

## ANNUAL REFORESTATION AND TIMBER STAND IMPROVEMENT REPORT

FISCAL YEAR 2020

TABLE 7

## National Forest Land Planted with Known Seed Source

Region	Species	Selective Breeding	Seed Orchard	Select Tree	Seed Production Area	Seed Stand	Seed Zone	Other	Vegetative Material	Total
1	LAOC	1,003	27	9	71	872	1,155	0	0	3,135
	PIAL	0	0	0	92	75	194	0	0	361
	PICO	0	0	0	0	8	0	0	0	8
	PIEN	0	0	0	0	32	125	0	0	157
	PIFL2	0	0	0	0	0	6	0	0	6
	PIMO3	2,295	0	0	11	31	20	0	0	2,358
	PIPO	526	0	23	626	1,387	1,928	0	0	4,490
	POBAT	0	0	0	0	0	11	0	0	11
	POTR5	0	0	0	0	0	8	0	0	8
	PSME	0	0	0	0	28	93	0	0	121
	THPL	0	0	0	0	49	0	0	0	49
Subtotal, R-1		3,824	27	32	800	2,481	3,540	0	0	10,703
2	PIAL	0	0	0	58	0	0	0	0	58
	PICO	0	0	0	0	3	310	6	0	319
	PIEN	0	0	539	0	0	960	6	0	1,505
	PIFL2	0	0	0	0	0	127	0	0	127
	PIPO	0	0	0	0	0	1,182	0	0	1,182
	PSME	0	0	0	0	0	90	0	0	90
Subtotal, R-2		0	0	539	58	3	2,668	12	0	3,280
3	PIEN	0	0	0	0	0	0	47	0	47
	PIPO	0	0	599	0	0	280	264	0	1,143
	PIST3	0	0	0	0	0	0	40	0	40
	POTR5	0	0	0	0	0	0	0	2	2
		0	0	0	0	0	0	64	0	64
Subtotal, R-3		0	0	599	0	0	280	415	2	1,296
4	LAOC	0	0	24	0	0	0	0	0	24
	PIEN	0	0	416	0	18	0	0	0	434
	PIPO	0	0	164	0	0	811	3,143	0	4,118
	PSME	0	0	94	0	0	101	186	0	381
Subtotal, R-4		0	0	698	0	18	912	3,329	0	4,957
5	ABCO	0	10	88	0	0	0	0	0	98
	ABIES	0	0	5	0	0	0	0	0	5
	CADE27	0	23	311	0	6	22	0	0	362
	PICO3	0	0	0	0	0	121	0	0	121
	PIJE	0	71	0	0	40	708	0	0	820
	PILA	0	54	291	108	12	89	0	0	554
	PIPO	0	448	1,591	0	218	632	0	0	2,888
	PSMA	0	0	0	0	0	306	0	0	306
	PSME	0	72	1,002	0	76	99	0	0	1,249
	SEGI2	0	0	22	0	0	0	0	0	22

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Region	Species	Selective Breeding	Seed Orchard	Select Tree	Seed Production Area	Seed Stand	Seed Zone	Other	Vegetative Material	Total
	Subtotal, R-5	0	678	3,310	108	353	1,976	0	0	6,423
6	ABPR	0	0	2	0	0	0	0	0	2
	CADE27	0	0	21	0	0	29	16	0	65
	LAOC	0	10	75	0	0	209	0	0	293
	PILA	0	23	432	0	0	44	6	0	506
	PIMO	0	0	9	0	0	0	0	0	9
	PIMO3	10	6	76	0	0	22	2	0	116
	PIPO	0	443	697	0	0	39	0	0	1,179
	PISI	0	6	0	0	0	14	0	0	20
	PSME	0	250	199	0	0	336	57	0	841
	THPL	0	319	32	0	2	165	0	0	518
	TSHE	0	2	14	0	0	31	0	0	48
	Subtotal, R-6	10	1,059	1,558	0	2	888	80	0	3,597
8	PIEC2	0	3,721	0	65	39	0	0	0	3,825
	PIPA2	0	2,605	0	643	17	0	78	0	3,343
	PIPU5	0	0	0	0	0	15	0	0	15
	PIRI	0	160	0	0	0	0	0	0	160
	PITA	0	43	0	0	0	0	45	0	88
	QUAL	0	2	0	0	0	68	0	0	70
	QURU	0	0	0	0	0	101	0	0	101
	TSCA	0	1	0	0	0	0	0	0	1
	TSCA2	0	1	0	0	0	0	0	0	1
	Subtotal, R-8	0	6,532	0	708	56	184	123	0	7,603
9	JUNI	3	0	0	0	0	27	0	0	30
	PIEC2	0	889	0	0	0	0	0	0	889
	PIGL	0	0	0	0	0	0	285	0	285
	PIRU	0	0	0	0	0	7	183	0	190
	PIST	0	88	0	0	0	11	0	0	98
	QUAL	0	0	0	0	0	57	0	0	57
	QURU	0	0	0	0	0	25	10	0	35
	SANI	0	0	0	0	0	2	0	0	2
	THOC2	0	0	0	0	0	25	0	0	25
	Subtotal, R-9	3	977	0	0	0	153	478	0	1,611
10	CHNO	0	0	0	0	0	57	0	0	57
	THPL	0	0	0	0	0	95	0	0	95
	Subtotal, R-10	0	0	0	0	0	152	0	0	152
	ALL	3,838	9,271	6,735	1,673	2,913	10,753	4,437	2	39,621
	Percent of Total	9.7	23.4	17.0	4.2	7.4	27.1	11.2	0.0	100.0

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TABLE 8

**SILVICULTURAL EXAMINATIONS AND PRESCRIPTIONS**

ACRES

Region	Silvicultural Exam	Diagnosis	Prescription
	Act. 4310-4319	Act. 4320-4329	Act. 4330-4339
1	23,254	12,046	23,941
2	16,453	1,701	0
3	6,664	92	3,068
4	1,220	86	86
5	2	419	355
6	15,589	6,254	2,107
8	17,210	0	0
9	7,836	0	0
10	2,738	0	30
ALL	90,966	20,598	29,587

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TABLE 9

**PLANTING**

Activity Codes 4430-4449

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	333	4,230	5,111	276	0	0	804	10,754
2	0	2,550	435	0	0	0	295	3,280
3	0	1,629	0	0	0	0	103	1,732
4	0	4,419	297	241	0	0	24	4,981
5	91	4,193	431	0	0	0	1,940	6,655
6	7	6,678	1,861	9	0	0	1,001	9,556
8	1,560	2,290	2,826	159	0	0	1,059	7,894
9	13	233	1,424	0	0	0	639	2,309
10	0	0	152	0	0	0	0	152
ALL	2,004	26,222	12,537	685	0	0	5,865	47,313

TABLE 10

**SEEDING**

Activity Codes 4410-4429

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	0	0	0	0	0	0	0
2	0	121	0	0	0	0	0	121
3	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	68	68
6	0	0	0	0	0	0	0	0
8	0	436	1,379	0	0	0	0	1,815
9	0	10	0	0	0	0	143	153
10	0	0	0	0	0	0	0	0
ALL	0	567	1,379	0	0	0	211	2,157

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TABLE 11

**SITE PREPARATION FOR NATURAL REGENERATION**

Activity Codes 4490-4499

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	0	44	0	0	0	286	330
2	35	0	344	0	0	0	8	408
3	0	0	0	0	0	0	14,650	14,650
4	0	4,700	89	0	0	0	84	4,873
5	0	0	0	0	0	0	32	32
6	2	214	2	0	0	0	0	218
8	204	578	3,828	7	0	0	103	4,720
9	1,220	1,841	12,341	0	0	0	5,624	21,026
10	0	0	0	0	0	0	0	0
ALL	1,461	7,354	16,648	7	0	0	20,787	46,257

TABLE 11A

**NATURAL REGENERATION WITHOUT SITE PREPARATION**

Activity Codes 4382

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	3,015	22,287	194	31	0	127	20	25,674
2	3,017	4,775	4,445	0	0	0	506	12,833
3	0	8,126	0	0	0	0	0	8,126
4	0	2,394	40	0	0	0	8	2,442
5	0	0	0	0	0	0	0	0
6	50	8,451	267	0	0	0	654	9,422
8	0	33	37	0	0	0	0	70
9	597	1,964	7,739	0	0	0	146	10,446
10	69	179	1,609	0	0	0	0	1,857
ALL	6,838	48,209	14,331	31	0	127	1,334	70,870

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TABLE 12

**SITE PREPARATION FOR PLANTING OR SEEDING**

Activity Codes 4470-4489

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	4	0	460	0	0	0	737	1,201
2	0	1,254	520	0	0	0	0	1,774
3	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0
5	1,122	1,364	0	0	0	0	5,793	8,279
6	0	0	168	0	0	0	225	393
8	835	1,983	7,414	229	0	0	1,503	11,964
9	0	470	1,571	0	0	0	929	2,970
10	0	0	0	0	0	0	0	0
ALL	1,961	5,071	10,133	229	0	0	9,187	26,581

TABLE 13

**RELEASE AND WEEDING**

Activity Codes 4510-4519

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	0	0	0	0	0	907	907
2	118	637	41	0	0	0	577	1,373
3	159	21	0	0	0	0	12,264	12,444
4	0	4,031	1,203	0	0	0	922	6,156
5	0	3,346	263	0	0	0	4,742	8,351
6	99	160	1,650	1	0	0	496	2,406
8	5,402	2,290	5,707	695	0	0	3,075	17,169
9	2,196	2,220	2,361	4	0	0	4,725	11,506
10	0	0	0	0	0	0	0	0
ALL	7,974	12,705	11,225	700	0	0	27,708	60,312

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TABLE 14

**PRECOMMERCIAL THINNING**

Activity Codes 4520-4529

ACRES

Region	NFWW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	473	53	0	0	0	245	2,912	3,683
2	428	2,046	2,323	0	0	0	5,893	10,690
3	401	0	2	1,052	0	47	9,419	10,921
4	255	33	20	0	0	0	5,831	6,139
5	875	550	2,057	0	0	0	24,915	28,397
6	1,624	5,776	4,028	0	62	0	37,947	49,437
8	3,186	1,205	957	0	0	0	2,568	7,916
9	1,165	409	3,014	0	0	0	52	4,640
10	390	1,772	2	0	0	0	113	2,277
ALL	8,797	11,844	12,403	1,052	62	292	89,650	124,100

TABLE 15

**PRUNING**

Activity Codes 4530-4539

ACRES

Region	NFWW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	270	0	35	0	0	50	805	1,160
2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	20	20
4	0	0	0	0	0	0	1,032	1,032
5	0	0	0	0	0	0	3,660	3,660
6	0	169	55	0	0	0	279	503
8	0	0	0	0	0	0	0	0
9	156	8	0	230	0	0	445	839
10	0	0	0	0	0	0	0	0
ALL	426	177	90	230	0	50	6,241	7,214

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TABLE 16

**FERTILIZATION OF ESTABLISHED STANDS**

Activity Codes 4550-4559

ACRES

Region	NFWW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	57	0	0	0	0	0	0	75
2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0
ALL	57	0	0	0	0	0	0	75

TABLE 17

**PRESCRIBED BURNING TO CONTROL UNDERSTORY**

Activity Codes 4541

ACRES

Region	NFWW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0
8	0	22	164	0	0	0	80	266
9	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0
ALL	0	22	164	0	0	0	80	266



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TABLE 18

**ANIMAL CONTROL FOR REFORESTATION**

Activity Codes 4460-4469

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	589	992	439	0	0	0	45	2,065
2	0	0	0	0	0	0	0	0
3	0	33	0	0	0	0	0	33
4	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0
6	57	2,112	233	0	0	0	883	3,285
8	22	0	0	0	0	0	0	22
9	159	2,379	875	0	0	0	1,912	5,325
10	0	0	42	0	0	0	0	42
ALL	827	5,516	1,589	0	0	0	2,840	10,772

TABLE 19

**ANIMAL CONTROL FOR TIMBER STAND IMPROVEMENT**

Activity Codes 4560-4569

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0
6	0	84	0	0	0	0	0	84
8	0	0	0	0	0	0	0	0
9	0	0	130	0	0	0	801	931
10	0	0	109	0	0	0	0	109
ALL	0	84	239	0	0	0	801	1,124

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TABLE 20

REGENERATION AND INTERMEDIATE HARVEST ACRES

	Clearcut	Prep cut	Seed cut	Removal cut	Selection cut	Improvement cut	Thinning	Sanitation cut	Special cut	Total
	4110-4119	4120-4129,	4130-4139	4140-4149 4160,4186	4150-4159	4210-4219	4220-4229	4230-4239	4240-4249	4110-4249
FACTS Code	4162-4177	4192	4183,4194	4195,4196			4200,			
Region										
1	6,399	0	4,312	1,557	39	1,567	3,284	419	335	17,912
2	5,061	93	3,506	3,114	2,217	3,841	6,104	4,592	434	28,962
3	14	0	0	0	783	664	14,457	240	0	16,158
4	778	127	0	192	1,453	878	761	1,251	0	5,440
5	2,208	0	0	0	576	416	7,628	6,609	0	17,437
6	296	0	573	360	912	252	34,640	2,575	0	39,608
8	4,081	178	2,703	1,082	397	17	26,149	373	176	35,156
9	10,041	307	4,452	1,966	6,707	675	15,166	5,398	638	45,350
10	369	0	0	0	8	0	0	185	0	562
ALL	29,247	705	15,546	8,271	13,092	8,310	108,189	21,642	1,583	206,585

## ANNUAL REFORESTATION AND TIMBER STAND IMPROVEMENT REPORT

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TABLE 21

## CERTIFICATION OF REFORESTATION AND TIMBER STAND IMPROVEMENT ACREAGES

Region	Reforestation			Timber Stand Improvement							
	Planted	Seeded	Natural Regen W/Site Preparation	Natural Regen W/O Site Preparation	Total Reforestation	Cleaning	Release	Pre. Comm. Thinning	Fertilization	Pruning	Total TSI
1	3,816	0	383	25,674	29,874	0	930	3,605	75	1,227	5,837
2	1,070	0	682	12,834	14,586	0	1,674	9,691	0	0	11,365
3	0	0	0	8,126	8,126	0	8,339	10,339	0	20	18,698
4	61	0	154	2,442	2,657	0	5,390	3,754	0	425	9,569
5	1	0	9	0	11	0	4,835	12,142	0	1,488	18,465
6	2,862	0	4,433	9,422	16,717	0	2,591	40,673	0	683	43,947
8	1,114	0	2,448	70	3,633	13,210	7,608	0	0	0	20,818
9	6,185	841	14,247	10,446	31,719	0	8,486	2,933	0	192	11,611
10	0	0	0	1,857	1,857	0	0	768	0	0	768
ALL	15,109	841	22,356	70,871	109,180	13,210	39,853	83,905	75	4,035	141,078

## ANNUAL REFORESTATION AND TIMBER STAND IMPROVEMENT REPORT

APPENDIX A  
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Hardwoods			Conifers		
Forest Survey Code	USDA-NRCS PLANTS Symbol	Common Name	Forest Survey Code	USDA-NRCS PLANTS Symbol	Common Name
0312	ACMA3	bigleaf maple	0010	ABIES	fir
0317	ACSA2	silver maple	0012	ABBA	balsam fir
0318	ACSA3	sugar maple	0015	ABCO	white fir
0352	ALRH2	white alder	0017	ABGR	grand fir
0361	ARME	Pacific madrone	0018	ABLAA	corkbark fir
0371	BEAL2	yellow birch	0019	ABLA	subalpine fir
0375	BEPA	paper birch	0020	ABMA	California red fir
0400	CARYA	hickory	0022	ABPR	noble fir
0404	CAIL2	pecan	0041	CHLA	Port Orford cedar
0407	CAOV2	shagbark hickory	0042	CHNO	Alaska cedar
0421	CADE12	American chestnut	0070	LARIX	larch
0462	CEOC	common hackberry	0071	LALA	tamarack
0544	FRPE	green ash	0073	LAOC	western larch
0571	GYDI	Kentucky coffee tree	0081	CADE27	incense cedar
0601	JUCI	butternut	0090	PICEA	spruce spp.
0602	JUNI	black walnut	0093	PIEN	Engelmann spruce
0621	LITU	tuliptree	0094	PIGL	white spruce
0651	MAAC	cucumber-tree	0095	PIMA	black spruce
0731	PLOC	American sycamore	0096	PIPU	blue spruce
0743	POGR4	bigtooth aspen	0097	PIRU	red spruce
0746	POTR5	quaking aspen	0098	PISI	Sitka spruce
0747	POBAT	black cottonwood	0100	PINUS	pine spp.
0749	POAN3	narrowleaf cottonwood	0101	PIAL	whitebark pine
0762	PRSE2	black cherry	0103	PIAT	knobcone pine
0768	PREM	bitter cherry	0104	PIBA	foxtail pine
0800	QUERC	oak species	0105	PIBA2	jack pine
0801	QUAG	California live oak	0107	PICL	Sand pine
0802	QUAL	white oak	0108	PICO	lodgepole pine
0804	QUBI	swamp white oak	0109	PICO3	Coulter pine
0805	QUCH2	canyon live oak	0110	PIEC2	shortleaf pine
0809	QUEL	northern pin oak	0112	PIEN2	Apache pine
0812	QUFA	southern red oak	0113	PIFL2	limber pine
0822	QULY	overcup oak	0114	PIST3	southwestern white pine
0823	QUMA2	bur oak	0116	PIJE	Jeffrey pine
0827	QUNI	water oak	0117	PILA	sugar pine
0828	QUTE	nuttall oak	0119	PIMO3	western white pine
0830	QUPA2	pin oak	N/A	PINI	austrian pine
0831	QUPH	willow oak	0121	PIPA2	longleaf pine
0832	QUPR2	chestnut oak	0122	PIPO	ponderosa pine
0833	QURU	northern red oak	0123	PIPU5	Table mountain pine
0834	QUSH	Shumard's oak	N/A	PIQU	parry pinyon
0837	QUVE	black oak	0125	PIRE	red pine
022	SANI	black willow	0126	PIRI	pitch pine
0935	SOAM3	American mountain ash	0129	PIST	eastern white pine
0951	TIAM	American basswood	0131	PITA	loblolly pine
			0133	PIMO	singleleaf pinyon
			0137	PIWA	Washoe pine
			0201	PSMA	bigcone Douglas-fir
			0202	PSME	Douglas-fir
			0212	SEGI2	giant sequoia
			0221	TADI2	bald cypress
			0241	THOC2	northern white cedar
			0242	THPL	western red cedar
			0261	TSCA	eastern hemlock
			0262	TSCA2	Carolina hemlock
			0263	TSHE	western hemlock
			0264	TSME	mountain hemlock