corp.; Day, Fla.
 1,500 M produced **1953**

St. Joe Paper at Tallahassee
 H. C. Mingledoff, Nurseryman
 St. Joe Paper Co.; Tallahassee, Fla.
 1,900 M produced **1953**

LaBelle at LaBelle
 Harry Orwig, Nurseryman
 Atlantic Land & Improvement Co.; LaBelle, Fla.
 350 M produced **1953**

GEORGIA

Americus at Americus
 J. D. Powell, Manager
 S.C.S.; Region 2, Spartanburg, S.C.
 (No tree production)

Davisboro at Davisboro
 Mack Neal, Superintendent
 Ga. Forestry Commission; Atlanta 3, Ga.
 22,115 M produced **1953**

Forestry School at Athens
 L. W. R. Jackson, Superintendent
 Geo. Foster Peabody School of For.; Athens, Ga.
 (Production included with that of Davisboro.)
 (This nursery not counted in national summary.)

FOREST-TREE NURSERIES OF THE UNITED STATES

(Each nursery's name is indented so as to place its initial letter in the column for its class of ownership)

FEDERAL				STATE	INDUSTRY		COMMERCIAL	
Forest Service	Soil Cons. Service	Dept. of Interior	Tenn. Val. Authority		Paper	Lumber	Soil Cons. District	Regular

GEORGIA (Continued)

Herty at Albany

M. E. Murphy, Superintendent
Ga. Forestry Commission; Atlanta 3, Ga.
21,944 M produced 1953

is tower River at Gainesville (Star Rt.)
Buster Harris, Superintendent
Ga. Forestry Commission; Atlanta 3, Ga.
8,815 M produced 1953

orseshoe Bend at Glenwood

J. K. Jones, Nurseryman
Ga. Forestry Commission; Atlanta 3, Ga.
(Under construction - 1953)

T. Dalby, Forest Supervisor
Union Bag Co.; Savannah, Ga.
12,121 M produced 1953

Mengels at Jesup

M. E. Nixon, In Charge
Mengels & Co.; Jesup, Ga.
600 M produced 1953

HAWAII

Haiku at Haiku, Maui

, Nurseryman
Territorial Forester; Honolulu, Hawaii
11 M produced 1953

Hilo at Hilo, Hawaii

, Nurseryman
Territorial Forester; Honolulu, Hawaii
35 M produced 1953

Lihue at Lihue, Kauai

, Nurseryman
Territorial Forester; Honolulu, Hawaii
18 M produced 1953

Makiki at Honolulu

, Nurseryman
Territorial Forester; Honolulu, Hawaii
39 M produced 1953

FOREST - TREE NURSERIES OF THE UNITED STATES

(Each nursery's name is inden'ed so as to place its initial letter in the column for i's class of ownership)

FEDERAL			STATE	INDUSTRY		COMMERCIAL	
Forest Service	Sod Cons Service	Dept. of Tenn. Vol. Interior Authority		Paper	Lumber	Sod Cons. District	Regular
			<u>HAWAII</u> (Continued)				
			<u>Molokai</u> at Kaunakakii, Molokai , Nurseryman Territorial Forester; Honolulu, Hawaii 17 M produced 1953				
			IDAHO				
			<u>Aberdeen</u> at Aberdeen Donald S. Douglas, Manager S.C.S.; Region 7, Portland 18, Ore. (Herbaceous seed only)				
			<u>School of Forestry</u> at Moscow Frank Pitkins, State Nurseryman University of Idaho; Moscow, Idaho 524 M produced 1953				
			<u>ILLINOIS</u>				
			<u>Mason State</u> at Topeka Hugh B. Wycoff, Staff Forester Ill. Dept. of Cons., Div. of For.; Springfield, Ill. 3,648 M produced 1953				
			<u>Union State</u> at Jonesboro Leslie H. Kahler, Staff Forester Ill. Dept. of Cons., Div. of For.; Springfield, Ill. 1,862 M produced 1953				
			<u>INDIANA</u>				
			<u>Vallonia</u> at Vallonia Charles C. Mony, Nurseryman Wayne-Hoosier Purchase Units; Bedford, Ind. 8,578 M produced 1953				
			<u>Clark State</u> at Henryville Kenneth I. Cook, Superintendent Dept. of Cons., Div. of For.; Indianapolis, Ind. 2,517 M produced 1953				
			<u>Jackson State</u> at Vallonia Stanley J. Hensler, Superintendent Dept. of Cons., Div. of For.; Indianapolis, Ind. 2,513 M produced 1953				

FOREST—TREE NURSERIES OF THE UNITED STATES

(Each nursery's name is indented so as to place its initial letter in the column for its class of ownership)

FEDERAL			STATE	INDUSTRY		COMMERCIAL		
Forest Service	Soil Cons. Service	Dept. of Interior	Tenn. Val. Authority		Paper	Lumber	Soil Cons. District	Regular

INDIANA (Continued)

Jasper-Pulaski State at Medaryville
 Otho Henderson, Superintendent
 Dept. of Cons., Div. of For.; Indianapolis, Ind.
 5,610 M produced 1953

IOWA

Ankeny Field Station at Ankeny
 Virgil B. Hawk, Manager
 S.C.S.; Region 3, Milwaukee, Wisc.
 Closed during year.

State Forest at Ames
 Harold G. Hertel, Nurseryman
 Iowa Cons. Comm., Div. of Lands & Waters; Des Moines, Iowa
 297 M produced 1953

Henry Field at Shenandoah
 Geo. Rose, Nurseryman
 H. Field Seed & Nur.Co.; Shenandoah, Iowa
 M produced 1953

Sherman at Charles City
 R. J. Cashman, President
 Sherman Nur.Co.; Charles City, Iowa
 M produced 1953

KANSAS

Fred P. Eshbaugh, Manager
 S.C.S.; Region 5, Lincoln, Nebr.
 1,000 M produced 1953

Kansas Landscape at Salina
 Ralph B. Ricklefs, Nurseryman
 Kan. Land. & Nur.Co.; Salina, Kan.
 M produced 1953

J. H. Skinner at Topeka
 J. Henry Skinner, Nurseryman
 J. H. Skinner & Co.; Topeka, Kan.
 M produced 1953

FOREST—TREE NURSERIES OF THE UNITED STATES

(Each nursery's name is indented so as to place its initial letter in the column for its class of ownership)

FEDERAL				STATE	INDUSTRY		COMMERCIAL	
Fores' Service	Soil Cons. Service	Dept. of Interior	Tenn. Val. Authority		Paper	Lumber	Soil Cons. Dis'ric't	Regular

KANSAS (Continued)

Prairie Gardens at McPherson
 Raymond L. Buskirk, Nurseryman
 Prairie Gardens Co., Inc.;
 McPherson, Kan.
 M produced 1953

KENTUCKY

Paducah at Paducah
 W. J. Guernsey, Manager
 S.C.S.; Region 2, Spartanburg, S.C.
 Closed during year.

Pennyrile at Dawson Springs
 J. P. Rhody, District Forester
 State Forester; Frankfort, Ky.
 604 M produced 1953

State Division of Forestry at **Louisville**
 T. B. Wellington, Nurseryman
 State Forester; Frankfort, Ky.
 541 M produced 1953
 (Closing - Future operation not planned)

State Wildlife at Frankfort
 Bowen Carter, Nursery Supervisor
 Dept. of Fish & Wildlife Resources; Frankfort, Ky.
 (Wildlife plant production only)
 (Not included in national totals on summary sheet)

LOUISIANA

Stuart at Pollock
 Carroll E. Kingsley, Nurseryman
 Kisatchie National Forest; Alexandria, La.
 21,000 M produced 1953

Northwest Louisiana at Sibley
 LeMoyné Hogan, Nurseryman
 State Forester; Baton Rouge, La.
 12,121 M produced 1953

E. E. Turner, Nurseryman
 State Forester; Baton Rouge, La.
 33,853 M produced 1953

FOREST-TREE NURSERIES OF THE UNITED STATES

(Each nursery's name is indented so as to place its initial letter in the column for its class of ownership)

FEDERAL				STATE	INDUSTRY		COMMERCIAL]
Forest Soil Service	Cons. Service	Dept. of Interior	Tenn. Val. Authority		Paper	Lumber	Soil Cons. District
							Regular

LOUISIANA (Continued)

Hodge at Hodge
 James A. Rushing, Nurseryman
 Southern Advance Bag & Paper Co., Inc.; Hodge, La.
 3.250 M produced 1953

MLLE

State Forest at Orono
 Roger Taylor, Nurseryman
 Forest Commission; Augusta, Me.
 263 M produced 1953

Western Maine Forest at Fryeburg
 Harry K. Eastman, President
 W. Me. For. Nur. Co.; Fryeburg, Me.
 X produced 1953

S. C. S. National Observational at Beltsville
 W. W. Steiner, Manager
 S.C.S.; Washington 25, D.C.
 (Observational production only)

State Forest at Harmans
 Silas Sines, Nurseryman
 State Forester; Annapolis, Md.
 3.234 M produced 1953

MASSACHUSETTS

Amherst at Amherst
 Charles Palmer, Supervisor
 State Forester; Boston, Mass.
 164 M produced 1953

Bridgewater at Bridgewater
 Maynard Hall, Superintendent
 State Forester; Boston, Mass.
 117 M produced 1953

Clinton at Clinton
 Norman B. Gardner, Supervisor
 State Forester; Boston, Mass.
 235 M produced 1953

FOREST—TREE NURSERIES OF THE UNITED STATES

(Each nursery's name is indented so as to place its initial letter in the column for its class of ownership)

FEDERAL				STATE	INDUSTRY		COMMERCIAL	
Forest Service	Soil Cons. Service	Dept. of Interior	Tenn. Vol. Authority		Paper	Lumber	Soil Cons. District	Regular

MICHIGAN

Chittenden at Wellston

Edward D. Clifford, Nurseryman
 Lover Mich. National Forest; Cadillac, Mich.
 3,685 M produced 1953

J. W. Tourney at Watersmeet

Howard W. Schneider, Nurseryman
 Ottawa National Forest; Ironwood, Mich.
 3,865 M produced 1953

Bogue at East Lansing

W. Ira Bull, Associate Professor
 Mich. State College; E. Lansing, Mich.
 1,655 M produced 1953

Dunbar at Sault St. Marie

Maurice W. Day, Forester
 Mich. State College; E. Lansing, Mich.
 2,232 24 produced 1953

Hardwood State at Boyne Falls

Arthur Overmeyer, Superintendent
 Mich. Dept. Cons., Div. of For.; Lansing, Mich.
 846 M produced 1953

Huns Lake State at Roscommon

Paul Brigham, Superintendent
 Mich. Dept. Cons., Div. of For.; Lansing, Mich.
 11,253 M produced 1953

Russ at Decatur

Arnold Ingersoll, Forester
 Mich. State College; E. Lansing, Mich.
 863 M produced 1953

Wyman at Manistigue

John C. Hollister, Superintendent
 Mich. Dept. Cons., Div. of For.; Lansing, Mich.
 673 14 produced 1953

North Muskegon SCDist. at Dalton

Carroll M. March, Nurseryman
 N. Muskegon SCDist.; Montague, Mich.
 350 M produced 1953

South Muskegon SCDist. at Sullivan

Olaf Hostad, Nurseryman
 S. Muskegon SCDist.; Fruitport, Mich.
 500 M produced 1953

FOREST-TREE NURSERIES OF THE UNITED STATES

(Each nursery's name is indented so as to place its initial letter in the column for its class of ownership)

FEDERAL				STATE	INDUSTRY		COMMERCIAL
Forest Service	Soil Conservation Service	Dept. of Interior	Fenn. Val. Authority		Paper	Lumber	Soil Conservation District Regular

MICHIGAN (Continued)

West Ottawa SCDist. at West Olive
Herbert Krumpeck, Superintendent
W. Ottawa SCDist.; Grand Haven, Mich.
1,135 M produced 1953

Forestry Associates at Hart (Rt.1)
Eugene R. Kuhne, Nurseryman
For. Assoc., Inc.; Hart, Mich.
M produced 1953

Huntree at Whitehall & Fennville
Howard P. Hunt, Nurseryman
Huntree Nur.; Saugatuck, Mich.
M produced 1953

Matthews at Harbor Springs
James E. Matthews, Nurseryman
Mat. Nur.; Harbor Springs, Mich.
M produced 1953

Vans Pines at West Olive
Marion Van Slooten, Nurseryman
Vans Pines (Rt.1); West Olive, Mich.
M produced 1953

MINNESOTA

Eveleth at Eveleth
Louis H. Deloria, Foreman, In Charge
Superior National Forest; Duluth, Minn.
2,539 M produced 1953

Lydick at Cass Lake
Chippewa National Forest; Cass Lake, Minn.
(Inactive)

Winona at Winona
Thor K. Bergh, Manager
S.C.S.; Region 3, Milwaukee, Wisc.
3,901 M produced 1953

Badoura State at Akeley
L. W. Hinds, Superintendent
Minn. Dept. Cons., Div. of For.; St. Paul, Minn.
5,370 M produced 1953

FOREST-TREE NURSERIES OF THE UNITED STATES

(Each nursery's name is indented so as to place its initial letter in the column for its class of ownership)

FEDERAL			STATE	INDUSTRY		COMMERCIAL	
Forest Service	Soil Cons. Service	Dept. of Interior	Tenn. Val. Authority	Paper	Lumber	Soil Cons. District	Regular

MINNESOTA (Continued)General Andrews at Willow River

John K. Childs, Coordinator of Nurseries
Minn. Dept. Cons., Div. of For.; St. Paul, Minn.
5,400 M produced 1953

Whitewater at Elba

Nurseryman
Minn. Dept. Cons., Div. of Fiala & Game; St. Paul, Minn.
(Wildlife plant production only)
(Not included in national totals on summary sheet)

Mando Tree at Big Falls

Bjorn Vegheim, District Forester
Minn. & Ontario Paper Co.; Minneapolis, Minn.
(To start production in 1953)

fe River at Two Harbors

Atley P. Chapman, Nurseryman
North Star Timber Co.; Duluth, Minn.
380 M produced 1953

Howard Lake & Victor at Howard Lake

Arthur E. Engel, Foreman
H. Lake & Victor Nurs.; Howard
Lake, Minn.
M produced 1953

J. V. Bailey at St. Paul

Vincent K. Bailey, Nurseryman
J. V. Bailey Nurs.; **St. Paul 6, Minn.**
M produced 1953

Jewell at Lake City

Ken Law, Manager
Jewell Nurs., Inc.; Lake City, Minn.
M produced 1953

Lake City at Lake City

H. C. Francis, Nurseryman
Lake City Nurs., Inc.; Lake City
M produced 1953

Wedge at Albert Lea

Robert C. Wedge, Nurseryman
Wedge Nurs; Albert Lea, Minn.
M produced 1953

FOREST-TREE NURSERIES OF THE UNITED STATES

(Each nursery's name is indented so as to place its initial letter in the column for its class of ownership)

FEDERAL		STATE	INDUSTRY		COMMERCIAL	
Fores' Service	Soil Cons. Service	Dept.of Interior	Tenn Val. Authority	Paper	Lumber	roil Cons. District Regular

MISSISSIPPI

W. W. Ashe at Brooklyn
 Gerald F. Erambert, Nurseryman
 Desoto National Forest; Jackson, Miss.
 28,500 M produced 1953

Billy C. James, Nurseryman
 State Forester; Jackson, Miss.
 14,781 M produced 1953

Winona at Winona
 John H. Little, Nurseryman
 State Forester; Jackson, Miss.
 17,814 M produced 1953

Gaylord Container Morgantown
 Sedgie Reid, Nurseryman
 Gaylord Container Corp.; Bogalusa, La.
 4,500 M produced 1953

MISSOURI

Elsberry at Elsberry
 , Manager
 S.C.S.; Region 3, Milwaukee, Wisc.
 1,448 M produced 1953

Licking at Licking
 Robert O. Danson, Nurseryman
 Mo. Cons. Comm., Div. of For.; Jefferson City, Mo.
 2,983 M produced 1953

Meramec State at Sullivan
 Oscar Caldwell, Foreman
 Mo. Cons. Comm., Div. of For.; Jefferson City, Mo.
 (Wildlife plant production only)
 (Not included in national totals on summary sheet)

Forrest Keeling at Elsberry
 Hugh Steavenson, Nurseryman
 Forrest Keeling Nur.; Elsberry, a.
 M produced 1953

FOREST-TREE NURSERIES OF THE UNITED STATES

(Each nursery's name is indented so as to place its initial letter in the column for its class of ownership)

FEDERAL			STATE	F	INDUSTRY	I	COMMERCIAL
Soil Cons. Service	Dept. of Interior	Tenn. Val. au'harity	Paper	Lumber	Soil Cons. District	Regular	

MONTANA

Savenac at Haugan

James W. Augenstine, Nurseryman
 Timber Mgt., Regional Office, Missoula, Mont.
 1,063 M produced 1953

Montana Forests at Missoula
 O. N. Patten, State Nurseryman
 Mont. State University; Missoula, Mont.
 690 M produced 1953

J. Neils Lumber at Libby
 Dick Griffith, Chief Forester
 J. Neils Lumber Co.; Libby, Mont.
 100 M produced 1953

Mountain Home at Haugan
 Mondell Bennett, Nurseryman
 Mt. Home Nurs.; Haugan, Mont.
 M produced 1953

NEBRASKA

Bessey at Halsey

D. A. Oliver, Nurseryman
 Nebraska National Forest; Halsey, Nebr.
 2,729 M produced 1953

Kearney at Kearney

Laird G. Wolfe, Manager
 S.C.S.; Region 5, Lincoln, Nebr.
 400 M produced 1953

Plumfield at Fremont
 J. R. Weir, Superintendent
 Plumf. Nurs., Inc.; Fremont, Nebr.
 M produced 1953

NEVADA

None

FOREST-TREE NURSERIES OF THE UNITED STATES

(Each nursery's name is indented so as to place its initial letter in the column for its class of ownership)

FEDERAL				STATE	INDUSTRY		COMMERCIAL	
Forest Service	Soil Cons. Service	Dept. of Interior	Tenn. Val. Authority		Paper	Lumber	Soil Cons. District	Regular

NEW HAMPSHIRE

State Forest at Gerrish
 L. N. Watson, Asst. State Forester
 N. H. For. & Recreation Dept.; Concord, N. H.
 951 M produced 1953

Keene Forestry Associates at Keene
Albert K. Proell, Nurseryman
 Keene For. Assoc's; Edgewood,
 Keene, N. H.
 M produced 1953

NEW JERSEY

Green Bank State at Green Bank
 C. F. Terry, Superintendent
 State Forester; Trenton, N. J.
 375 M produced 1953
 (Closing - Future operation not planned)

E. D. Anderson, Superintendent
 State Forester; Trenton, N. J.
 954 M produced 1953

NEW MEXICO

Albuquerque at Albuquerque
 J. A. Downs, Manager
 S.C.S.; Region 6, Albuquerque, N.,M.
 419 M produced 1953

NEW YORK

Big Flats at Big Flats
C. M. Clements, Manager
 S.C.S.; Region 1, Upper Darby, Pa.
 5,400 M produced 1953

Lowville at Lowville
 B. F. Miller, Foreman
 Cons. Dept., Div. of Lands & Fors.; Albany, N. Y.
 14,841 M produced 1953

FOREST-TREE NURSERIES OF THE UNITED STATES

(Each nursery's name is indented so as to place its initial letter in the column for its class of ownership)

FEDERAL				STATE	INDUSTRY		COMMERCIAL	
Forest Service	Soil Conservation Service	Dept. of Interior	Tenn. Vol. Authority		Paper	Lumber	Soil Conservation District	Regular

NEW YORK (Continued)

Painted Post at Painted Post
 W. T. Smith, Foreman
 Cons. Dept., Div. of Fish & Game; Albany, N. Y.
 (Wildlife plant production only)
 (Not included in national totals on summary sheet)

Saratoga at Saratoga Springs
 F. E. Otis, Foreman
 Cons. Dept., Div. of Lands & Fors.; Albany, N. Y.
 20,695 M produced 1953

NORTH CAROLINA

Chapel Hill at Chapel Hill
 L. R. Roof, Manager
 S.C.S.; Region 2, Spartanburg, S. C.
 Closed during year - 1953

Clayton at Clayton
 Frank J. Miller, Superintendent
 State Forester; Raleigh, N. C.
 9,819 M produced 1953

Goldsboro at Goldsboro
 William A. Bland, Superintendent
 State Forester; Raleigh, N. C.
 (Under construction - 1953)

J. S. Holmes at Penrose
 P. L. Breneman, Superintendent
 State Forester; Raleigh, N. C.
 1,443 M produced 1953

NORTH DAKOTA

Mandan at Mandan
 Elmer L. Worthington, Manager
 S.C.S.; Region 5, Lincoln, Nebr.
 I 1,300 M produced 1953

State Forest at Bottineau
 Art Marchand, Nurseryman
 N, D. School of For.; Bottineau, N. D.
 973 M produced 1953

FOREST-TREE NURSERIES OF THE UNITED STATES

(Each nursery's name is indented so as to place its initial letter in the column for its class of ownership)

FEDERAL		STATE	INDUSTRY		COMMERCIAL ⁻⁻⁷	
Forest Service	Soil Cons. Service	Dept. of Interior	Tenn. Val. Authority	Paper	Lumber	Soil Cons. District Regular

NORTH DAKOTA (Continued)

Towner at Towner

R.H. Reitz, Nurseryman

N. D. School of For.; Bottineau N. D.
34 M produced 1953

Oakes at Oakes

1 E. D. Dressel, Nurseryman
N. D. SCDist.; Oakes, N.D.
2,400 M produced 1953

Northwest at Valley City

R. J. Layton, Nurseryman
N.W. Nur.Co.; Valley City, N. D.
M produced 1953

Oscar H. Will at Bismarck

George F. Will, Nurseryman
Oscar H. Will & Co.; Bismarck, N.D.
M produced 1953

Zanesville at Zanesville

T. O. Bradley, Manager
S.C.S.; Region 3, Milwaukee, Wisc.
6,575 M produced 1953

Green Springs at Green Springs

Carl M. Bailey, Superintendent
Dept. Natural Resources, Div. of For.; Columbus, Ohio
3,750 M produced 1953

Marietta State at Marietta

Don E. Richter, Superintendent
Dept. Natural Resources, Div. of For.; Columbus, Ohio
3,214 M produced 1953

OKLAHOMA

Broken Bow at Broken Bow

William Campbell, Nurseryman
State Forester; Oklahoma City, Okla.
1,906 M produced 1953

FOREST-TREE NURSERIES OF THE UNITED STATES

(Each nursery's name is indented so as to place its initial letter in the column for its class of ownership)

FEDERAL				STATE	INDUSTRY		COMMERCIAL j	
Forest Service	Soil Cons. Service	Dept. of Interior	Tenn.Val. Authority		Paper	Lumber	Soil Cons. District	Regular 1

OKLAHOMA (Continued)

Norman at Norman
 Marion A. Walker, Superintendent
 State Forester; Oklahoma City, Okla.
 1,182 M produced 1953

OREGON

Bend at Bend
 Walter A. Engstrom, Nurseryman
 Deschutes National Forest; Bend, Ore.
 2,258 M produced 1953

Oregon Forest at Corvallis
 Verne McDaniels, Nurseryman
 State Forester; Salem, Ore.
 6,107 M produced 1953

PENNSYLVANIA

Clearfield at Clearfield
 Burt Oudette, Head Nurseryman
 State Forester; Harrisburg, Pa.
 5,873 M produced 1953

Green Furnace at Huntingdon
 Ross E. Erb, Head Nurseryman
 State Forester; Harrisburg, Pa.
 1,747 M produced 1953

Howard at Howard
 Burt Oudette, Head Nurseryman
 State Forester; Harrisburg, Pa.
 7,100 M produced 1953

Kutztown at Kutztown
 Elwood Staley, Nurseryman
 State Forester; Harrisburg, Pa.
 1,014 M produced 1953

Mont Alto at Mont Alto
 H. W. Staley, Head Nurseryman
 State Forester; Harrisburg, Pa.
 1,429 M produced 1953

FOREST-TREE NURSERIES OF THE UNITED STATES

(Each nursery's name is indented so as to place its initial letter in the column for its class of ownership)

FEDERAL			STATE	INDUSTRY		COMMERCIAL
Forest Service	Soil Cons. Service	Dept. of Interior	Tenn. Val. Authority	Paper	Lumber	Soil Cons. District Regular

PENNSYLVANIA (Continued)

Penn at Spring Mills
 John F. Meeker, Sr. Nurseryman
 State Forester; Harrisburg, Pa.
 372 M produced 1953

Canale's Forest at Shelocta
 Eugene Bricillo, Nurseryman
 Canale's For. Nur.; Shelocta, Pa.
 M produced 1953

Clearfield Coal at Clymer
 F. D. Smith, Nurseryman
 Clearf. Bituminous Coal Corp.;
 Indiana, Pa.
 M produced 1953

Eccles at Rimersburg
 Russell Denton, Nurseryman
 Eccles Nurs.; Rimersburg, Pa.
 M produced 1953

Fairview Evergreen at Fairview
 Nurseryman
 Fairview E-green Nurs.; Fairview
 M produced 1953

Louis E. Heasley, Sr., Owner
 Heasley's Nur.; Butler, Pa.
 M produced 1953

Johnston's at Penfield
 Blaine Johnston, Nurseryman
 Johnston's Nur.; Penfield, Pa.
 M produced 1953

Musser Forests at Indiana
 D. A. Malcolm, Superintendent
 Musser For. Inc.; Indiana, Pa.
 M produced 1953

Pine Hill Farms at Homer City
 E. L. Stewart, Nurseryman
 Pine Hill Farms Nur.; Homer City, Pa.
 M produced 1953

FOREST—TREE NURSERIES OF THE UNITED STATES

(Each nursery's name is inden'ed so as to place its initial letter in the column for its class of ownership)

FEDERAL				STATE	INDUSTRY		COMMERCIAL	
Forest Service	Soil Cons. Service	Dept. of Interior	Tenn. Val. Authority		Paper	Lumber	Soil Cons. Dis'ct	Regular

PENNSYLVANIA (Continued)

Schroth's at Pine Flats
 John W. Nelson, Superintendent
 Schroth's Nurs.; Indiana, Pa.
 M produced 1953

Suncrest Evergreen at Homer City
 Lewis O. Long, Nurseryman
 Sun. E-green Nurs.; Johnston, Pa.
 M produced 1953

Willow's Evergreen at Clarendon
 W. W. Willow, Nurseryman
 Willow's E-green Nur.; Clarendon, Pa.
 M produced 1953

PUERTO RICO

'Catalina at Palmer
 Felipe Castro Robledo, Foreman
 F.S., Dept. Agri. & Commerce; Rio Piedras, P. R.
 1,009 M produced 1953

Toa at Toa Alta
 Manuel Lopez Canals, Nurseryman
 F.S., Dept. Agri. & Commerce; Rio Piedras, P. R.
 365 M produced 1953

RHODE ISLAND

Arcadia State Forest at Hope Valley
 Henry J. Deion, Jr., Forester
 Div. Fors. & Parks; Providence, R. I.
 47 M produced 1953

SOUTH CAROLINA

Rock Hill at Rock Hill
 W. Hanel Rhodes, Manager
 S.C.S.; Region 2, Spartanburg, S. C.
 Closed during year - 1953

Horace L. Tilghman Forest Tree
 L. M. Staley, Nurseryman
 State Forester; Columbia 1, S* C.
 21, 078 M produced 1953

FOREST-TREE NURSERIES OF THE UNITED STATES

(Each nursery's name is indented so as to place its initial letter in the column for its class of ownership)

	FEDERAL	STATE	INDUSTRY		COMMERCIAL		
Forest	'Soil Cons. Service	Dept.of Interior	Tenn.Val Authority	Paper	Lumber	'Soil Cons. District	Regular

SOUTH DAKOTA

Anderson at Twin Brooks
 John C. Anderson, Nurseryman
 Anderson Nur.; Twin Brooks, S.D.
 M produced 1953

Gurney Seed, at Yankton
 J. E. Korves, Nurseryman

M produced 1953

TENNESSEE

Clinton at Clinton
 Toivo V. Lehto, Asst. Superintendent
 Tennessee Valley Authority; Norris, Tenn.
 10,188 M produced 1953

Norris at Norris
 J. H. Hatmaker, Superintendent
 Tennessee Valley Authority; Norris, Tenn.
 (An experimental nursery) |
 (Not included in national totals on summary sheet)

Vinson at Pinson
 Gerald T. Williams, Nurseryman
 State Forester; Nashville, Tenn.
 4,133 M produced 1953

Boyd at McMinnville
 Henry Boyd, Vice President
 Boyd Nur.Co., Inc.; McMinnville
 M produced 1953

TEXAS

Dalhart at Dalhart
 James E. Smith, Jr., Nur. Manager
 S.C.S.; Region 4, Fort Worth, Texas
 (No tree production)

San Antonio at San Antonio
 James E. Smith, Jr., Nur. Manager
 S.C.S.; Region 4, Fort Worth, Texas
 (No tree production)

Indian Mound at Alto
 R. F. Lindsey, Superintendent
 State Forester; College Station 5, Texas
 7,637 M produced 1953

FOREST-TREE NURSERIES OF THE UNITED STATES

(Each nursery's name is indented so as to place its initial letter in the column for its class of ownership)

FEDERAL		STATE	INDUSTRY		COMMERCIAL		
Forest Service	Soil Cons. Service	Dept. of Interior	Tenn. Val. Au'hori'y	Paper	Lumber	Soil Cons. District	Regular

UTAH

Utah Clarke-McNary at Logan

Dr. T. W. Daniel, Prof. of Silviculture,
School of For., Utah State Agri. College, Logan, Utah
107 M produced **1953**

VERMONT

State Tree at Essex Junction

Kenneth L. Hovey, Nurseryman
State Forester; Montpelier, Vt.
662 M produced **1953** (Estimate)

VIRGINIA

Sandy Level at Gretna

W. H. Mann, Manager
S.C.S.; Region 2, Spartanburg, S. C.
1,000 M produced **1953**

Charlottesville at Charlottesville

William G. Haag, Nurseryman
State Forester; Charlottesville, Va.
2,736 M produced **1953**

Windsor State at Boulevard

G. W. King, Superintendent
State Forester; Charlottesville, Va.
6,835 M produced **1953**

WASHINGTONWind River at Carson

Forrest W. Deffenbacher, Nurseryman
Gifford Pinchot National Forest; Vancouver, Wash.
3,842 M produced **1953**

Bellingham, Unit at Bellingham

W. E. Chapin, Manager
S.C.S.; Region 7, Portland, Ore.
192 M produced 1953

Pullman at Pullman

J. L. Schwndimann, Manager
S.C.S.; Region 7, Portland, Ore.
(No tree production)

FOREST-TREE NURSERIES OF THE UNITED STATES

(Each nursery's name is indented so as to place its initial letter in the column for its class of ownership)

FEDERAL		STATE	INDUSTRY		COMMERCIAL		MUNICIPAL
Forest Service	Soil Cons. Service]	Tenn. Val. Authority	Paper	Lumber	'Soil Cons. District	Regular	

WASHINGTON (Continued)

Capitol State Forest at Little Rock
 "Red" Ward, Nurseryman
 Supervisor of For.; Olympia, Wash.
 2,940 M produced **1953**

Federal State Forest at Pullman
 R. W. Dingle, Nurseryman
 Wash. State College; Pullman, Wash.
 400 M produced 1953

Ponderosa Pine at Pullman
 R. W. Dingle, Nurseryman
 Wash. State College; Pullman Wash.
 115 M produced **1953**

Forest-Industries at Nisqually
 Earl McDermitt, Nurseryman
 West Coast Lumberman's Assn.; Portland, Ore.
 9,037 M produced **1953**

Walsh Lake at Cedar Falls
 Allen E. Thompson, Forester
 City of Seattle; Water Dept.
 Seattle 4, Wash.
 19211 produced **1953**

WEST VIRGINIA

Parsons State at Parsons
 Alvin son, Nurseryman
 Cons. Comm. of W. Va.; Charleston, W. Va.
 505 M produced **1953**

Hobert Woodrum, Nurseryman
 Cons. Comm. of W. Va.; Charleston, W. Va.
 1,323 M produced **1953**
 (Closing - Future operation not planned)

WISCONSIN

Clark County Transplant at Neillsville
 Nurseryman
 Wisc. Cons. Dept., Div. of For.; Madison, Wisc.
 278 M produced **1953**

FOREST-TREE NURSERIES OF THE UNITED STATES

(Each nursery's name is indented so as to place its initial letter in the column for its class of ownership)

FEDERAL				STATE	INDUSTRY		COMMERCIAL	
Forest Service	Soil Cons. Service	Dept. of Interior	Tenn. Vol. Authority		Paper	Lumber	Soil Cons. District	Regular

WISCONSIN (Continued)

Gordon State at Gordon
 Aloise J. Lupa, Nurseryman
 Wisc. Cons. Dept., Div. of For. & Parks, Madison, Wisc.
 3,559 M produced 1953

Griffith State at Wisconsin Rapids
 William H. Brener, In Charge, Nurseries
 Wisc. Cons. Dept., Div. of For. & Parks, Madison, Wisc.
 9,854 M produced 1953

Hayward State at Hayward
 Edward MacDonald, Nurseryman
 Wisc. Cons. Dept., Div. of For. & Parks, Madison, Wisc.
 5,045 M produced 1953

Hugo Sauer at Rhinelander
 Alvin Nelson, Nurseryman
 Wisc. Cons. Dept., Div. of For. & Parks, Madison, Wisc.
 1,753 M produced 1953

Marathon County Transplant at Wausaw
 , Nurseryman
 Wisc. Cons. Dept., Div. of For. & Parks, Madison, Wisc.
 93 M produced 1953

Trout Lake at Boulder Junction
 Orlando Chada, Nurseryman
 Wisc. Cons. Dept., Div. of For. & Parks; Madison, Wisc.
 2,902 M produced 1953

E. S. Hurd, Nurseryman
 Consolidated Water Power & Paper Co.; Wisconsin
 Rapids, Wisc.
 290 M produced 1953

Howard Anderson, Manager
 Nekoosa-Edwards Paper Co.; Wisconsin Rapids, Wisc.
 2,500 M produced 1953

Evergreen at Sturgeon Bay
 Thos. S. Pinney, Nurseryman
 E-green Nur. Co.; Sturgeon Bay,
 Wisc.
 M produced 1953

FOREST-TREE NURSERIES OF THE UNITED STATES

(Each nursery's name is indented so as to place its initial letter in the column for its class of ownership)

FEDERAL			STATE	F	INDUSTRY		I	
Forest Service	Soil Conservation Service	Dept. of Interior			Paper	Lumber	Soil Conservation District	Regular

WYOMING

None

Invitation

All persons who work in reforestation, or who are interested in it or some allied field are invited to send in material for publication in Tree Planters' Notes. If their material is not yet in final form for publication, they are invited to at least send a letter to Tree Planters' Notes and tell what they are doing and what manner of information should be published. Beautifully typed articles of flawless grammar are not required, although such would not be rejected* Manuscripts written in lead pencil during noon hour are acceptable if that is what it takes to get an account of what has been done. The address is: Chief, Forest Service, U. S. Department of Agriculture, Washington 25, **D. C.**

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