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Tree Planters' Notes



for Planters of Forests
and Shelterbelts
and for Nurserymen

1964 REPORT



FOREST AND WINDBARRIER

PLANTING AND SEEDING

IN THE U. S.

Washington, D.C. 20250
December 1964

1964

REPORT OF FOREST AND WINDBARRIER PLANTING AND SEEDING
IN THE UNITED STATES

(July 1, 1963 - June 30, 1964)

Acres Planted - FY 1964 and Previous Years

Implanting during the fiscal year 1964 (July 1, 1963 - June 30, 1964) as reported by various public agencies, principally the State Foresters, ns as follows:

	<u>Acres</u>
Forest plantings*	1,313,174**
Windbarrier plantings	<u>40,450</u>
Total	1,353,624***

Misrepresents a 9,075 acre reduction in tree planting from last year's figure of 1,362,699 acres.

Comparable figures for several of the past years are as follows:

Year	Acres
1964	1,353,624
1963	1,362,699
1962	1,402,115
1961	1,796,206
1960	2,137,460
1959	2,151,743
1958	1,568,708
1957	1,170,990
1956	915,428
1955	812,588
1950	497,507
1940	519,051
1930	138,970

Includes trees planted primarily for Christmas tree production

**Includes 184,116 acres planted by direct seeding.

***This does not represent the area satisfactorily reforested or established to windbarriers, for some of the plantings or seedings are unsuccessful. It is estimated that 80 percent of this acreage will result in acceptable plantations.

The total amount of planting in each State is shown by class of owners and purpose in Table 6 of this report. More than 50,000 acres were planted in 1964 in each of the following 10 States:

	Acres	
Oregon	149,624	
Florida	144,163	
Georgia	114,534	
Mississippi	79,482	
Alabama	78,234	
South Carolina	73,098	
Virginia	64,592	
Washington	58,943	
Louisiana	58,878	
North Carolina	52,136	
Total	873,684	- 72% of the national total

Comparison to the 1964 with the 1963 figures shows changes in planting activity by the three broad ownership classes as follows:

The Federal Government planted 278,659 acres of forest and 1,004 acres of windbarriers in 1964 on lands administered by its various agencies; a total of 279,663 acres. This is 10,407 acres or 4 percent more than in 1963. (Federal windbarrier planting increased 238 acres.)

The States and other non-Federal public agencies planted 88,917 acres of forest and 859 acres of windbarriers; a total of 89,776 acres. This is 14,301 acres or 13 percent less than in 1963. (Windbarrier plantings increased 405 acres.)

Private landowners planted 945,598 acres of forest and 38,587 acres of windbarriers; a total of 984,185 acres. This is 5,177 acres less than in 1963. (Private windbarrier plantings increased 3,796 acres.)

Seventy-two percent of all forest planting was on privately-owned lands. The 15 States with forest plantings over 20,000 acres on privately-owned land are listed below. The listing also includes the 13 States with more than 10,000 acres of planting on industry-owned land. More than 50 percent of the private land forest planting in 10 of these 15 States is on industry-owned land.

<u>State</u>	<u>Percent</u>
Oregon	91
Louisiana	86
Texas	80
Georgia	72
Florida	69
North Carolina	69
Alabama	65
Virginia	65
South Carolina	50

ACRES PLANTED ON PRIVATELY-OWNED LAND

<u>State</u>	<u>Industry Owned</u>	<u>Other Privately Owned</u>	<u>Total</u>
Florida	89,316	39,504	128,820
Georgia	79,142	29,747	108,889
Mississippi	30,058	40,972	71,030
Alabama	44,330	23,060	67,390
Virginia	39,796	21,797	61,593
South Carolina	28,670	28,150	56,820
Oregon	50,284	5,193	55,477
Louisiana	45,675	7,169	52,844
North Carolina	31,683	14,222	45,905
Pennsylvania	19,670	19,963	39,633
Texas	24,176	6,072	30,248
Washington	22,750	7,071	29,821
Tennessee	14,297	14,871	29,168
Wisconsin	2,854	22,791	25,645
Michigan	<u>1,065</u>	<u>24,168</u>	<u>25,233</u>
Total	523,766	304,750	828,516

Forest industries and other industries (mining, RR, water & power companies) planted 559,000 acres in 1964 or 59 percent of the private land planting. In 1964 forest industries planted 485,095 acres, 17,764 more than in 1963; and other industries planted 73,910 acres, 3,535 acres more than in 1963.

Windbarrier Planting

windbarrier planting was reported from 31 States and Puerto Rico. It amounted to 40,450 acres, classed as follows:

	<u>Acres</u>
Federal land	1,004
Other public land	859
Private land	<u>38,587</u>
Total	40,450

Private land windbarrier planting increased 3,796 acres in 1964. The public agencies planted 643 acres more than in 1963.

The need for windbarriers exists mostly on private lands. The eight States in which farmers and ranchers planted 1,000 or more acres of windbarrier in 1964 are:

		Acres
	North Dakota	12,206
	South Dakota	6,735
	Nebraska	6,190
	Minnesota	3,454
	Colorado	1,922
	Kansas	1,860
	Montana	1,749
	Texas	1,004
	Total	35,120
Total private land windbarrier planting above in eight States	35,120	877
Total private land windbarrier plantings in the United States (24 States and Puerto Rico)	38,587	95%
Total public land windbarrier planting	1,863	57.

Sources of Planting Stock

All public and private nurseries together shipped 948,312,000 trees in 1964 -- 9 percent less than in 1963.

Nursery shipments of forest and windbarrier planting stock for 1963 are summarized as follows:

	<u>Nurseries that shipped trees in 1964</u>	<u>Quantity shipped</u>
<u>Federal:</u>		
Forest Service	15	106,986,000
Tennessee Valley Authority	1	7,625,850
	16	114,611,850
<u>State:</u>		
State Foresters or equivalent	98	584,192,000
		584,192,000
<u>Other Public:</u>		
Soil Conservation Districts	10	18,867,000
County and Municipal	3	519,000
	13	19,396,000
<u>Industry:</u>		
Paper and lumber companies	26	164,094,000
		164,094,000
<u>Commercial:</u>		
Private companies	93	66,028,000
		66,028,000
Total - 1964	246	948,312,000
Total - 1963	249	1,008,389,000

For additional details see Table 7 of this report and also "Forest Tree Nurseries in the United States - 1964," Tree Planters' Notes No. 69 published by the U.S. Department of Agriculture, Forest Service, Washington, D.C., 20250.

In 1964 the 16 Federal nurseries shipped 114,612,000 trees in comparison with 126,592,000 in 1963. Most of the Forest Service nursery trees were planted on National Forest lands. Planting stock from the Tennessee Valley Authority nursery were used on Federal and private lands through established programs.

The State nurseries shipped 584,192,000 plants in 1964. Most of the stock from these nurseries was produced under the Federal-State cooperative tree distribution program (C-M 4). The 12 States with the largest shipments were:

	Trees
Florida	66,307,000
Mississippi	53,372,000
South Carolina	50,815,000
North Carolina	39,978,000
Georgia	39,097,000
Alabama	37,799,000
Louisiana	32,193,000
Minnesota	27,509,000
Wisconsin	25,488,000
Virginia	24,575,000
Oregon	20,297,000
Tennessee	18,379,000
Total	435,809,000

These 12 States shipped 46 percent of the Nation's entire supply and 75 percent of the shipments from State nurseries.

Forty-three States and Puerto Rico shipped 584,192,000 trees from 98 nurseries in 1964. In 1963, 99 nurseries shipped 618,254,000 plants.

Forty-eight States and Puerto Rico conducted tree distribution programs in 1964. Five of these purchased all of the trees they distributed from commercial, other State, or Federal nurseries. Arizona and Alaska are the only two States that did not distribute trees in 1964.

The total output of the 10 Soil Conservation District nurseries was 18,867,000 trees as against 12,671,000 for the 10 nurseries in 1963. The stock from these nurseries all goes to District cooperators for planting on private lands.

There are now 3 county and municipal nurseries. They produced 519,000 trees in 1964 as against 496,000 in 1963. Their entire output is planted on public lands.

Most seedlings from forest industry nurseries go to plant company lands, although some stock is distributed to other private landowners through various company programs. A total of 26 such nurseries shipped trees in 1964 with total shipments of 164,094,000 trees as against shipments of 185,615,000 trees in 1963.

Commercial nurseries shipping stock in 1964 numbered 93 and their total output was 66,028,000 plants, which is about 1 million more than in 1963.

Of the 93 commercial nurseries that reported, 24 are in Pennsylvania and 23 are in Michigan. Their production runs heavily to Christmas tree planting stock. Fourteen commercial nurseries reported from Colorado, Iowa, Kansas, Nebraska and South Dakota. They produce mainly windbarrier species in addition to ornamental stock not reported herein. A large share of their production is sold to the States for distribution under the Federal-State cooperative tree planting program. The other 32 commercial nurseries are located in 13 States distributed from coast to coast, primarily in the North.

Direct Seeding

Twenty-five States reported from 15 to 41,591 acres direct seeded on privately-owned land. The amount of such work is detailed in Table 4 of this report and is summarized below:

	Acres
Federal lands	42,839
Non-Federal public	8,958
Private	132,238
Total reported 1964	184,035
Total reported 1963	221,511
Total reported 1962	210,907
Total reported 1961	181,404
Total reported 1960	164,523
Total reported 1959	108,766
Total reported 1958	81,296

The following 12 States direct seeded more than 3,500 acres each on Federal and private lands:

	<u>Acres</u>	
Oregon	61,011	
Louisiana	24,423	
washington	20,444	
Florida	11,027	
Georgia	10,638	
Mississippi	10,056	
Arkansas	7,231	
Virginia	7,064	
California	6,522	
Alabama	5,198	
Texas	3,696	
South Carolina	3,574	
	170,884	--- 93% of total

Table 1
ACRES OF FOREST PLANTING (INCLUDING SEEDING) ON FEDERAL LAND 1964
 (EXCLUSIVE OF WINDBARRIER PLANTING)
 July 1, 1963 - June 30, 1964

STATE	NATIONAL FORESTS			U. S. DEPARTMENT OF THE INTERIOR AND INDIAN RESERVATIONS			OTHER FEDERAL			TOTAL - TABLE 1			STATE
	Current year	Previous years	Total	Current year	Previous years	Total	Current year	Previous years	Total	Current year	Previous years	Total	
Alabama	5,935	74,138	80,073	257	2,406	2,663	2,563	27,887	30,450	8,755	104,431	113,186	Alabama
Alaska	105	4,660	4,765	10	0	10	0	0	0	115	4,660	4,775	Alaska
Arizona	756	5,457	6,213	0	39	39	0	0	0	756	5,496	6,252	Arizona
Arkansas	6,745	53,427	60,172	0	323	323	20	5,389	5,389	6,765	59,119	65,884	Arkansas
California	20,931	160,087	181,018	3,689	3,669	7,358	0	85	85	24,620	163,842	188,461	California
Colorado	6,547	83,065	89,612	1,284	1,519	2,803	94	476	570	7,925	85,060	92,985	Colorado
Connecticut	0	0	0	0	0	0	0	0	0	0	0	0	Connecticut
Delaware	0	0	0	0	41	41	0	10	10	0	51	51	Delaware
Florida	4,881	57,179	62,060	137	498	635	4,602	17,419	22,021	9,620	75,096	84,716	Florida
Georgia	3,202	45,438	48,640	110	470	580	1,668	7,932	9,600	4,980	53,840	58,820	Georgia
Hawaii	0	0	0	0	0	0	0	0	0	0	0	0	Hawaii
Idaho	14,390	143,965	158,355	578	1,003	1,581	0	0	0	14,968	144,968	159,936	Idaho
Illinois	1,919	47,063	48,982	0	6,629	6,629	59	217	276	1,978	53,909	55,887	Illinois
Indiana	1,231	25,571	26,802	0	0	0	61	5,729	5,790	1,292	31,300	32,592	Indiana
Iowa	0	60	60	0	142	142	72	2,149	2,221	72	2,351	2,423	Iowa
Kansas	0	100	100	0	0	0	20	64	84	20	164	184	Kansas
Kentucky	398	2,271	2,669	560	1,943	2,503	1,034	2,162	3,196	1,992	6,376	8,368	Kentucky
Louisiana	5,718	153,106	158,824	0	0	0	300	3,596	3,896	6,018	156,702	162,720	Louisiana
Maine	0	470	470	0	2	2	21	218	239	21	690	711	Maine
Maryland	0	0	0	0	5	5	118	18	136	118	23	141	Maryland
Massachusetts	0	0	0	0	6	6	0	523	523	0	529	529	Massachusetts
Michigan	13,247	618,566	631,813	106	481	587	75	237	312	13,428	619,284	632,712	Michigan
Minnesota	8,826	177,702	186,528	1,159	10,683	11,842	0	3	3	9,985	188,388	198,373	Minnesota
Mississippi	7,619	216,739	224,358	261	1,608	1,869	0	14,189	14,189	7,880	232,536	240,416	Mississippi
Missouri	6,485	88,032	94,517	0	61	61	305	1,344	1,649	6,790	89,437	96,227	Missouri
Montana	8,234	64,305	72,539	1,043	3,622	4,665	0	132	132	9,277	68,059	77,336	Montana
Nebraska	407	30,838	31,245	20	474	494	0	669	669	427	31,981	32,408	Nebraska
Nevada	0	506	506	17	25	42	0	0	0	17	591	548	Nevada
New Hampshire	9	1,172	1,181	0	0	0	0	48	48	9	1,220	1,229	New Hampshire
New Jersey	0	0	0	0	0	0	48	733	781	48	733	781	New Jersey
New Mexico	1,624	4,461	6,085	210	65	275	10	20	30	1,844	4,546	6,390	New Mexico
New York	0	0	0	0	20	20	9	4,453	4,462	9	4,473	4,482	New York
North Carolina	4,208	28,809	33,017	200	251	451	212	2,224	2,436	4,620	31,284	35,903	North Carolina
North Dakota	0	967	967	180	27	207	0	0	0	180	994	1,174	North Dakota
Ohio	740	20,083	20,823	0	0	0	812	1,654	2,466	1,552	21,737	23,289	Ohio
Oklahoma	2,305	8,068	10,373	562	0	562	30	1,720	1,750	2,897	9,788	12,685	Oklahoma
Oregon	45,466	353,096	398,562	31,911	202,834	234,745	0	0	0	77,377	555,930	633,307	Oregon
Pennsylvania	280	19,307	19,587	0	0	0	167	522	689	447	19,829	20,276	Pennsylvania
Rhode Island	0	0	0	0	0	0	0	41	41	0	41	41	Rhode Island
South Carolina	2,944	25,276	28,220	2,500	8,648	11,148	5,221	74,357	79,778	10,665	108,447	119,166	South Carolina
South Dakota	379	41,392	41,971	408	1,335	1,743	0	34	34	981	42,781	43,748	South Dakota
Tennessee	947	9,629	10,576	436	152	588	4,069	48,169	52,238	5,432	57,950	63,402	Tennessee
Texas	1,989	56,142	58,131	0	0	0	425	11,422	11,847	2,414	67,564	69,978	Texas
Utah	1,668	5,994	7,662	13	65	78	0	0	0	1,681	6,059	7,740	Utah
Vermont	0	1,430	1,430	0	8	8	0	0	0	0	1,438	1,438	Vermont
Virginia	1,270	6,667	7,937	0	0	0	772	3,459	4,231	2,042	10,126	12,168	Virginia
Washington	18,877	238,225	257,102	1,030	5,944	6,974	18	2,641	2,659	19,925	246,810	266,735	Washington
West Virginia	677	17,924	18,601	0	0	0	625	187	812	1,302	18,111	19,413	West Virginia
Wisconsin	4,994	242,585	247,579	181	3,774	3,955	165	488	653	5,340	246,847	252,187	Wisconsin
Wyoming	1,709	9,991	11,700	340	2,490	2,830	0	0	0	2,049	12,481	14,530	Wyoming
TOTAL - 50 STATES	207,862	3,143,963	3,351,825	47,202	261,262	308,464	23,595	242,800	266,395	278,659	3,648,025	3,926,684	TOTAL - 50 STATES
Puerto Rico	0	0	0	0	0	0	0	0	0	0	0	0	Puerto Rico
GRAND TOTAL	207,862	3,143,963	3,351,825	47,202	261,262	308,464	23,595	242,800	266,395	278,659	3,648,025	3,926,684	GRAND TOTAL

Table 2

ACRES OF FOREST PLANTING (INCLUDING SEEDING) ON NON-FEDERAL PUBLIC LAND 1964
 (EXCLUSIVE OF WINDBARRIER PLANTING)
 July 1, 1963 - June 30, 1964

STATE	STATE AGENCIES						OTHER PUBLIC AGENCIES			TOTAL - TABLE 2			STATE
	STATE FOREST LAND			OTHER STATE LAND			TOWN, BOROUGH, COUNTY AND PUBLIC SCHOOLS						
	Current year	Previous years	Total	Current year	Previous years	Total	Current year	Previous years	Total	Current year	Previous years	Total	
Alabama	0	1,163	1,163	516	4,003	4,519	1,573	3,140	4,713	2,089	6,306	10,395	Alabama
Alaska	0	0	0	0	0	0	0	0	0	0	0	0	Alaska
Arizona	0	0	0	0	0	0	0	0	0	0	0	0	Arizona
Arkansas	32	5,910	5,942	25	383	408	6	727	733	63	7,020	7,083	Arkansas
California	38	531	569	148	1,162	1,310	190	527	717	376	2,220	2,596	California
Colorado	0	0	0	0	10	10	75	330	405	75	340	415	Colorado
Connecticut	91	11,335	11,426	38	739	777	72	3,876	3,948	201	15,950	16,151	Connecticut
Delaware	10	501	511	5	138	143	0	215	215	15	854	869	Delaware
Florida	3,027	48,702	51,729	2,119	11,715	13,834	577	3,397	3,974	5,723	63,814	69,537	Florida
Georgia	0	10,327	10,327	378	6,392	6,770	87	6,398	6,685	665	23,317	23,982	Georgia
Hawaii	3,176	42,932	46,108	0	562	562	0	167	167	3,176	43,661	46,837	Hawaii
Idaho	140	467	607	0	705	705	0	136	136	140	1,308	1,448	Idaho
Illinois	195	5,573	5,768	420	7,738	8,158	179	5,838	6,017	794	19,149	19,943	Illinois
Indiana	177	25,663	25,840	146	4,304	4,450	9	743	752	332	30,710	31,042	Indiana
Iowa	163	2,893	3,056	113	5,877	5,990	71	501	572	347	9,271	9,618	Iowa
Kansas	0	0	0	0	4,000	4,000	0	0	0	0	4,000	4,000	Kansas
Kentucky	256	9,347	9,603	93	876	969	23	780	803	372	11,003	11,375	Kentucky
Louisiana	0	5,453	5,453	16	340	356	0	7,427	7,427	16	13,420	13,436	Louisiana
Maine	0	331	331	37	435	472	47	1,370	1,617	84	2,336	2,420	Maine
Maryland	301	7,232	7,533	152	1,223	1,375	466	4,198	4,664	919	12,653	13,572	Maryland
Massachusetts	259	33,688	33,947	17	13,133	13,150	54	17,547	17,601	330	64,168	64,498	Massachusetts
Michigan	7,935	399,244	407,179	198	23,678	23,876	55	19,704	19,759	8,188	442,626	450,814	Michigan
Minnesota	10,143	93,988	104,131	980	28,783	29,763	3,287	34,762	38,049	14,410	157,533	171,943	Minnesota
Mississippi	0	3,283	3,283	292	3,640	3,932	280	7,741	8,021	572	14,664	15,236	Mississippi
Missouri	936	6,694	7,630	101	1,870	1,971	0	94	94	1,037	8,658	9,695	Missouri
Montana	152	1,753	1,905	24	46	70	0	3	3	176	1,802	1,978	Montana
Nebraska	0	200	200	14	630	644	0	884	884	14	1,714	1,728	Nebraska
Nevada	0	0	0	0	17	17	0	0	0	0	17	17	Nevada
New Hampshire	60	8,429	8,489	10	262	272	50	4,687	4,737	126	13,378	13,498	New Hampshire
New Jersey	2	11,310	11,312	234	1,154	1,388	9	1,680	1,689	245	14,144	14,389	New Jersey
New Mexico	0	2	2	0	0	0	0	2	2	0	4	4	New Mexico
New York	2,054	423,962	426,016	356	29,917	30,273	602	100,224	100,826	3,012	554,103	557,115	New York
North Carolina	686	7,671	8,357	752	11,156	11,908	173	4,624	4,797	1,611	23,451	25,062	North Carolina
North Dakota	0	0	0	5	0	5	0	0	0	5	0	5	North Dakota
Ohio	70	21,364	21,434	589	10,965	11,554	1,371	22,217	23,588	2,030	54,566	56,576	Ohio
Oklahoma	0	0	0	115	1,515	1,630	4	220	224	119	1,735	1,854	Oklahoma
Oregon	16,042	196,481	212,523	70	4,187	4,257	550	5,828	6,378	16,662	206,496	223,158	Oregon
Pennsylvania	1,475	74,331	75,806	352	14,962	15,314	503	16,097	16,600	2,330	103,390	107,720	Pennsylvania
Rhode Island	25	4,539	4,564	0	513	513	37	6,914	6,951	62	11,966	12,028	Rhode Island
South Carolina	5,316	32,877	38,193	117	17,941	18,058	180	5,227	5,407	5,613	56,045	61,658	South Carolina
South Dakota	0	436	436	50	2,586	2,636	0	0	0	50	3,022	3,072	South Dakota
Tennessee	418	48,371	48,789	0	1,995	1,995	77	1,497	1,574	495	51,863	52,358	Tennessee
Texas	2	712	714	268	1,291	1,559	0	2,126	2,126	270	4,129	4,399	Texas
Utah	0	0	0	10	90	100	0	0	0	10	90	100	Utah
Vermont	11	3,500	3,511	59	523	582	24	4,549	4,573	94	8,572	8,666	Vermont
Virginia	527	4,850	5,377	254	1,505	1,759	176	1,523	1,699	957	7,878	8,835	Virginia
Washington	8,731	113,351	122,082	0	334	334	355	8,007	8,362	9,086	121,692	130,778	Washington
West Virginia	0	1,870	1,870	232	1,753	1,985	46	961	1,007	278	4,384	4,862	West Virginia
Wisconsin	2,163	70,012	72,175	150	4,768	4,918	3,373	179,078	182,451	5,686	253,858	259,544	Wisconsin
Wyoming	0	0	0	0	0	0	0	0	0	0	0	0	Wyoming
TOTAL - 50 STATES	64,613	1,741,078	1,805,691	9,655	230,016	239,671	14,581	486,366	500,947	88,649	2,457,460	2,546,309	TOTAL - 50 STATES
Puerto Rico	67	22,281	22,348	0	3,574	3,574	1	484	485	68	26,339	26,407	Puerto Rico
GRAND TOTAL	64,680	1,763,359	1,828,039	9,655	233,590	243,245	14,582	486,850	501,432	88,717	2,483,799	2,572,716	GRAND TOTAL

Table 4
ACRES OF DIRECT SEEDING ON ALL OWNERSHIP OF LAND 1964
 (INCLUDED IN TABLES 1, 2, & 3)
 July 1, 1963 - June 30, 1964

STATE	FEDERAL			OTHER PUBLIC (NON-FEDERAL)			PRIVATELY OWNED			TOTAL - TABLE 4			STATE
	Current year	Previous years	Total	Current year	Previous years	Total	Current year	Previous years	Total	Current year	Previous years	Total	
Alabama	822	4,973	5,795	0	0	0	4,376	51,983	56,359	5,198	56,956	62,154	Alabama
Alaska	105	4,658	4,763	0	0	0	0	0	0	105	4,658	4,763	Alaska
Arizona	235	2,459	2,694	0	0	0	0	0	0	235	2,459	2,694	Arizona
Arkansas	4,160	16,683	20,843	0	24	24	2,966	8,789	11,755	7,126	25,496	32,622	Arkansas
California	1,561	12,790	14,351	2	100	102	4,959	11,392	16,351	6,522	24,282	30,804	California
Colorado	1,087	4,237	5,324	0	0	0	0	0	0	1,087	4,237	5,324	Colorado
Connecticut	0	0	0	0	12	12	0	0	0	0	12	12	Connecticut
Delaware	0	0	0	0	0	0	0	16	16	0	16	16	Delaware
Florida	2,456	7,900	10,356	0	1,108	1,108	8,571	37,090	45,661	11,027	46,098	57,125	Florida
Georgia	6	2,128	2,134	0	0	0	10,632	24,491	35,123	10,638	26,619	37,257	Georgia
Hawaii	0	0	0	100	10	110	0	0	0	100	10	110	Hawaii
Idaho	622	2,528	3,150	20	25	45	15	1,955	1,970	657	4,508	5,165	Idaho
Illinois	76	1,783	1,859	9	200	209	0	0	0	85	1,983	2,068	Illinois
Indiana	0	451	451	27	0	27	20	0	20	47	451	498	Indiana
Iowa	0	0	0	2	4	6	63	57	120	65	61	126	Iowa
Kansas	0	0	0	0	0	0	560	525	1,085	560	525	1,085	Kansas
Kentucky	24	16	40	0	6	6	135	912	1,047	159	934	1,093	Kentucky
Louisiana	1,990	13,474	15,464	0	210	210	22,433	216,390	238,823	24,423	230,074	254,497	Louisiana
Maine	0	0	0	0	2	2	25	28	53	25	30	55	Maine
Maryland	0	0	0	0	0	0	0	0	0	0	0	0	Maryland
Massachusetts	0	0	0	0	5	5	0	5	5	0	10	10	Massachusetts
Michigan	82	2,485	2,567	0	0	0	0	0	0	82	2,485	2,567	Michigan
Minnesota	925	4,841	5,766	200	0	200	0	0	0	1,125	4,841	5,966	Minnesota
Mississippi	3,308	27,891	31,199	0	316	316	6,748	16,066	22,814	10,056	44,273	54,329	Mississippi
Missouri	200	13,192	13,392	532	483	1,015	358	925	1,283	1,090	14,600	15,690	Missouri
Montana	655	6,575	7,230	40	1,170	1,210	560	883	1,443	1,255	8,628	9,883	Montana
Nebraska	3	0	3	4	8	12	70	103	173	77	111	188	Nebraska
Nevada	0	32	32	0	0	0	0	0	0	0	32	32	Nevada
New Hampshire	0	48	48	0	1	1	0	0	0	0	49	49	New Hampshire
New Jersey	0	0	0	0	0	0	0	0	0	0	0	0	New Jersey
New Mexico	700	2,734	3,434	0	0	0	0	0	0	700	2,734	3,434	New Mexico
New York	0	0	0	0	0	0	0	0	0	0	0	0	New York
North Carolina	180	1,228	1,408	0	12	12	1,995	8,868	10,863	2,175	10,108	12,283	North Carolina
North Dakota	0	0	0	0	0	0	0	0	0	0	0	0	North Dakota
Ohio	0	274	274	0	6	6	76	218	294	76	498	574	Ohio
Oklahoma	940	431	1,371	0	0	0	0	532	532	940	983	1,923	Oklahoma
Oregon	15,506	127,829	143,335	3,914	103,776	107,690	41,591	191,937	233,528	61,011	423,542	484,553	Oregon
Pennsylvania	0	80	80	0	0	0	0	0	0	0	80	80	Pennsylvania
Rhode Island	0	0	0	0	0	0	0	0	0	0	0	0	Rhode Island
South Carolina	25	5,460	5,485	0	262	262	3,549	4,460	8,009	3,574	10,182	13,756	South Carolina
South Dakota	300	16,109	16,409	0	0	0	0	50	50	300	16,159	16,459	South Dakota
Tennessee	169	2,819	2,988	0	0	0	0	140	140	169	2,959	3,128	Tennessee
Texas	993	3,972	4,965	0	0	0	2,703	3,642	6,345	3,696	7,614	11,310	Texas
Utah	542	64	606	0	0	0	0	0	0	542	64	606	Utah
Vermont	0	0	0	5	6	11	0	5	5	5	11	16	Vermont
Virginia	646	716	1,362	176	231	407	6,242	16,958	23,200	7,064	17,905	24,969	Virginia
Washington	3,738	23,132	26,870	3,721	19,298	23,019	12,985	140,477	153,462	20,444	182,907	203,351	Washington
West Virginia	195	143	338	7	8	15	486	378	864	688	529	1,217	West Virginia
Wisconsin	0	746	746	199	45	244	120	253	373	319	1,044	1,363	Wisconsin
Wyoming	588	4,341	4,923	0	0	0	0	0	0	588	4,341	4,923	Wyoming
TOTAL - 50 STATES	42,839	319,222	362,055	8,958	127,328	136,286	132,238	739,548	871,786	184,035	1,186,098	1,370,127	TOTAL - 50 STATES
Puerto Rico	0	0	0	0	0	0	0	0	0	0	0	0	
GRAND TOTAL	42,839	319,222	362,055	8,958	127,328	136,286	132,238	739,548	871,786	184,035	1,186,098	1,370,127	GRAND TOTAL

Table 5
ACRES OF WINDBARRIER PLANTING ON ALL OWNERSHIP OF LAND 1964
 (EXCLUSIVE OF FOREST PLANTING)
 July 1, 1963-June 30, 1964

STATE	FEDERAL			OTHER PUBLIC (NON-FEDERAL)			PRIVATELY OWNED			TOTAL - TABLE 5			Acres in a mile	STATE
	Current year	Previous years	Total	Current year	Previous years	Total	Current year	Previous years	Total	Current year	Previous years	Total		
Alabama	0	248	248	0	0	0	0	0	0	0	248	248	0	Alabama
Alaska	0	0	0	0	0	0	0	0	0	0	0	0	0	Alaska
Arizona	228	8,151	8,379	0	0	0	972	972	228	9,123	9,351	0	0	Arizona
Arkansas	0	0	0	0	0	0	0	0	0	0	0	0	0	Arkansas
California	0	388	388	0	0	0	439	8,670	9,109	439	9,058	9,497	2.4	California
Colorado	11	193	204	90	84	174	1,922	29,579	31,501	2,023	29,856	31,879	10	Colorado
Connecticut	0	0	0	0	0	0	0	0	0	0	0	0	0	Connecticut
Delaware	0	78	78	0	0	0	0	0	0	0	78	78	0	Delaware
Florida	0	508	508	0	0	0	0	0	0	0	508	508	0	Florida
Georgia	0	28	28	0	0	0	0	0	0	0	28	28	0	Georgia
Hawaii	0	1	1	2	10	12	74	1,845	1,919	76	1,856	1,932	2	Hawaii
Idaho	0	60	60	0	0	0	217	9,994	10,211	217	10,054	10,271	4.2	Idaho
Illinois	2	10	12	0	0	0	0	2,600	2,600	2	2,610	2,612	0	Illinois
Indiana	0	91	91	0	0	0	380	16,211	16,591	380	16,302	16,682	2.4	Indiana
Iowa	30	46	76	0	0	0	0	28,096	28,096	30	28,142	28,172	0	Iowa
Kansas	40	278	318	0	0	0	1,860	217,213	219,073	1,900	217,491	219,391	10.3	Kansas
Kentucky	4	0	4	0	1	1	4	86	90	8	87	95	1.4	Kentucky
Louisiana	0	0	0	0	0	0	0	0	0	0	0	0	0	Louisiana
Maine	0	0	0	0	0	0	0	0	0	0	0	0	0	Maine
Maryland	0	0	0	22	17	39	22	198	220	44	215	259	10.6	Maryland
Massachusetts	0	10	10	0	0	0	0	0	0	0	10	10	0	Massachusetts
Michigan	50	1	51	0	0	0	300	8,098	8,398	350	8,099	8,449	1.6	Michigan
Minnesota	0	79	79	0	0	0	3,454	25,079	28,533	3,454	25,158	28,612	0	Minnesota
Mississippi	0	9	9	0	0	0	0	0	0	0	9	9	0	Mississippi
Missouri	0	188	188	0	4	4	490	2,271	2,761	490	2,463	2,953	4	Missouri
Montana	86	507	593	0	10	10	1,749	22,724	24,473	1,835	23,241	25,076	5.8	Montana
Nebraska	4	1,102	1,106	0	0	0	6,190	337,313	343,503	6,194	338,415	344,609	8	Nebraska
Nevada	0	3,813	3,813	18	53	71	106	945	1,051	124	4,811	4,935	0	Nevada
New Hampshire	0	0	0	0	0	0	0	0	0	0	0	0	0	New Hampshire
New Jersey	3	0	3	0	0	0	0	0	0	3	0	3	0	New Jersey
New Mexico	45	5,804	5,849	74	10	84	131	4,491	4,622	250	10,305	10,555	2.4	New Mexico
New York	10	38	48	0	0	0	0	0	0	10	38	48	0	New York
North Carolina	0	132	132	0	0	0	0	0	0	0	132	132	0	North Carolina
North Dakota	99	3,119	3,218	0	0	0	12,206	175,227	187,433	12,305	178,346	190,651	4.1	North Dakota
Ohio	85	10	95	22	30	52	106	2,610	2,716	213	2,650	2,863	3.7	Ohio
Oklahoma	6	227	233	0	244	244	327	60,257	60,584	333	60,728	61,061	4	Oklahoma
Oregon	0	72	72	48	0	48	60	189	249	108	261	369	2	Oregon
Pennsylvania	42	72	114	0	0	0	0	0	0	42	72	114	0	Pennsylvania
Rhode Island	0	1	1	0	0	0	0	0	0	0	1	1	0	Rhode Island
South Carolina	0	25	25	0	0	0	0	0	0	0	25	25	0	South Carolina
South Dakota	229	3,700	3,929	542	4,892	5,434	6,735	145,179	151,914	7,506	153,771	161,277	10.2	South Dakota
Tennessee	0	54	54	0	0	0	0	0	0	0	54	54	0	Tennessee
Texas	5	280	285	25	19	44	1,004	30,779	31,783	1,034	31,078	32,112	5.5	Texas
Utah	0	572	572	3	89	92	193	2,927	3,120	196	3,588	3,784	4	Utah
Vermont	0	0	0	0	0	0	0	0	0	0	0	0	0	Vermont
Virginia	0	54	54	0	0	0	0	141	141	0	195	195	0	Virginia
Washington	8	21	29	0	0	0	103	10,235	10,338	111	10,256	10,367	2.9	Washington
West Virginia	1	14	15	0	0	0	0	0	0	1	14	15	0	West Virginia
Wisconsin	0	15	15	0	0	0	0	7,600	7,600	0	7,615	7,615	0	Wisconsin
Wyoming	16	764	780	13	558	571	453	12,319	12,772	482	13,641	14,123	1	Wyoming
TOTAL - 50 STATES	1,004	30,763	31,767	859	6,021	6,880	38,525	1,163,848	1,202,373	40,388	1,200,632	1,241,020		TOTAL - 50 STATES
Puerto Rico	0	0	0	0	0	0	62	1,275	1,337	62	1,275	1,337	2.4	Puerto Rico
GRAND TOTAL	1,004	30,763	31,767	859	6,021	6,880	38,587	1,165,123	1,203,710	40,450	1,201,907	1,242,357		GRAND TOTAL

Table 7
THE QUANTITY OF FOREST AND WINDBARRIER STOCK AVAILABLE 1964
 July 1, 1963 - June 30, 1964

STATE	PART 7A QUANTITIES DISTRIBUTED BY THE STATE WITHIN THAT STATE			
	CLARK-MCNARY PROGRAM	OTHER PROGRAM	ALL DISTRIBUTION	AVERAGE PRICE CHARGED
	Thousands of trees	Thousands of trees	Thousands of trees	Dollars
Alabama	35,845	1,169	37,014	3.90
Alaska	0	0	0	0
Arizona	0	0	0	0
Arkansas	7,138	0	7,138	4.50
California	2,304	326	2,630	12.08
Colorado	485	78	563	50.35*
Connecticut	1,375	194	1,569	18.00
Delaware	812	16	828	0
Florida	61,064	5,162	66,226	4.12
Georgia	36,790	916	37,706	4.16
Hawaii	1,735	0	1,735	0
Idaho	541	0	541	21.00
Illinois	4,517	46	4,563	13.43
Indiana	4,656	105	4,761	14.45
Iowa	1,359	175	1,534	21.92
Kansas	1,446	0	1,446	50.00
Kentucky	13,349	385	13,734	8.00
Louisiana	31,156	0	31,156	4.75
Maine	2,960	619	3,579	13.00
Maryland	5,093	42	5,135	0
Massachusetts	333	155	488	23.00
Michigan	11,625	0	11,625	11.54
Minnesota	27,508	0	27,508	10.00
Mississippi	52,800	572	53,372	4.50
Missouri	6,298	4,000	10,298	6.28
Montana	1,054	0	1,054	33.46
Nebraska	2,310	0	2,310	53.15
Nevada	90	0	90	81.33
New Hampshire	1,256	57	1,313	10.61
New Jersey	628	25	653	14.60
New Mexico	114	40	154	45.00
New York	16,055	0	16,055	10.00
North Carolina	32,475	1,804	34,279	5.77
North Dakota	889	135	1,024	27.50
Ohio	11,782	1,105	12,887	10.00
Oklahoma	1,131	882	2,013	6.65
Oregon	10,665	9,659	20,324	12.10
Pennsylvania	14,718	1,167	15,885	7.00
Rhode Island	229	0	229	20.00
South Carolina	42,389	9,057	51,446	4.09
South Dakota	1,100	0	1,100	43.70
Tennessee	17,570	880	18,450	4.17
Texas	4,068	400	4,468	5.92
Utah	153	23	176	40.78
Vermont	1,963	0	1,963	15.30
Virginia	30,308	0	30,308	4.38
Washington	7,202	3,601	10,803	17.30
West Virginia	5,048	255	5,303	10.92
Wisconsin	25,136	342	25,478	18.53
Wyoming	165	5	170	40.00
TOTAL - 50 STATES	534,639	43,142	577,781	
Puerto Rico	790	32	822	0
GRAND TOTAL	535,429	43,174	578,603	

STATE	PART 7B QUANTITIES SHIPPED BY THE VARIOUS CLASSES OF NURSERIES					TOTAL	STATE
	FEDERAL NURSERIES	STATE NURSERIES	OTHER PUBLIC NURSERIES	INDUSTRY NURSERIES	COMMERCIAL NURSERIES		
	Thousands of trees	Thousands of trees	Thousands of trees	Thousands of trees	Thousands of trees		
Alabama	0	37,799	0	12,302	0	50,101	Alabama
Alaska	0	0	0	0	0	0	Alaska
Arizona	0	0	0	0	0	0	Arizona
Arkansas	0	5,199	0	0	0	5,199	Arkansas
California	16,600	2,630	236	0	678	20,144	California
Colorado	1,202	477	0	0	0	1,679	Colorado
Connecticut	0	1,900	0	0	48	1,948	Connecticut
Delaware	0	748	0	0	0	748	Delaware
Florida	0	66,307	0	22,419	0	88,726	Florida
Georgia	0	39,097	0	50,351	0	89,448	Georgia
Hawaii	0	1,735	0	0	0	1,735	Hawaii
Idaho	11,252	521	0	0	0	11,773	Idaho
Illinois	0	4,736	0	0	0	4,736	Illinois
Indiana	8,931	3,590	0	0	0	12,521	Indiana
Iowa	0	1,326	0	0	175	1,501	Iowa
Kansas	0	0	0	0	806	806	Kansas
Kentucky	0	12,972	0	0	1,319	14,291	Kentucky
Louisiana	0	32,193	0	6,190	0	38,383	Louisiana
Maine	0	3,292	0	0	2,500	5,792	Maine
Maryland	0	5,429	0	0	0	5,429	Maryland
Massachusetts	0	388	0	0	70	458	Massachusetts
Michigan	15,088	11,625	11,211	750	9,678	48,352	Michigan
Minnesota	3,110	27,509	10,000	2,016	0	32,635	Minnesota
Mississippi	24,301	53,372	0	0	0	77,673	Mississippi
Missouri	0	10,242	0	0	0	10,242	Missouri
Montana	1,102	1,078	0	68	1,835	4,083	Montana
Nebraska	7,364	0	0	0	636	8,000	Nebraska
Nevada	0	60	0	0	0	60	Nevada
New Hampshire	0	1,351	0	0	0	1,351	New Hampshire
New Jersey	0	653	0	0	0	653	New Jersey
New Mexico	0	0	0	0	0	0	New Mexico
New York	0	15,955	0	0	6,558	22,513	New York
North Carolina	0	39,978	0	12,000	0	51,978	North Carolina
North Dakota	0	1,286	7,336	0	0	8,622	North Dakota
Ohio	0	13,393	10,000	0	0	13,393	Ohio
Oklahoma	0	1,422	0	0	0	1,422	Oklahoma
Oregon	6,151	20,297	0	3,511	375	30,334	Oregon
Pennsylvania	0	15,937	0	0	35,000	50,937	Pennsylvania
Rhode Island	0	0	0	0	0	0	Rhode Island
South Carolina	0	50,815	0	4,542	0	55,357	South Carolina
South Dakota	0	418	0	0	3,050	3,468	South Dakota
Tennessee	7,626	18,379	0	18,500	0	44,505	Tennessee
Texas	0	5,508	0	10,000	750	16,258	Texas
Utah	0	176	0	0	0	176	Utah
Vermont	0	1,963	0	0	0	1,963	Vermont
Virginia	0	24,575	0	13,324	0	37,899	Virginia
Washington	11,885	15,871	0	3,000	1,000	31,756	Washington
West Virginia	0	5,680	0	0	50	5,730	West Virginia
Wisconsin	0	25,488	403	5,121	1,500	32,512	Wisconsin
Wyoming	0	0	0	0	0	0	Wyoming
TOTAL - 50 STATES	114,612	583,370	19,386	164,094	66,028	947,490	TOTAL - 50 STATES
Puerto Rico	0	822	0	0	0	822	Puerto Rico
GRAND TOTAL	114,612	584,192	19,386	164,094	66,028	948,312	GRAND TOTAL

* Does not include potted stock.