

ANNUAL REFORESTATION AND TIMBER STAND IMPROVEMENT REPORT  
FY 2002

**TABLE 1 - FOREST SERVICE NURSERY PRODUCTION -- BAREROOT**  
(Thousand trees)

Region	FS Nursery	Sold		To		Total Production
		Nursery Region	Other Regions	Other Agencies 1/	Surplus 2/	
1	Coeur d' Alene	3,871	564	18	498	4,951
2	Bessey	1	0	1,507	435	1,943
3	NONE	0	0	0	0	0
4	Lucky Peak	1,079	22	637	280	2,017
5	Placerville	2,432	0	328	70	2,830
6	J.H. Stone	3,936	1,111	1,620	1,204	7,872
8	NONE	0	0	0	0	0
9	Toumey	4,340	370	0	180	4,890
10	NONE	0	0	0	0	0
ALL		15,659	2,067	4,110	2,667	24,503

1/ Other Agencies column includes GSA sales and trees donated to other agencies.

2/ Includes amounts donated, sold, and destroyed.

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**TABLE 1A - FOREST SERVICE NURSERY PRODUCTION (THOUSAND TREES)--INVENTORY**

Region	FS Nursery	Nursery Region			Other Region			Other Agency			Total		
		FY 04	FY 05	FY 06	FY 04	FY 05	FY 06	FY 04	FY 05	FY 06	FY 04	FY 05	FY 06
1	Coeur d' Alene	4,916	506	0	493	342	0	0	0	0	5,409	848	0
2	Bessey	153	63	0	0	0	0	2,411	1,616	0	2,564	1,679	0
3	NONE	0	0	0	0	0	0	0	0	0	0	0	0
4	Lucky Peak	827	899	0	16	14	0	1,005	0	0	1,848	913	0
		0	0	0	0	0	0	0	0	0	0	0	0
5	Placerville	2,254	3,149	0	1	19	0	100	287	0	2,355	3,455	0
6	J. Herbert Stone	3,540	1,643	0	818	80	0	1,696	839	0	6,054	2,562	0
	Other 1/	0	0	0	0	0	0	714	20	0	714	20	0
	Subtotal	3,540	1,643	0	818	80	0	2,410	859	0	6,768	2,582	0
8	Ashe	0	0	0	0	0	0	0	0	0	0	0	0
	Other 1/	6,575	22	0	0	0	0	0	0	0	6,575	22	0
	Subtotal	6,575	22	0	0	0	0	0	0	0	6,575	22	0
9	Toumey	5,426	4,347	2,122	0	0	0	0	0	0	5,426	4,347	2,122
10	NONE	0	0	0	0	0	0	0	0	0	0	0	0
ALL		27,231	12,272	2,122	2,146	535	0	7,622	3,601	0	37,000	16,408	2,122

1/ State and private nurseries

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**TABLE 1B - FOREST SERVICE NURSERY PRODUCTION (THOUSAND TREES)--SOWING**

Region	FS Nursery	Nursery Region			Other Region			Other Agency			Total		
		FY 04	FY 05	FY 06	FY 04	FY 05	FY 06	FY 04	FY 05	FY 06	FY 04	FY 05	FY 06
1	Coeur d' Alene	1	4,500	500	0	110	50	0	0	0	1	4,610	550
2	Bessey	0	0	0	0	0	0	455	1,925	1,925	455	1,925	1,925
3	NONE	0	0	0	0	0	0	0	0	0	0	0	0
4	Lucky Peak	0	900	900	0	0	0	650	650	650	650	1,550	1,550
5	Placerville	680	331	0	0	3	0	0	0	0	680	334	0
6	J. Herbert Stone	2,813	5,792	17	185	54	0	1,564	370	0	4,562	6,215	17
8	Ashe	0	0	0	0	0	0	0	0	0	0	0	0
	Other 1/	5,345	25	0	0	0	0	0	0	0	5,345	25	0
	Subtotal	5,345	25	0	0	0	0	0	0	0	5,345	25	0
9	Toumey	0	2,100	1,100	0	0	0	0	0	0	0	2,100	1,100
10	NONE	0	0	0	0	0	0	0	0	0	0	0	0
ALL		8,839	13,648	2,517	185	167	50	2,669	2,945	2,575	11,693	16,759	5,142

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**TABLE 2 - CONTAINERIZED NURSERY STOCK PRODUCTION**  
(Thousand plantable trees)

Region	Facility	Number Ordered	Plantable Seedlings Produced	Disposition			Anticipated Sowing Next Fiscal Year	
				National Forests	Sold	Surplus or Destroyed		Held Over
1	Coeur d'Alene	3,276	4,024	3,440	436	0	148	4,400
2	Bessey	349	262	259	92	0	167	235
3	NONE	0	0	0	0	0	0	0
4	Lucky Peak	521	521	0	521	0	0	120
5	Placerville	626	206	198	8	0	0	800
	Chico	1,183	845	820	6	15	4	400
	Subtotal	1,809	1,051	1,018	14	15	4	1,200
6	NONE	0	0	0	0	0	0	0
8	NONE	0	0	0	0	0	0	0
9	Toumey	473	417	387	0	0	30	432
10	NONE	0	0	0	0	0	0	0
ALL		6,428	6,275	5,104	1,063	15	349	6,387

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**TABLE 3 - FOREST SERVICE SEED EXTRACTORY PRODUCTION**  
(Pounds of clean seed)

Region	Extractory	Number of Species	Source of Seed							Grand Total
			Level 5	Level 4	Level 3		Level 2	Level 1	Other	
			Selective Breeding	Seed Orchard	Select Trees	SPA	Seed Stand	Seed Zone		
1	Coeur d' Alene	5	0	144	0	0	86	0	0	230
2	Bessey	2	0	0	0	0	0	397	26	423
3	NONE	0	0	0	0	0	0	0	0	0
4	Lucky Peak	0	0	0	0	0	0	0	0	0
5	Placerville	11	0	2	431	0	359	657	0	1,449
6	Bend Pine	95	0	38	6	3,121	231	528	0	3,924
	Dorena	8	0	0	1	0	0	13	0	14
	Subtotal, R-6	103	0	38	7	3,121	231	541	0	3,938
8	Ozark	1	0	0	0	0	850	0	0	850
	NF's in NC	3	0	0	157	0	0	0	0	157
	Subtotal, R-8	4	0	0	157	0	850	0	0	1,007
9	Oconto River SO	0	0	0	0	0	0	0	0	0
	J.W. Toumey	12	0	0	0	0	0	386	0	386
	Subtotal, R-8	12	0	0	0	0	0	386	0	386
10	Heintzleman	0	0	0	0	0	0	0	0	0
ALL		137	0	184	595	3,121	1,526	1,981	26	7,433
	Percent of Total		0.0	2.5	8.0	42.0	20.5	26.6	0.3	100.0

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**TABLE 4 - OTHER PLANTING STOCK AND SEED ACQUISITION**

Region	Planting Stock (Thousand Trees)					Clean Seed (Pounds)				
	Service Contract	Other Regions	Other Agencies	Commercial Sources	Total	Service Contract	Other Regions	Other Agencies	Commercial Sources	Total
1	0	669	0	0	669	0	0	0	0	0
2	0	0	0	0	0	0	0	1,005	2,620	3,625
3	145	0	0	0	145	0	0	0	0	0
4	100	569	0	0	669	0	0	0	0	0
5	891	345	5	0	1,241	0	0	5	0	5
6	999	0	0	41	1,041	6,563	0	0	180	6,743
8	4,974	0	0	400	5,374	0	0	0	0	0
9	828	0	272	62	1,162	0	0	2	245	247
10	0	0	0	0	0	0	0	0	0	0
ALL	7,937	1,583	277	503	10,301	6,563	0	1,012	3,045	10,620

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**TABLE 5 - SEED PRODUCTION AREA STATUS**

Region	Number Of Areas	Acres Current Year	Areas Removed To Date	Total Established To Date
1	99	183	350	2,709
2	0	0	0	0
3	3	0	0	40
4	12	0	0	96
5	4	0	0	80
6	49	0	0	364
8	0	0	0	0
9	30	0	0	30
10	0	0	0	0
ALL	197	183	350	3,319

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**TABLE 6 - SEED ORCHARD (SO) AND/OR CLONE-BANK (CB) STATUS**

Region	Number of Plantations	Type	Generation	Acreage Goal	Clones or Families		Acres Established			
					This Year	To Date	This Year	To Date		
1	42	Clone Bank	F1	149	631	(269)	4,008	6.7	(2.1)	43.1
	1	Hedge Orchard (Ho)	F1	0	0	0	30	0.0	0.0	0.2
	33	Seed Orchard	P, F1, F2	184	1	0	934	2.2	(2.0)	131.3
Subtotal	76			333	632	(93)	4,972	8.9	(0.8)	174.6
2	0	N/A	N/A	0	0	0	0	0	0	0
3	0	N/A	N/A	0	0	0	0	0	0	0
4	1	Clone Bank	F1	38	150	0	65	6	0	38
	2	Seed Orchard	F1	11	414	0	509	6	0	8
Subtotal	3			49	564	0	574	12	0	46
5	28	Clone Bank	P, F1	60	81	0	4,279	3	0	46
	18	Seed Orchard	P, F1	280	149	0	2,370	17	0	157
Subtotal	46			340	0	0	0	0	0	203
6	48	Clone Bank	P, F1	212	35	0	2,706	0	0	39
	267	Seed Orchard	P, F1	2,294	387	-4	30,232	1	0	1,829
Subtotal	315			2,506	0	0	0	0	0	1,868
8	45	Clone Bank	P, F1	447	0	0	1,628	0	0	271
	51	Seed Orchard	P, F1	1,575	0	-252	2,804	0	-63	1,139
Subtotal	96			2,022	0	0	0	0	0	1,410
9	7	Clone Bank	P	64	48	0	1,728	0	0	64
	30	Seed Orchard		311	0	0	1,121	0	0	0
Subtotal	37			375	0	0	2,849	0	0	64

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**TABLE 6 - SEED ORCHARD (SO) AND/OR CLONE-BANK (CB) STATUS**

Region	Number of Plantations	Type	Generation	Acreage Goal	Clones or Families		Acres Established			
					This Year	To Date	This Year	To Date		
10	0	N/A	N/A	0	0	0	0	0.0	0.0	0.0
All Regions	172 400	Clone Bank/HO Seed Orchard		970 4,682	945 687	-269 -256	15,565 37,526	15.7 26.4	-2.1 -65	501.5 3,294.5
Grand	572			5,652	1,632	(525)	53,091	42.1	-67.1	3,796.0

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**TABLE 7 - NATIONAL FOREST LAND PLANTED WITH SEEDLINGS FROM KNOWN SEED SOURCES**

Region	Species	Selective Breeding	Seed Orchard	Select Trees	SPA	Seed Stand	Seed Zone	Other	Vegetative Material	Total
1	THPL	0	0	0	0	6	0	0	0	6
	LAOC	0	0	0	26	2,473	2,013	0	0	4,512
	PICO	0	0	0	0	809	1,253	0	0	2,062
	PIEN	0	0	0	0	490	370	0	0	860
	PIMO3	0	2,593	0	0	0	0	0	0	2,593
	PIPO	0	0	0	36	2,526	3,043	0	0	5,605
	PSME	0	0	0	0	751	1,054	0	0	1,805
	Subtotal, R-1	0	2,593	0	62	7,055	7,733	0	0	17,443
2	PIAL	0	0	0	0	0	146	0	0	146
	PICO	0	0	0	0	0	259	0	0	259
	PIEN	0	0	0	0	0	96	0	0	96
	PIPO	0	0	0	189	0	83	0	0	272
	PSME	0	0	0	0	0	23	0	0	23
	Subtotal, R-2	0	0	0	189	0	607	0	0	796
3	PIPO	0	0	0	0	0	978	0	0	978
	Subtotal, R-3	0	0	0	0	0	978	0	0	978

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**TABLE 7 - NATIONAL FOREST LAND PLANTED WITH SEEDLINGS FROM KNOWN SEED SOURCES**

Region	Species	Selective Breeding	Seed Orchard	Select Trees	SPA	Seed Stand	Seed Zone	Other	Vegetative Material	Total
4	LAOC	0	0	0	0	0	205	0	0	205
	PIAL	0	0	0	0	0	36	0	0	36
	PICO	0	0	0	0	0	502	0	0	502
	PIEN	0	0	0	0	0	939	0	0	939
	PIPO	0	35	0	0	0	3,160	0	0	3,195
	PSME	0	18	0	0	0	1,751	0	0	1,769
	Subtotal, R-4	0	53	0	0	0	6,593	0	0	6,646
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Region										
5	ABMA2	0	0	0	0	479	31	0	0	510
	ABMA	0	0	0	0	0	12	0	0	12
	PICO1	0	0	0	0	0	8	0	0	8
	PICO2	0	0	0	0	15	35	0	0	50
	PIJE	0	0	0	0	1,519	1,362	40	0	2,921
	PILA	0	18	103	0	47	2	1	0	171
	PIPO	0	65	0	0	3,907	2,900	1,124	0	7,996
	PSME	0	0	0	0	285	481	54	0	820
	PSMA2S	0	0	3	0	0	0	0	0	3
	QUCH2	0	0	0	0	0	10	10	0	20
	SEG12	0	0	0	0	2	0	0	0	2
	UNKS	0	0	0	0	5	0	0	0	5
	Subtotal, R-5	0	83	106	0	6,259	4,841	1,229	0	12,518

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**TABLE 7 - NATIONAL FOREST LAND PLANTED WITH SEEDLINGS FROM KNOWN SEED SOURCES**

Region	Species	Selective Breeding	Seed Orchard	Select Trees	SPA	Seed Stand	Seed Zone	Other	Vegetative Material	Total
6	PICO	0	0	189	11	0	399	0	0	599
	PILA	8	15	11	55	71	69	0	0	229
	PIMO3	6	129	564	36	126	252	0	0	1,113
	PIPO	30	0	3,805	24	557	3,148	84	0	7,648
	ABCO	0	0	0	0	0	4	0	0	4
	PIJE	0	0	0	0	0	16	0	0	16
	PSME	0	11	346	1,063	89	758	0	0	2,267
	PSMEE	0	0	151	0	0	237	0	0	388
	PSMEW	0	0	19	0	0	60	0	0	79
	ABMAS	0	0	0	0	0	114	0	0	114
	ABPR	0	0	264	194	18	93	0	0	569
	THPL	38	0	9	46	7	72	0	0	172
	TSHE	0	1	0	39	0	36	0	0	76
	TSME	0	0	1	0	0	0	0	0	1
	ALRU2	0	0	0	0	38	0	0	0	38
	CHLA	0	0	0	0	46	3	0	0	49
	CHNO	0	0	1	0	0	0	0	0	1
	LAOC	0	0	0	0	0	44	0	0	44
	LAOCW	53	0	693	0	1,435	512	63	0	2,756
	LIDE	0	0	0	0	12	224	0	0	236
	PIEN	0	0	10	12	68	15	0	0	105
	PISI	0	0	0	0	0	3	0	0	3
	Subtotal, R-6	135	156	6,063	1,480	2,467	6,059	147	0	16,507

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**TABLE 7 - NATIONAL FOREST LAND PLANTED WITH SEEDLINGS FROM KNOWN SEED SOURCES**

Region	Species	Selective Breeding	Seed Orchard	Select Trees	SPA	Seed Stand	Seed Zone	Other	Vegetative Material	Total
8	PIEC2	0	4,508	0	0	0	0	0	0	4,508
	PIEL	0	36	0	0	0	0	0	0	36
	PIPA2	0	2,787	0	498	0	36	704	0	4,025
	PIST	0	65	0	0	0	0	0	0	65
	PITA	0	691	0	0	0	0	0	0	691
	PRSE2	0	48	0	0	0	0	0	0	48
	QUAL	0	1	0	135	0	0	0	0	136
	QUBI	0	15	0	0	0	0	0	0	15
	QUNI	0	0	0	0	0	174	0	0	174
	QUNU	0	0	0	0	0	400	0	0	400
	QUERC	0	0	0	92	0	0	0	0	92
	QURU	0	60	17	0	0	25	0	0	102
	Subtotal, R-8	0	8,211	17	725	0	635	704	0	10,292

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**TABLE 7 - NATIONAL FOREST LAND PLANTED WITH SEEDLINGS FROM KNOWN SEED SOURCES**

Region	Species	Selective Breeding	Seed Orchard	Select Trees	SPA	Seed Stand	Seed Zone	Other	Vegetative Material	Total
9	ABBA	0	3	0	0	0	0	0	0	3
	PIGL	0	162	0	0	0	0	0	0	162
	PIMA	0	0	0	10	0	0	0	0	10
	PIBA2	0	408	0	0	254	1,405	101	0	2,168
	PIEC2	0	360	0	0	0	0	0	0	360
	PIRE	0	662	0	0	143	880	23	0	1,708
	PIST	0	2,675	0	0	154	821	271	0	3,921
	PIVI2	0	0	0	0	14	0	0	0	14
	TADI2	0	0	0	0	0	0	242	0	242
	THOC2	0	2	0	0	0	71	0	0	73
	TSCA	0	0	0	0	34	14	89	0	137
	ACSA2	0	0	0	0	17	0	0	0	17
	ACSA3	0	0	0	0	0	0	3	0	3
	BEAL2	0	0	0	0	0	0	2	0	2
	CARYA	0	0	0	0	0	3	0	0	3
	FRAM2	0	0	0	0	19	0	0	0	19
	FRPE	0	0	0	0	37	0	0	0	37
	LITU	0	0	0	0	0	1	0	0	1
	PRSE2	0	0	63	0	0	0	0	0	63
	QUAL	0	0	0	0	0	6	0	0	6
	QUMA2	0	0	0	0	0	13	0	0	13
	QUPR2	0	0	0	0	0	13	0	0	13
	QURU	0	2	0	0	0	243	92	0	337
	Subtotal, R-9	0	4,274	63	10	672	3,470	823	0	9,312

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**TABLE 7 - NATIONAL FOREST LAND PLANTED WITH SEEDLINGS FROM KNOWN SEED SOURCES**

Region	Species	Selective Breeding	Seed Orchard	Select Trees	SPA	Seed Stand	Seed Zone	Other	Vegetative Material	Total
10	CHNO	0	0	0	0	0	34	0	0	34
	PISI	0	0	0	0	0	43	0	0	43
	PICEA	0	0	0	0	0	245	0	0	245
	Subtotal, R-10	0	0	0	0	0	322	0	0	322
ALL		135	7,159	6,232	1,741	16,467	30,603	2,199	0	64,536
	Percent of Total	0.2	11.1	9.7	2.7	25.5	47.4	3.4	0.0	100.0

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**TABLE 7A - SUPERIOR TREE SELECTION STATUS**  
(Number of Trees)

Region	Number of Species	Ownerships	Generations	Selection Goal	Selected		
					This Year		To Date
1	7	NFS	P,F1,F2	15,490	92	0	16,069
2	0	NFS	P	825	0	0	452
3	0	STATE, NFS	P	0	0	0	0
4	4	NFS	P, F1	1,685	6	0	882
5	14	NFS, OTHER	P, F1	33,000	1,222	0	32,802
6	25	NFS, OTHER	P, F1	78,157	30	6	78,567
8	14	NFS	P, F1	5,670	229	(271)	5,055
9	38	NFS, OTHER	P, F1	5,872	0	0	0
10		NONE					
ALL	102			140,699	1,579	(265)	133,827

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**TABLE 7B - PLANTATIONS TO EVALUATE GENETIC WORTH OF SELECTED CLONES OR FAMILIES**

Region	Number of Species	Number of Areas	Generation of Material	Type of Area	Clones or Families			Acres Established		
					This Year	To Date		This Year	To Date	
1	7	125	F1,HS,CL	F,N,FNT	222	(490)	18,075	20	(4)	1,031
2	2	4	HS,SS	F	0	0	0	0	0	6
3	0	0	P, HS	F	0	0	187	0	0	2
4	1	8	P, HS	F	0	0	492	0	0	141
5	13	75	F1, HS	F, N	595	0	22,319	7	0	480
6	15	916	P,P-C,F1-HS,F2-HS	F, N	286	0	42,550	13	0	7,972
8	9	578	F1, HS,FS	F	28	0	4,914	4	0	1,497
9	22	1,498	P, F1, F2	F,P,PT	0	0	2,699	0	0	381
10		NONE								
ALL	69	3,204	0		1,131	(490)	91,236	44	(4)	11,510

Additional information by species, source of material, and type of area is available upon request.

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**TABLE 8 - SILVICULTURAL EXAMINATIONS AND PRESCRIPTIONS**

ACRES

Region	Silvicultural Exam Act. 310-319	Diagnosis Act. 320-329	Prescription Act. 330-339
1	168,144	0	60,489
2	117,742	0	31
3	75,315	0	10,605
4	51,683	576	7,064
5	3,561	2,637	3,814
6	75,289	66,405	38,235
8	46,179	0	313,901
9	546	0	250,577
10	23,761	1,821	3,872
ALL	562,220	71,439	688,588

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**TABLE 9 - PLANTING**

*Activity Codes 430-449*  
ACRES

Region	NFVW/RTF	K-V	BD	Other	Total
1	4,980	6,522		5,941	17,443
2	432	234	37	93	796
3	0	106		872	978
4	2,342	1,683		2,621	6,646
5	6,907	4,637		1,141	12,685
6	9,147	6,555		805	16,507
8	4,226	4,852		1,214	10,292
9	3,446	5,829		37	9,312
10	279	43			322
ALL	31,759	30,461	37	12,724	74,981

**TABLE 10 - SEEDING**

*Activity Codes 410-429*  
ACRES

Region	NFVW/RTF	K-V	BD	Other	Total
1	1,357			244	1,601
2	3	169			172
6		103			103
8	292	1,013			1,305
9	100	1,239			1,339
ALL	1,752	2,524	0	244	4,520

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**TABLE 11 - SITE PREPARATION FOR NATURAL REGENERATION**  
*Activity Codes 490-499*  
ACRES

Region	NFVW/RTF	K-V	BD	Other	Total
1	290	928		554	1,772
2		950		471	1,421
3				32	32
4	372	378		9	759
5	0	206		0	206
6	1,737	1,358		244	3,339
8	1,118	7,858		443	9,419
9	2,706	7,574		0	10,280
ALL	6,223	19,252	0	1,753	27,228

**TABLE 11A - NATURAL REGENERATION WITHOUT SITE PREPARATION**  
*Activity Code 382*  
ACRES

Region	NFVW/RTF	K-V	BD	Other	Total
1	1,115	980		89	2,184
2	3,000	5,845		15	8,860
3	289	0			289
4	2,734	1,707			4,441
5	11	10		51	72
6	11,556	1,924			13,480
8	440	629			1,069
9	6,413	14,444			20,857
10		2,833			2,833
ALL	25,558	28,372	0	155	54,085

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**TABLE 12 - SITE PREPARATION FOR PLANTING OR SEEDING**

*Activity Codes 470-489*  
ACRES

Region	NFVW/RTF	K-V	BD	Other	Total
1	309	3,074	0	2,306	5,689
2	189	175	0	0	364
4	206	269	78	20	573
5	872	875	60	917	2,724
6	1,664	2,763	179	133	4,739
8	3,388	3,980	0	643	8,011
9	1,311	2,917	0	0	4,228
ALL	7,939	14,053	317	4,019	26,328

**TABLE 13 - RELEASE AND WEEDING**

*Activity Codes 510-519*  
ACRES

Region	NFVW/RTF	K-V	BD	Other	Total
1	163	708	0	38	909
2	5	723	0	489	1,217
3	0	0	0	1,184	1,184
4	609	329	0	32	970
5	3,990	7,205	28	3,751	14,974
6	778	2,107	2	74	2,961
8	14,076	9,122	0	1,274	24,472
9	3,970	3,034	0	0	7,004
10	0	0	0	0	0
ALL	23,591	23,228	30	6,842	53,691

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**TABLE 14 - PRECOMMERCIAL THINNING**

*Activity Codes 520-529*  
ACRES

Region	NFVW/RTF	K-V	BD	Other	Total
1	7,317	57	0	6	7,380
2	2,240	2,888	0	355	5,483
3	4,690	467	0	3,820	8,977
4	4,548	794	0	434	5,776
5	6,692	5,883	0	10,930	23,505
6	18,626	9,789	0	13,953	42,368
8	2,490	1,627	0	678	4,795
9	35	24	0	0	59
10	1,461	888	0	1,187	3,536
ALL	48,099	22,417	0	31,363	101,879

**TABLE 15 - PRUNING**

*Activity Codes 530-539*  
ACRES

Region	NFVW/RTF	K-V	BD	Other	Total
1	284	0	0	2,885	3,169
5	760	121	0	188	1,069
6	820	1,759	0	603	3,182
9	2,244	169	0	0	2,413
10	358	0	0	34	392
ALL	4,466	2,049	0	3,710	10,225

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**TABLE 16 - FERTILIZING OF ESTABLISHED STAND**

*Activity Codes 550-559*  
ACRES

Region	NFVW/RTF	K-V	BD	Other	Total
1	0	61	0	0	61
5	10	0	0	0	10
6	0	3,604	0	0	3,604
8	526	48	0	0	574
ALL	536	3,713	0	0	4,249

**TABLE 17 - PRESCRIBED BURNING TO CONTROL UNDERSTORY SPECIES**

*Activity Code 541*  
ACRES

Region	NFVW/RTF	K-V	BD	Other	Total
4	0	0	0	6,517	6,517
6	0	30	0	0	30
8	7,544	12,142	0	1,152	20,838
ALL	7,544	12,172	0	7,669	27,385

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**TABLE 18 - ANIMAL CONTROL FOR REFORESTATION**

*Activity Codes 460-469*  
ACRES

Region	NFVW/RTF	K-V	BD	Other	Total
1	3,181	1,744	0	1,669	6,594
2	52	5	0	0	57
4	2,291	2,744	0	0	5,035
5	1,469	2,615	0	66	4,150
6	24,387	15,655	0	517	40,559
9	158	274	0	0	432
ALL	31,538	23,037	0	2,252	56,827

**TABLE 19 - ANIMAL CONTROL FOR TIMBER STAND IMPROVEMENT**

*Activity Codes 560-569*  
ACRES

Region	NFVW/RTF	K-V	BD	Other	Total
5	714	31	0	0	745
9	433	143	0	0	576
ALL	1,147	174	0	0	1,321

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**TABLE 20 - REGENERATION AND INTERMEDIATE HARVEST ACRES**

Region	Clearcut 110-119	Prep cut 120-129	Seed cut 130-139	Removal cut 140-149	Selection cut 150-159	Improvement cut 210-219	Thinning 220-229	Sanitation cut 230-239	Special cut 240-249	Total 110-249
1	3,675	550	4,989	595	225	3,266	3,840	3,810	690	21,640
2	1,651	1,095	3,646	2,813	1,678	121	8,208	2,610	423	22,245
3	44	0	0	0	173	388	3,756	11	0	4,372
4	1,101	45	540	441	1,109	294	2,048	3,456	224	9,258
5	56	2	0	92	1,062	0	24,174	3,999	550	29,935
6	157	204	1,315	2,691	2,429	1,254	17,535	3,135	192	28,912
8	3,907	972	3,112	484	1,794	33	23,921	6,944	2,056	43,223
9	12,592	549	5,072	1,206	6,820	4,297	15,337	1,819	26	47,718
10	830	0	14	0	372	0	0	2	0	1,218
ALL	24,013	3,417	18,688	8,322	15,662	9,653	98,819	25,786	4,161	208,521

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**TABLE 21 - CERTIFICATION OF REFORESTATION AND TIMBER STAND IMPROVEMENT ACREAGES**

			Reforestation			Timber Stand Improvement					
Region	Planted	Seeded	Natural Regen w/ Site Prep	Natural Regen w/o Site Prep	Total Reforestation	Cleaning	Release	Precomm. Thinning	Fertilization	Pruning	Total TSI
1	21,674	0	3,719	2,184	27,577	0	909	7,380	61	3,169	11,519
2	1,449	132	680	8,860	11,121	0	0	3,892	0	0	3,892
3	749	0	0	289	1,038	0	0	904	0	0	904
4	3,345	0	798	4,411	8,584	0	702	5,243	0	0	5,945
5	4,623	0	7	72	4,702	0	15,669	21,300	10	1,069	38,048
6	20,610	103	3,532	13,480	37,725	0	261	19,771	3,932	1,310	25,274
8	9,562	1,524	10,127	1,069	22,282	0	15,889	2,766	574	0	19,229
9	5,783	766	15,487	20,857	42,893	0	5,330	55	0	780	6,165
10	448	0	0	2,833	3,281	0	0	2,979	0	224	3,203
ALL	68,243	2,525	34,350	54,055	159,203	0	38,760	64,290	4,577	6,552	114,179

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**TABLE 22 - PLANTATION SURVIVAL CHECKS**

Survival checks made after 2001 Growing Season

REGION	SPECIES (Species Code)	First Year Survival		Third Year Survival	
		Acres Sampled	Survival Percent	Acres Sampled	Survival Percent
1	Douglas-fir (PSME)	429	91%	409	71%
	Englemann spruce (PIEN)	192	92%	296	75%
	Lodgepole pine (PICO)	237	90%	203	81%
	Ponderosa pine (PIPO)	980	83%	513	56%
	Western larch (LAOC)	894	77%	585	60%
	Western white pine (PIMO3)	597	92%	578	69%
	Subtotal, R-1	3,329	85%	2,584	66%
2	Englemann spruce (PIEN)	123	85%	138	60%
	Lodgepole pine (PICO)	536	87%	1,394	64%
	Douglas-fir (PSME)	0	0%	25	90%
	Ponderosa pine (PIPO)	113	55%	796	77%
	Subtotal, R-2	772	82%	2,353	67%
3	Ponderosa pine (PIPO)	126	74%	1,936	39%
	Subtotal, R-3	126	74%	1,936	39%
4	Douglas-fir (PSME)	1,006	89%	1,982	47%
	Englemann spruce (PIEN)	511	90%	313	94%
	Lodgepole pine (PICO)	765	87%	940	76%
	Ponderosa pine (PIPO)	3,819	86%	6,352	49%
	Western larch (LAOC)	181	90%	81	72%
	Jeffrey pine (PIJE)	10	90%	0	0%
	Other	10	100%	0	0
	Subtotal, R-4	6,302	87%	9,668	53%

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**TABLE 22 - PLANTATION SURVIVAL CHECKS**

Survival checks made after 2001 Growing Season

REGION	SPECIES (Species Code)	First Year Survival		Third Year Survival	
		Acres Sampled	Survival Percent	Acres Sampled	Survival Percent
5	Ponderosa pine (PIPO)	9,459	62%	10,215	78%
	Douglas-fir (PSME)	4,931	45%	6,409	59%
	Jeffrey pine (PIJE)	4,592	62%	1,798	64%
	Sugar pine (PILA)	3,125	57%	4,629	24%
	Incense-cedar (LIDE)	3,264	47%	2,569	38%
	White fir (ABCO)	2,840	38%	879	31%
	California red fir (ABMA)	1,460	37%	864	45%
	Giant sequoia (SEGI2)	0	0%	232	18%
	Lodgepole pine (PICO)	121	83%	26	37%
	Coulter pine (PICO3)	31	68%	350	49%
	Bigcone Douglas-fir (PSMA)	16	1%	344	44%
	Pinyon pine (PIMO2)	2	48%	0	0%
	Knobcone x Monterey (PIAT2)	0	0%	278	51%
	Western Sycamore (PLRA)	10	14%	0	0%
	California live oak (QUAGO)	26	87%	0	0%
	Port Oxford-cedar (CHLA)	0	0%	52	31%
	Canyon live oak (QUCH2)	26	63%	5	38%
	Shasta red fir (ABMAS)	130	39%	10	37%
	Black Cottonwood (POBAT)	4	100%	0	0%
	Subtotal, R-5	30,037	54%	28,660	56%

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**TABLE 22 - PLANTATION SURVIVAL CHECKS**

Survival checks made after 2001 Growing Season

REGION	SPECIES (Species Code)	First Year Survival		Third Year Survival	
		Acres Sampled	Survival Percent	Acres Sampled	Survival Percent
6	Douglas-fir (PSME)	3,989	83%	8,040	63%
	Ponderosa pine (PIPO)	11,218	81%	20,873	67%
	Lodgepole pine (PICO)	571	88%	2,211	78%
	Western white pine (PIMO3)	848	88%	2,234	61%
	Spruces (all species)	482	68%	699	58%
	True firs (all species)	210	96%	50	368%
	Western larch (LAOC)	1,474	85%	2,936	62%
	Other species	1,195	81%	1,967	65%
	Subtotal, R-6	19,987	78%	39,010	63%
8	Shortleaf pine (PIEC2)	2,705	42%	4,127	36%
	Slash pine (PIEL)	27	84%	94	66%
	Longleaf pine (PIPA2)	4,949	71%	4,413	65%
	Pitch pine (PIRI)	13	92%	60	73%
	Eastern white pine (PIST)	141	83%	186	74%
	Loblolly pine (PITA)	1,233	84%	3,540	69%
	Black cherry (PRSE2)	57	81%	210	74%
	White oak (QUAL)	13	90%	0	0%
	Northern red oak (QURU)	179	89%	406	43%
Subtotal, R-8	9,317	65%	13,036	57%	

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**TABLE 22 - PLANTATION SURVIVAL CHECKS**

Survival checks made after 2001 Growing Season

REGION	SPECIES (Species Code)	First Year Survival		Third Year Survival	
		Acres Sampled	Survival Percent	Acres Sampled	Survival Percent
9	Red pine (PIRE)	1,713	76%	1,860	85%
	Jack pine (PIBA2)	1,227	79%	1,156	82%
	Eastern white pine (PIST)	2,605	84%	2,657	81%
	Shortleaf pine (PIEC2)	231	41%	61	44%
	Virginia pine (PIV12)	9	76%	9	67%
	White spruce (PIGL)	381	81%	267	83%
	Black spruce (PIMA)	19	95%	0	0%
	Norway spruce (PIAB)	5	64%	0	0%
	Northern white cedar (THOC2)	116	92%	0	0%
	Northern red oak (QURU)	561	77%	544	81%
	White oak (QUAL)	40	78%	5	50%
	Chestnut oak (QUPR2)	4	100%	0	0%
	Bur oak (QUMA2)	0	0%	2	67%
	Pin oak (QUPA2)	0	0%	18	71%
	Eastern hemlock (TSCA)	148	83%	101	81%
	Tamarack (LALA)	20	100%	54	83%
	Black cherry (PRSE2)	45	72%	64	63%
	Yellow poplar (LITU)	6	45%	65	54%
	Sugar maple (ACSA3)	4	100%	10	41%
	Red Maple (ACRUR)	0	0%	56	82%
	Yellow birch (BELE2)	5	60%	0	0%
	White ash (FRAM2)	3	100%	15	65%
	Cucumber tree (MAAC)	4	75%	0	0%
	Baldcypress (TAD12)	808	79%	781	67%
	Mixed hardwoods	122	59%	18	53%
	Subtotal, R-9	8,076	79%	7,743	80%

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**TABLE 22 - PLANTATION SURVIVAL CHECKS**

Survival checks made after 2001 Growing Season

REGION	SPECIES (Species Code)	First Year Survival		Third Year Survival	
		Acres Sampled	Survival Percent	Acres Sampled	Survival Percent
10	Alaska yellow cedar (CHNO)	62	94%	158	91%
	Sitka spruce (PISI)	51	91%	42	91%
	Western red cedar (THPL)	33	98%	44	86%
	White spruce (PIGL)	50	0%	55	83%
	Subtotal, R-10	196	70%	299	89%
ALL	National Total	78,142	68%	105,289	60%

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**TREE SPECIES SYMBOLS**  
**Hardwoods**

Forest Survey Code	USDA-NRCS PLANTS Symbol	Common Name
317	ACSA2	Silver maple
318	ACSA3	Sugar maple
351	ALRU2	Red alder
371	BEAL2	Silver maple
400	CARYA	Hickory
541	FRAM2	White ash
544	FRPE	Green ash
621	LITU	Tulip tree/Yellow poplar
651	MAAC	Cucumber tree
762	PRSE2	Black cherry
800	QUERC	Oak
802	QUAL	White oak
805	QUCH2	Canyon live oak
823	QUMA2	Bur oak
825	QUBI	Swamp chestnut oak
827	QUNI	Water oak
828	QUNU	Nuttal oak
830	QUPA2	Pin oak
832	QUPR2	Chestnut oak
833	QURU	Northern red oak

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**TREE SPECIES SYMBOLS**

**Conifers**

Forest Survey Code	USDA-NRCS PLANTS Symbol	Common Name	Forest Survey Code	USDA-NRCS PLANTS Symbol	Common Name
12	ABBA	Balsam fir	110	PIEC2	Shortleaf pine
15	ABCO	White fir	111	PIEL	Slash pine
20	ABMA	California red fir	116	PIJE	Jeffrey pine
21	ABMAS	Shasta red fir	117	PILA	Sugar pine
22	ABPR	Noble fir	119	PIMO3	Western white pine
41	CHLA	Port Orford-cedar	121	PIPA2	Longleaf pine
42	CHNO	Alaska yellow-cedar	122	PIPO	Ponderosa pine
68	THOC2	Northern white cedar	125	PIRE	Red pine
71	LALA	Tamarack	129	PIST	Eastern white pine
73	LAOC	Western larch	131	PITA	Loblolly pine
	LAOCW 1/	Western larch	132	PIV12	Virginia pine
81	LIDE	Incense-cedar	202	PSME	Douglas-fir
101	PIAL	Whitebark pine	N/A	PSMEE 2/	Douglas-fir
91	PIMA	Black spruce	N/A	PSMEW 3/	Douglas-fir
93	PIEN	Englemann spruce	212	SEG12	Giant sequoia
94	PIGL	White spruce	221	TADI2	Baldcypress
95	PIAB	Norway spruce	242	THPL	Western red cedar
98	PISI	Sitka spruce	261	TSCA	Eastern hemlock
105	PIBA2	Jack pine	263	TSHE	Western hemlock
108	PICO	Lodgepole pine	264	TSME	Mountain hemlock

1/ Western larch west of the Cascade Mountain

2/ Douglas-fir east of the Cascade Mountain

3/ Douglas