

Appendix F-19(2)-2 Cost by operation year(Production Cost Dolj County)

Forest Management Type F1							
Damage Grade	Strong		Moderate		Weak		Sub Total
Operation Year	Cutting Area	Cost US\$	Cutting Area	Cost US\$	Cutting Area	Cost US\$	
Unit Cost	ha	\$340.30	ha		ha		US\$
3							
4							
5							
6							
7	19.68	6,697					6,697
8							
9							
Total	19.68	6,697					6,697

Forest Management Type F6							
Damage Grade	Strong		Moderate		Weak		Sub Total
Operation Year	Cutting Area	Cost US\$	Cutting Area	Cost US\$	Cutting Area	Cost US\$	
Unit Cost	ha	\$225.60	ha	\$233.30	ha	\$46.30	US\$
3	16.00	3,610	13.00	3,033	247.73	11,460	18,103
4	16.00	3,610	13.00	3,033	247.73	11,460	18,103
5	16.00	3,610	12.00	2,799	247.73	11,460	17,869
6	24.00	5,415	16.00	3,733	247.73	11,460	20,608
7	89.00	20,080	162.00	37,792	247.73	11,460	69,332
8	97.00	21,885	283.00	66,019	247.73	11,460	99,364
9	80.08	18,068		60,374	247.72	11,460	89,901
Total	338.08	76,277	757.80	176,782	1,734.10	80,221	333,280

Forest Management Type F2							
Damage Grade	Strong		Moderate		Weak		Sub Total
Operation Year	Cutting Area	Cost US\$	Cutting Area	Cost US\$	Cutting Area	Cost US\$	
Unit Cost	ha	\$367.70	ha	\$397.30	ha	\$61.40	US\$
3							
4							
5							
6							
7	27.12	9,971			13.75	845	10,816
8			6.08	2,416	13.75	845	3,261
9							
Total	27.12	9,971	6.08	2,416	27.50	1,690	14,076

Forest Management Type F7							
Damage Grade	Strong		Moderate		Weak		Sub Total
Operation Year	Cutting Area	Cost US\$	Cutting Area	Cost US\$	Cutting Area	Cost US\$	
Unit Cost	ha	\$141.60	ha	\$259.50	ha	\$58.60	US\$
3	4.00	567	4.00	1,038	10.26	601	2,206
4	10.00	1,416	7.00	1,817	10.26	601	3,834
5	18.00	2,549	26.00	6,748	10.26	601	9,898
6	16.72	2,368	11.20	2,907	10.26	601	5,876
7			19.00	4,931	10.26	601	5,532
8							
9							
Total	48.72	6,900	67.20	17,441	51.30	3,005	27,346

Forest Management Type F3							
Damage Grade	Strong		Moderate		Weak		Sub Total
Operation Year	Cutting Area	Cost US\$	Cutting Area	Cost US\$	Cutting Area	Cost US\$	
Unit Cost	ha		ha	\$516.80	ha		US\$
3							
4			1.44	744			744
5							
6							
7							
8							
9							
Total			1.44	744			744

Forest Management Type F8							
Damage Grade	Strong		Moderate		Weak		Sub Total
Operation Year	Cutting Area	Cost US\$	Cutting Area	Cost US\$	Cutting Area	Cost US\$	
Unit Cost	ha	\$95.10	ha	\$270.40	ha	\$64.70	US\$
3	3.00	285	5.00	1,352	8.40	543	2,180
4	8.00	761	6.00	1,622	8.40	543	2,926
5	13.00	1,236	18.00	4,867	8.40	543	6,646
6	19.00	1,807	12.15	3,285	8.40	543	5,635
7	3.56	339			8.40	543	88
8							
9							
Total	46.56	4,428	41.15	11,126	42.00	2,716	18,270

Forest Management Type F5							
Damage Grade	Strong		Moderate		Weak		Sub Total
Operation Year	Cutting Area	Cost US\$	Cutting Area	Cost US\$	Cutting Area	Cost US\$	
Unit Cost	ha	\$248.10	ha	\$236.10	ha	\$50.60	US\$
3	14.00	3,474	3.00	708	50.96	2,580	6,762
4	14.00	3,474	3.00	708	50.96	2,580	6,762
5	14.00	3,474	3.00	708	50.96	2,580	6,762
6	20.00	4,962	5.50	1,298	50.96	2,580	8,841
7	54.00	13,398	83.00	19,595	50.96	2,580	35,574
8	98.00	24,315	100.00	23,609	50.95	2,580	50,503
9	84.32	20,921	65.40	15,440	50.95	2,580	38,941
Total	298.32	74,017	262.90	62,067	356.70	18,061	154,145

Forest Management Type F9							
Damage Grade	Strong		Moderate		Weak		Sub Total
Operation Year	Cutting Area	Cost US\$	Cutting Area	Cost US\$	Cutting Area	Cost US\$	
Unit Cost	ha	\$217.60	ha	\$252.00	ha	\$67.20	US\$
3	20.00	4,352	10.00	2,520	40.00	2,689	9,561
4	35.00	7,616	19.00	4,788	40.00	2,689	15,093
5	60.00	13,056	44.00	11,088	40.00	2,689	26,833
6	115.10	25,045	54.60	13,760	40.00	2,689	41,494
7							
8							
9							
Total	230.10	50,068	127.60	32,156	160.00	10,757	92,981

Forest Management Type F10							
Damage Grade	Strong		Moderate		Weak		Sub Total
Operation Year	Cutting Area	Cost US\$	Cutting Area	Cost US\$	Cutting Area	Cost US\$	
Unit Cost	ha	\$89.80	ha	\$114.60	ha	\$32.90	US\$
3	10.00	898	4.00	458	6.68	220	1,577
4	24.00	2,156	8.00	917	6.68	220	3,293
5	58.00	5,210	13.00	1,490	6.67	220	6,919
6	82.30	7,392	6.85	785	6.67	220	8,397
7							
8							
9							
Total	174.30	15,656	31.85	3,650	26.70	880	20,186

Forest Management Type F11							
Damage Grade	Strong		Moderate		Weak		Sub Total
Operation Year	Cutting Area	Cost US\$	Cutting Area	Cost US\$	Cutting Area	Cost US\$	
Unit Cost	ha		ha	\$203.80	ha		US\$
3							
4							
5			1.80	367			367
6							
7							
8							
9							
Total			1.80	367			367

Forest Management Type F12							
Damage Grade	Strong		Moderate		Weak		Sub Total
Operation Year	Cutting Area	Cost US\$	Cutting Area	Cost US\$	Cutting Area	Cost US\$	
Unit Cost	ha	\$39.60	ha		ha	\$32.40	US\$
3							
4							
5	2.50	99			0.60	19	118
6							
7							
8							
9							
Total	2.50	99					118

Forest Management Type F13							
Damage Grade	Strong		Moderate		Weak		Sub Total
Operation Year	Cutting Area	Cost US\$	Cutting Area	Cost US\$	Cutting Area	Cost US\$	
Unit Cost	ha	\$218.1	ha	\$84.60	ha		US\$
3							
4							
5							
6	17.10	3,729					3,729
7			8.20	694			694
8							
9							
Total	17.10	3,729	8.20	694			4,423

Appendix F-20(1)-1 Cost by operation year(Silviculture Olt County Total)

Operation year	F5 Total US\$	F6 Total US\$	F7 Total US\$	F8 Total US\$	F9 Total US\$	F10 Total US\$	F11 Total US\$	F13 Total US\$	Total US\$
3	3,668	2,728	724	4,392					11,512
4	9,585	7,667	4,752	16,970		1,170			40,144
5	11,542	9,154	11,484	32,907	493	3,178	1,054		69,813
6	14,704	11,266	18,822	55,968	3,920	5,429	1,136		111,244
7	39,251	28,095	13,464	46,289	3,561	3,774	347	1,573	136,354
8	119,246	73,407	10,381	21,234	1,433	1,340	204	682	227,927
9	155,539	108,136	5,457	13,447	91	457	174	320	283,623
10	115,309	93,892	4,434	11,594	484	457	174	226	226,571
11	49,525	38,288	3,782	10,023		91	174	89	101,973
12	36,382	27,172	2,469	7,025	91	274	97		73,511
13	33,758	24,940	1,287	3,504	91	457			64,039
14	27,171	20,848	599	1,402	484	457		109	51,070
15	15,496	12,489	702	1,838			97		30,622
16	4,776	3,717	530	2,349					11,372
17	3,888	2,525	229	380					7,022
18	5,693	3,949	62	298					10,002
19	4,356	3,472	242	609					8,680
20	249	215	505	1,163			53		2,185
21	433	305	335	1,366					2,439
22	3,038	1,897	208	206					5,349
23	4,305	3,170	62	298					7,835
24	3,223	2,822	242	609					6,896
25	249	215	505	1,163			53		2,185
26	433	305	335	1,366					2,439
27	3,038	1,897	208	206					5,349
28	4,070	2,955							7,025
29	2,960	2,607							5,567

Appendix F-20(1)-4 Cost by operation year(Silviculture Olt County)

Operation year	F7 Damage Grade Strong						F7 Damage Grade Moderate						F7 Total US\$	Operation year		
	Unit Cost	Operation Area (ha)					Cost (US\$)	Unit Cost	Operation Area (ha)						Cost (US\$)	
3	554.8	1.00					555	169.5	1.00				170	724	3	
4	615.6	1.00	5.00				3,390	853.8	1.00	3.00				1,362	4,752	4
5	183.2	1.00	5.00	7.00			7,145	252.7	1.00	3.00	9.00			4,340	11,484	5
6	107.2	1.00	5.00	7.00	7.80		9,660	134.6	1.00	3.00	9.00	3.45		9,162	18,822	6
7	91.8	1.00	5.00	7.00	7.80		6,712	111.3	1.00	3.00	9.00	3.45	6.00	6,752	13,464	7
8	91.8	1.00	5.00	7.00	7.80		2,730	111.3	1.00	3.00	9.00	3.45	6.00	7,651	10,381	8
9	91.8	1.00	5.00	7.00	7.80		2,030	111.3	1.00	3.00	9.00	3.45	6.00	3,427	5,457	9
10	51.1	1.00	5.00	7.00	7.80		1,869	38.2	1.00	3.00	9.00	3.45	6.00	2,565	4,434	10
11			5.00	7.00	7.80		1,614			3.00	9.00	3.45	6.00	2,168	3,782	11
12				7.00	7.80		1,074				9.00	3.45	6.00	1,396	2,469	12
13	51.1	1.00			7.80		450	38.2	1.00			3.45	6.00	838	1,287	13
14			5.00				256			3.00			6.00	344	599	14
15				7.00			358				9.00			344	702	15
16					7.80		399					3.45		132	530	16
17													6.00	229	229	17
18	27.7	1.00					28	34.6	1.00					35	62	18
19			5.00				139			3.00				104	242	19
20				7.00			194				9.00			311	505	20
21					7.80		216					3.45		119	335	21
22													6.00	208	208	22
23	27.7	1.00					28	34.6	1.00					35	62	23
24			5.00				139			3.00				104	242	24
25				7.00			194				9.00			311	505	25
26					7.80		216					3.45		119	335	26
27													6.00	208	208	27
28																28
29																29

Appendix F20-(1)-5 Cost by operation year(Silviculture Olt County)

Operation year	F8 Damage Grade Strong						F8 Damage Grade Moderate						F8 Total US\$	Operation year		
	Unit Cost	Operation Area (ha)					Cost (US\$)	Unit Cost	Operation Area (ha)						Cost (US\$)	
3	554.8	7.00					3,884	169.5	3.00					509	4,392	3
4	614.5	7.00	17.00				13,733	852.8	3.00	4.00				3,236	16,970	4
5	182.8	7.00	17.00	27.00			26,706	251.9	3.00	4.00	12.00			6,201	32,907	5
6	107.2	7.00	17.00	27.00	41.00		43,196	134.6	3.00	4.00	12.00	6.65		12,772	55,968	6
7	91.8	7.00	17.00	27.00	41.00	7.44	36,723	111.3	3.00	4.00	12.00	6.65		9,566	46,289	7
8	91.8	7.00	17.00	27.00	41.00	7.44	17,164	111.3	3.00	4.00	12.00	6.65		4,069	21,234	8
9	91.8	7.00	17.00	27.00	41.00	7.44	10,437	111.3	3.00	4.00	12.00	6.65		3,010	13,447	9
10	51.1	7.00	17.00	27.00	41.00	7.44	8,958	38.2	3.00	4.00	12.00	6.65		2,636	11,594	10
11			17.00	27.00	41.00	7.44	7,794			4.00	12.00	6.65		2,229	10,023	11
12				27.00	41.00	7.44	5,826				12.00	6.65		1,199	7,025	12
13	51.1	7.00			41.00	7.44	3,136	38.2	3.00			6.65		369	3,504	13
14			17.00			7.44	1,249			4.00				153	1,402	14
15				27.00			1,380				12.00			458	1,838	15
16					41.00		2,095					6.65		254	2,349	16
17						7.44	380								380	17
18	27.7	7.00					194	34.6	3.00					104	298	18
19			17.00				471			4.00				138	609	19
20				27.00			748				12.00			415	1,163	20
21					41.00		1,136					6.65		230	1,366	21
22						7.44	206								206	22
23	27.7	7.00					194	34.6	3.00					104	298	23
24			17.00				471			4.00				138	609	24
25				27.00			748				12.00			415	1,163	25
26					41.00		1,136					6.65		230	1,366	26
27						7.44	206								206	27
28																28
29																29

Appendix F20-(1)-6 Cost by operation year(Silviculture Olt County)

Operation year	F9 Damage Grade Strong							F9 Damage Grade Moderate							F9 Total US\$	Operation year	
	Unit Cost	Operation Area (ha)						Unit Cost	Operation Area (ha)								Cost (US\$)
3	828.1																3
4	668.9							493.4									4
5	242.7							279.4	1.00						493	493	5
6				3.80					1.00	1.00					773	3,920	6
7	91.4			3.80				91.4	1.00	1.00	1.50				1,020	3,561	7
8				3.80					1.00		1.50				511	1,433	8
9										1.00					91	91	9
10				3.80							1.50				137	484	10
11	91.4							91.4									11
12									1.00						91	91	12
13										1.00					91	91	13
14				3.80							1.50				137	484	14
15																	15
16																	16
17																	17
18																	18
19																	19
20																	20
21																	21
22																	22
23																	23
24																	24
25																	25
26																	26
27																	27
28																	28
29																	29

Appendix F20-(1)-7 Cost by operation year(Silviculture Olt County)

Operation year	F10 Damage Grade Strong							F10 Damage Grade Moderate							F10 Total US\$	Operation year	
	Unit Cost	Operation Area (ha)						Unit Cost	Operation Area (ha)								Cost (US\$)
3	828.1																3
4	668.9		1.00					828	342.0	1.00					342	1,170	4
5	242.7		1.00	2.00				2,325	168.9	1.00	2.00				853	3,178	5
6			1.00	2.00	3.00			4,065		1.00	2.00	3.00			1,364	5,429	6
7	91.4			2.00	3.00			2,492	91.4	1.00	3.00	2.00			1,282	3,774	7
8			1.00		3.00			820			2.00		2.00		521	1,340	8
9				2.00				183				3.00			274	457	9
10					3.00			274					2.00		183	457	10
11	91.4								91.4	1.00					91	91	11
12				1.00							2.00				183	274	12
13					2.00							3.00			274	457	13
14						3.00							2.00		183	457	14
15																	15
16																	16
17																	17
18																	18
19																	19
20																	20
21																	21
22																	22
23																	23
24																	24
25																	25
26																	26
27																	27
28																	28
29																	29

Appendix F-20(1)-8 Cost by operation year(Silviculture Olt County)

Operative year	F11 Damage Grade Strong							Cost (US\$)	F11 Damage Grade Moderate							F11 Total US\$	Operative year
	Unit Cost	Operation Area (ha)							Unit Cost	Operation Area (ha)							
3	554.8							84.7									3
4	597.9							431.6									4
5	182.8			1.90				1,054	126.3							1,054	5
6	107.2			1.90				1,136	67.3							1,136	6
7	91.8			1.90				347	55.6							347	7
8	91.8			1.90				204	55.6							204	8
9	91.8			1.90				174	55.6							174	9
10	51.1			1.90				174	19.1							174	10
11				1.90				174								174	11
12				1.90				97								97	12
13	51.1								19.1								13
14																	14
15				1.90				97								97	15
16																	16
17																	17
18	27.7								17.2								18
19																	19
20				1.90				53								53	20
21																	21
22																	22
23	27.7								17.2								23
24																	24
25				1.90				53								53	25
26																	26
27																	27
28																	28
29																	29

Appendix F-20(1)-9 Cost by operation year(Silviculture Olt County)

Operative year	F13 Damage Grade Strong							Cost (US\$)	F13 Damage Grade Moderate							F13 Total US\$	Operative year
	Unit Cost	Operation Area (ha)							Unit Cost	Operation Area (ha)							
3	828.1							828.1									3
4	928.1							359.1									4
5	291.3							168.4									5
6	165.8							118.9									6
7	118.9							46.9				1.90			1,573	1,573	7
8	118.9											1.90			682	682	8
9	118.9											1.90			320	320	9
10	76.4							57.5				1.90			226	226	10
11												1.90			89	89	11
12																	12
13	76.4																13
14												1.90			109	109	14
15																	15
16																	16
17																	17
18	43.0																18
19																	19
20																	20
21																	21
22																	22
23	43.0																23
24																	24
25																	25
26																	26
27																	27
28																	28
29																	29

Appendix F-20(2)-1 Cost by operation year(Silviculture Dolj County Total)

Operation year	F1 Total US\$	F2 Total US\$	F3 Total US\$	F5 Total US\$	F6 Total US\$	F7 Total US\$	F8 Total US\$	F9 Total US\$	F10 Total US\$	F11 Total US\$	F12 Total US\$	F13 Total US\$	Total US\$
3				8,276	11,080	2,897	2,512	16,562	8,281				49,608
4			244	19,339	31,694	12,612	11,563	47,296	27,931				150,679
5			1,229	22,715	37,724	28,270	22,104	90,120	69,922	152	1,387		273,623
6			364	28,372	45,451	49,022	39,908	170,961	118,571	777	1,495	14,161	469,080
7	3,336	4,597	194	67,788	117,093	35,770	33,420	133,528	74,945	227	457	22,661	494,016
8	17,122	24,210	160	186,413	310,682	30,054	14,772	48,126	24,056	121	268	7,926	663,910
9	5,062	12,028	160	243,172	458,223	15,157	9,754	9,506	6,489	100	230	4,216	764,096
10	2,649	5,182	160	175,235	400,139	11,939	8,421	15,511	8,148	100	230	3,008	630,723
11	2,190	3,837	55	75,562	162,624	10,221	7,258	2,742	1,280	100	230	2,418	268,516
12	2,190	3,695		55,442	115,282	6,809	4,775	4,936	2,925	34	128	2,033	198,250
13	2,190	3,695		51,403	105,911	3,754	2,106	9,506	6,489			1,306	186,361
14	752	1,713	55	41,906	88,609	1,504	820	15,511	8,148			472	159,489
15		232		24,677	53,199	1,913	1,352			34	128		81,536
16				8,039	15,816	1,282	1,435					1,306	27,879
17	752	1,036		5,930	10,736	726	182						19,362
18		232		9,319	16,660	249	256						26,717
19			50	7,299	14,871	519	429						23,168
20				492	858	1,398	983			31	69		3,831
21				744	1,218	851	947					735	4,495
22	681	938		4,368	8,071	657	99						14,813
23		210		6,666	13,372	249	256						20,754
24			50	5,090	12,066	519	429						18,154
25				492	858	1,398	983			31	69		3,831
26				744	1,218	851	947					735	4,495
27	681	938		4,368	8,071	657	99						14,813
28		210		6,175	12,479								18,864
29				4,599	11,173								15,771

Appendix F-20(2)-2 Cost by operation year(Silviculture Dolj County)

Operation year	F1 Damage Grade Strong							Cost (US\$)	Operation year
	Unit Cost	Operation Area (ha)							
3	169.5							3	
4	870.0							4	
5	257.2							5	
6	134.6							6	
7	111.3					19.68	3,336	7	
8	111.3					19.68	17,122	8	
9	111.3					19.68	5,062	9	
10	38.2					19.68	2,649	10	
11						19.68	2,190	11	
12						19.68	2,190	12	
13	38.2					19.68	2,190	13	
14						19.68	752	14	
15								15	
16								16	
17						19.68	752	17	
18	34.6							18	
19								19	
20								20	
21								21	
22						19.68	681	22	
23	34.6							23	
24								24	
25								25	
26								26	
27						19.68	681	27	
28								28	
29								29	

Appendix F-20(2)-3 Cost by operation year(Silviculture Dolj County)

Operation year	F2 Damage Grade Strong and Moderate							Cost (US\$)	Operation year
	Unit Cost	Operation Area (ha)							
3	169.5							3	
4	854.7							4	
5	251.9							5	
6	134.6							6	
7	111.3					27.12	4,597	7	
8	111.3					27.12	6.08	24,210	8
9	111.3					27.12	6.08	12,028	9
10	38.2					27.12	6.08	5,182	10
11						27.12	6.08	3,837	11
12						27.12	6.08	3,695	12
13	38.2					27.12	6.08	3,695	13
14						27.12	6.08	1,713	14
15							6.08	232	15
16									16
17						27.12		1,036	17
18	34.6						6.08	232	18
19									19
20									20
21									21
22						27.12		938	22
23	34.6						6.08	210	23
24									24
25									25
26									26
27						27.12		938	27
28							6.08	210	28
29									29

Appendix F-20(2)-4 Cost by operation year(Silviculture Dolj County)

Operation year	F3 Damage Grade Moderate							Cost (US\$)	Operation year
	Unit Cost	Operation Area (ha)							
3	169.5							3	
4	853.8		1.44				211	4	
5	252.7		1.44				1,229	5	
6	134.6		1.44				364	6	
7	111.3		1.44				191	7	
8	111.3		1.44				160	8	
9	111.3		1.44				160	9	
10	38.2		1.44				160	10	
11			1.44				55	11	
12								12	
13	38.2							13	
14			1.44				55	14	
15								15	
16								16	
17								17	
18	34.6							18	
19			1.44				50	19	
20								20	
21								21	
22								22	
23	34.6							23	
24			1.44				50	24	
25								25	
26								26	
27								27	
28								28	
29								29	

Appendix F-20(2)-8 Cost by operation year(Silviculture Dolj County)

Operation year	F8 Damage Grade Strong						F8 Damage Grade Moderate						F8 US\$	Operation year	
	Unit Cost	Operation Area (ha)					Unit Cost	Operation Area (ha)							
3	554.8	3.00					1,664	169.5	5.00				848	2,512	3
4	614.5	3.00	8.00				6,282	852.8	5.00	6.00			5,281	11,563	4
5	182.8	3.00	8.00	13.00			12,677	251.9	5.00	6.00	18.00		9,427	22,104	5
6	107.2	3.00	8.00	13.00	19.00		20,314	134.6	5.00	6.00	18.00	12.15	19,594	39,908	6
7	91.8	3.00	8.00	13.00	19.00	3.56	17,160	111.3	5.00	6.00	18.00	12.15	16,260	33,420	7
8	91.8	3.00	8.00	13.00	19.00	3.56	8,064	111.3	5.00	6.00	18.00	12.15	6,708	14,772	8
9	91.8	3.00	8.00	13.00	19.00	3.56	4,891	111.3	5.00	6.00	18.00	12.15	4,863	9,754	9
10	51.1	3.00	8.00	13.00	19.00	3.56	4,207	38.2	5.00	6.00	18.00	12.15	4,214	8,421	10
11			8.00	13.00	19.00	3.56	3,673			6.00	18.00	12.15	3,585	7,258	11
12				13.00	19.00	3.56	2,735				18.00	12.15	2,040	4,775	12
13	51.1	3.00			19.00	3.56	1,451	38.2	5.00			12.15	655	2,106	13
14			8.00			3.56	591			6.00			229	820	14
15				13.00			664				18.00		688	1,352	15
16					19.00		971					12.15	464	1,435	16
17						3.56	182							182	17
18	27.7	3.00					83	34.6	5.00				173	256	18
19			8.00				222			6.00			208	429	19
20				13.00			360				18.00		623	983	20
21					19.00		526					12.15	420	947	21
22						3.56	99							99	22
23	27.7	3.00					83	34.6	5.00				173	256	23
24			8.00				222			6.00			208	429	24
25				13.00			360				18.00		623	983	25
26					19.00		526					12.15	420	947	26
27						3.56	99							99	27
28															28
29															29

Appendix F-20(2)-9 Cost by operation year(Silviculture Dolj County)

Operation year	F9 Damage Grade Strong						F9 Damage Grade Moderate						F9 US\$	Operation year		
	Unit Cost	Operation Area (ha)					Unit Cost	Operation Area (ha)								
3	828.1	20.00												16,562	3	
4	668.9	20.00	35.00					42,362	493.4	10.00			4,934	47,296	4	
5	242.7	20.00	35.00	60.00				77,952	279.4	10.00	19.00		12,169	90,120	5	
6			35.00	60.00	115.10			143,943			19.00	44.00		27,018	170,961	6
7	91.4	20.00		60.00	115.10			93,380	91.4	10.00		44.00	54.60	40,147	133,528	7
8			35.00		115.10			31,134			19.00		54.60	16,992	48,126	8
9				60.00				5,484				44.00		4,022	9,506	9
10					115.10			10,520					54.60	4,990	15,511	10
11	91.4	20.00						1,828	91.4	10.00				914	2,742	11
12			35.00					3,199			19.00			1,737	4,936	12
13				60.00				5,484				44.00		4,022	9,506	13
14					115.10			10,520					54.60	4,990	15,511	14
15																15
16																16
17																17
18																18
19																19
20																20
21																21
22																22
23																23
24																24
25																25
26																26
27																27
28																28
29																29

Appendix F-20(2)-10 Cost by operation year(Silviculture Dolj County)

Operation year	F10 Damage Grade Strong						F10 Damage Grade Moderate						F10 US\$	Operation year		
	Unit Cost	Operation Area (ha)					Unit Cost	Operation Area (ha)								
3	828.1	10.00												8,281	3	
4	668.9	10.00	24.00					26,563	342.0	4.00			1,368	27,931	4	
5	242.7	10.00	24.00	58.00				66,510	168.9	4.00	8.00		3,412	69,922	5	
6			24.00	58.00	82.30			112,774			8.00	13.00	5,797	118,571	6	
7	91.4	10.00		58.00	82.30			70,041	91.4	4.00		13.00	6.85	4,904	74,945	7
8			24.00		82.30			22,168			8.00		6.85	1,888	24,056	8
9				58.00				5,301				13.00		1,188	6,489	9
10					82.30			7,522					6.85	626	8,148	10
11	91.4	10.00						914	91.4	4.00				366	1,280	11
12			24.00					2,194			8.00			731	2,925	12
13				58.00				5,301				13.00		1,188	6,489	13
14					82.30			7,522					6.85	626	8,148	14
15																15
16																16
17																17
18																18
19																19
20																20
21																21
22																22
23																23
24																24
25																25
26																26
27																27
28																28
29																29

Appendix F-20(2)-11 Cost by operation year(Silviculture Dolj County)

Operation year	F11 Damage Grade Moderate							Cost (US\$)	F11 US\$	Operation year
	Unit Cost	Operation Area (ha)								
3									3	
4	431.6								4	
5	126.3			1.80			152	152	5	
6	67.3			1.80			777	777	6	
7	55.6			1.80			227	227	7	
8	55.6			1.80			121	121	8	
9	55.6			1.80			100	100	9	
10	19.1			1.80			100	100	10	
11				1.80			100	100	11	
12				1.80			34	34	12	
13	19.1								13	
14									14	
15				1.80			34	34	15	
16									16	
17									17	
18	17.2								18	
19									19	
20				1.80			31	31	20	
21									21	
22									22	
23	17.2								23	
24									24	
25				1.80			31	31	25	
26									26	
27									27	
28									28	
29									29	

Appendix F-20(2)-12 Cost by operation year(Silviculture Dolj County)

Operation year	F12 Damage Grade Strong							Cost (US\$)	F12 US\$	Operation year
	Unit Cost	Operation Area (ha)								
3	554.8								3	
4	597.9								4	
5	182.8			2.50			1,387	1,387	5	
6	107.7			2.50			1,495	1,495	6	
7	91.8			2.50			457	457	7	
8	91.8			2.50			268	268	8	
9	91.8			2.50			230	230	9	
10	51.1			2.50			230	230	10	
11				2.50			230	230	11	
12				2.50			128	128	12	
13	51.1								13	
14									14	
15				2.50			128	128	15	
16									16	
17									17	
18	27.7								18	
19									19	
20				2.50			69	69	20	
21									21	
22									22	
23	27.7								23	
24									24	
25				2.50			69	69	25	
26									26	
27									27	
28									28	
29									29	

Appendix F-20(2)-13 Cost by operation year(Silviculture Dolj County)

Operation year	F13 Damage Grade Strong							F13 Damage Grade Moderate							Cost (US\$)	F13 US\$	Operation year
	Unit Cost	Operation Area (ha)						Unit Cost	Operation Area (ha)								
3	828.1							828.1								3	
4	928.1							359.1								4	
5	291.3							168.4								5	
6	165.8				17.10			14,161	118.9						14,161	6	
7	118.9				17.10			15,871	46.9			8.20		6,790	22,661	7	
8	118.9				17.10			4,981				8.20		2,945	7,926	8	
9	118.9				17.10			2,835				8.20		1,381	4,216	9	
10	76.4				17.10			2,033	57.5			8.20		975	3,008	10	
11					17.10			2,033				8.20		365	2,418	11	
12					17.10			2,033							2,033	12	
13	76.4				17.10			1,306							1,306	13	
14												8.20		472	472	14	
15																15	
16					17.10			1306							1,306	16	
17																17	
18	43.0															18	
19																19	
20																20	
21					17.10			735							735	21	
22																22	
23	43.0															23	
24																24	
25																25	
26					17.10			735							735	26	
27																27	
28																28	
29																29	

Appendix F-21(1) Cost by operation year(Drainage and Infiltration Works,Damaged Forest)

Damaged Forest						
Olt County		Dolj County		Total		
Operation year	Operation Area ha	Cost US\$	Operation Area ha	Cost US\$	Operation Area ha	Cost US\$
3						
4	448.10	2,948	383.13	2,521	831.23	5,469
5	1,500.00	9,870	1,500.00	9,870	3,000.00	19,740
6			1,500.00	9,870	1,500.00	9,870
Total	1,948.10	12,818	3,383.13	22,261	5,331.23	35,079

Appendix F-21(2) Cost by operation year(Drainage and Infiltration Works,Prevention Forest)

Prevention Forest						
Olt County		Dolj County		Total		
Operation year	Operation Area ha	Cost US\$	Operation Area ha	Cost US\$	Operation Area ha	Cost US\$
3						
4	722.00	4,751	1,374.80	9,046	2,096.80	13,797
5	1,051.90	6,922	1,116.90	7,349	2,168.80	14,271
6						
Total	1,773.90	11,672	2,491.70	16,395	4,265.60	28,068

Appendix F-22(1) Reforestation Cost per ha. Forest mantle replantation

(*Robinia pseudoacacia*, *Gladi*, *Elaeag*.)

Operations	Unit	Quantity	Labor			Materials			Machinery
			Productivity	Cost/unit	Cost	Quantity	Price	Cost	Contract
			Man/ha	US\$	US\$		US\$	US\$	US\$
Tilling by minibackhoe	ha	0.50	6.7	63.80	31.9	320	0.39	124.8	
Marking terrain planting	1000Point	10.000	10.0	4.21	42.1				
Seedling transport	km	100	10.7	0.45	45.0	20	0.39	7.8	
Prepare seedling store	m	20	0.2	0.04	0.8				
Temporary storage	1000plant	10.000	0.2	0.08	0.8				
Planting	1000plant	10.000	33.3	14.03	140.3				
<i>Robinia pseudoacacia</i>	1000plant					2.500	13.5	33.8	
<i>Gladitschia triacanthos</i>	1000plant					5.000	17.0	85.0	
<i>Elaeagnus angustifolia</i>	1000plant					2.500	17.8	44.5	
Revising plantation	1000plant	0.200	4.1	86.5	17.3				
Hoeing first year (1')	times/Liter	1	7.1	30.50	30.5	37.5	0.51	19.1	
Same (2')	times/Liter	1	5.7	24.40	24.4	30.0	0.51	15.3	
Blanking up (40%)	1000plant	4.000	38.4	40.4	161.6				
<i>Robinia pseudoacacia</i>	1000plant					1.000	13.5	13.5	
<i>Gladitschia triacanthos</i>	1000plant					2.000	17.0	34.0	
<i>Elaeagnus angustifolia</i>	1000plant					1.000	17.8	17.8	
Hoeing next year(1')	times/Liter	1	7.1	30.50	30.5	37.5	0.51	19.1	
Hoeing next year(2')	times/Liter	1	5.7	24.40	24.4	30.0	0.51	15.3	
Salvage cutting, Clearing (4th,8th)	times	2	51.8	109.00	218.0				
Stacking stems (4th,8th)	pils	20	10.3	2.16	43.2				
Subtotal			184.5		810.8			430	0.0
Insurances quota		1.40			1,135.1				
Total					1,565.1				

Appendix F-22(2) Silvicultural System for Forest Mantle Replantation

For Forest mantle replantation

Plantation of *Robinia*, *Gladi*, *Elaeag*, *Crataeg*.

Operations	Ages	0	1	1	2		4		8	total
Preparation soil		1								
Plantation			1							
Revising plantation					1					
Hoeing				2	2					
Blanking up					1					
Weed control										
Salvage cutting							1		(1)	
Clearing							(1)		1	
Costs	Labor	31.9	229.0	54.9	233.8		130.6		130.6	778.9
Insurances quota	1.40	44.7	320.6	76.9	327.3		182.8		182.8	1,135.1
	Materials	124.8	171.1	34.4	99.7					305.2
	Machinery									0.0
Total cost	US\$	169.5	491.7	111.3	427.0		182.8		182.8	1,565.1

Appendix F-23 Improvement of Forest Roads

Item	Unit	Remarks
Operation Volume (Bulldozer 11t)	$Q=10E(11D+8)$ m^3/h	53.08 E=0.55, D=0.15
Total length	km	77
Road width	m	2.75
Subbase thickness	m	0.15
Roadbed volume	m^3	31762.5
Total productive machine hour	h	598.4
Productive machine hour by day	h	5.0
Productive machine day	d	119.7
Unit cost of roadbed	US\$/ m^3	6.90 Include transport fee
Rental charge for bulldozer	US\$/d/bull	400 Include labour fee
Sub Total(Roadbed)	US\$	219,052
Sub Total(Bulldozer)	US\$	47,871
Total	US\$	266,923

Appendix F-24 Total Cost for General Arboretum

Operations		Unit	Quantity	Unit Cost	Cost	Note
Planting	Cutting	ha	25.3	90	2,277	
	Stumpage/Soil Preparation	ha	25.3	845	21,379	
	Planting	ha	12	572	6,864	
	Tending	ha	12	1604	19,248	
	Thinning	ha	12	204	2,448	
Sub Total					52,216	
Main paths	Tamping	m ²	2,300	1	2,300	
	Roadbed	m ³	460	3.5	1,610	
	Wood fence	Pieces	2,300	1.5	3,450	
Sub Total					7,360	
Branch paths	Tamping	m ²	4,900	1	4,900	
	Wood fence	Pieces	4,900	1.5	7,350	
Sub Total					12,250	
Information board	Digging	Pieces	180	1.5	270	
	Board	Pieces	90	50	4,500	
Sub Total					4,770	
Small arbor	Plop	Pieces	8	100	800	
	Roof	Pieces	8	450	3,600	
Sub Total					4,400	
Car parks	Grading	m ²	8,000	2	16,000	
	Tamping	m ²	8,000	1	8,000	
	Roadbed	m ³	800	3	2,400	
Sub Total					26,400	
Turfed gardens	Turfe	m ²	12,000	0.2	2,400	
	Fertilizing	kg	180	1	180	10years
	Brush cutting	year	30	120	3,600	10years
	Lawn mower		2	300	600	
Sub Total					6,780	
Repair cost					1140	
Total					115,316	

Appendix F-25(1) Total cost for Forestry Work Demonstration Forest

Ocol: Bals [142 B]

1.30 ha Damaged Grade: Moderate Artificial Forest Work

	Unit	Quantity	Cost/Unit	Cost US\$	Note
Cruising	ha	1.30	16.98	22	$845 \times 20.1\$ / 1000 = 16.98\$$
Cutting, Bucking, yarding	m ³	60.19	1.99	120	$92.6\text{m}^3 \times 1.3\text{ha} \times 50\% = 60.19\text{m}^3$
Silvicultural, Tending	ha	1.30	2,005.40	2,607	Detail : F-25(2)
Drainage and Infiltration Work	ha	0.65	6.58	4	
Information Board	pieces	1	500.00	500	
Total				3,253	

Ocol: Bals [157 E]

2.40 ha Damaged Grade: Moderate Natural forest Work

	Unit	Quantity	Cost/Unit	Cost US\$	Note
Cruising	ha	2.40	10.98	26	$546 \times 20.1\$ / 1000 = 10.98\$$
Cutting, Bucking, yarding	m ³	28.75	1.99	57	$143.76\text{m}^3 \times 20\% = 28.75\text{m}^3$
Drainage and Infiltration Work	ha	2.40	26.32	63	$6.58\$ \times 4 = 26.32\$$
Information Board	pieces	1	500.00	500	
Total				647	

Ocol: Craiova [145 A-1]

5.10 ha Damaged Grade: Strong Natural forest Work

	Unit	Quantity	Cost/Unit	Cost US\$	Note
Cruising	ha	5.10	25.01	128	$1244 \times 20.1\$ / 1000 = 25.01\$$
Cutting (Cleaning)	ha	5.10	7.53	38	$136.4\text{m}^3 \times 10\% \times 0.522\$ = 7.53\$/\text{ha}$
Drainage and Infiltration Work	ha	5.10	26.32	134	$6.58\$ \times 4 = 26.32\$$
Information Board	pieces	1	500.00	500	
Total				800	

Ocol: Craiova [145 A-2]

4.40 ha Damaged Grade: Strong Artificial Forest Work

	Unit	Quantity	Cost/Unit	Cost US\$	Note
Cruising	ha	2.20	25.01	55	$1244 \times 20.1\$ / 1000 = 25.01\$$
Cutting, Bucking, yarding	m ³	300.08	1.99	597	$136.40\text{m}^3 \times 4.40\text{ha} \times 50\% = 300.08\text{m}^3$
Silvicultural, Tending	ha	4.40	1,885.00	8,294	Reforestation Cost F5 moderate
Drainage and Infiltration Work	ha	2.20	6.58	14	
Information Board	pieces	1	500.00	500	
Total				9,461	

Ocol: Craiova [145 A-3]

9.70 ha Damaged Grade: Strong Artificial Forest Work

	Unit	Quantity	Cost/Unit	Cost US\$	Note
Cruising	ha	9.70	25.01	243	$1244 \times 20.1\$ / 1000 = 25.01\$$
Cutting, Bucking, yarding	m ³	1323.08	1.99	2,633	$136.40\text{m}^3 \times 9.70\text{ha} = 1323.08\text{m}^3$
Silvicultural, Tending	ha	2.50	1,885.00	4,713	Reforestation cost F5 strong
Silvicultural, Tending	ha	2.40	1,871.90	4,493	Reforestation cost F6 strong
Silvicultural, Tending	ha	2.40	1,894.00	4,546	Reforestation cost F7 strong
Silvicultural, Tending	ha	2.40	1,892.50	4,542	Reforestation cost F8 strong
Information Board	pieces	4	500.00	2,000	
Total				21,168	

Total(OLT and DOLJ)

Place	Working Method	Area ha	Direct Cost US\$	Include Indirect Cost US\$
Ocol: Bals [142 B]	Artificial Forest Work	1.30	3,253	3,741
Ocol: Bals [157 E]	Natural forest Work	2.40	647	744
Olj County Total		3.70	3900	4,485
Ocol: Craiova [145 A-1]	Natural forest Work	5.10	800	920
Ocol: Craiova [145 A-2]	Artificial Forest Work	4.40	9,461	10,880
Ocol: Craiova [145 A-3]	Artificial Forest Work	9.70	21,168	24,343
Dolj County Total		19.20	31,429	36,143
Total		22.90	35,329	40,628

Appendix F-25(2) Reforestation Cost per ha.

For Forestry Work Demonstration Forest, Bals (F6)
Quercus spp. forest (*Q.frainetto*, *Q.cerris*, Others)

Operations	Unit	Quantity	Labor			Materials			Machinery
			Productivity	Cost/unit	Cost	Quantity	Price	Cost	Contract
			Man/ha	US\$	US\$		US\$	US\$	US\$
Tilling by minibackhoe	ha /Liter	0.5	6.7	63.80	31.9	320	0.39	124.8	
Marking terrain planting	1000Point	6.250	6.3	4.21	26.3				
Seedling transport	km/Liter	100	10.7	0.45	45.0	20	0.39	7.8	
Prepare seedling store	m	20	0.2	0.04	0.8				
Temporary storage	1000plant	6.250	0.1	0.08	0.5				
Planting	1000plant	6.250	86.4	58.20	363.8				
<i>Quercus frainetto</i>	1000plant					0.833	20.5	17.1	
<i>Quercus cerris</i>	1000plant					2.917	15.3	44.6	
<i>Pyrus pyrastrer</i>	1000plant					0.417	20.0	8.3	
Others	1000plant					2.083	15.0	31.2	
Mulching (plastic film)	1000plant/km	3.750	7.5	8.42	31.6	2.250	62.0	139.5	
Revising plantation	1000plant	0.094	1.9	86.50	8.1				
Cutting seedling stems	1000plant	6.250	2.5	1.69	10.6				
Hoeing first year (1')	times/Liter	1	7.1	30.50	30.5	37.5	0.51	19.1	
Same (2')	times/Liter	1	5.7	24.40	24.4	30.0	0.51	15.3	
Blanking up (5%)	1000plant	0.312	3.0	40.40	12.6				
<i>Q.frainetto</i>	1000plant					0.062	20.5	1.3	
<i>Q.cerris</i>	1000plant					0.250	15.3	3.8	
Hoeing next year(1')	times/Liter	5	35.4	30.50	152.5	187.5	0.51	95.6	
Hoeing next year(2')	times/Liter	5	28.3	24.40	122.0	150.0	0.51	76.5	
Weed control	times	3	11.9	16.70	50.1				
Salvage cutting (7th,10th)	times	2	13.0	27.27	54.5				
Marking for clearing	times	2	0.4	0.88	1.8				
Clearing (15th,20th)	times	2	8.4	17.77	35.5				
Stacking stems	pils	6	2.9	2.02	12.1				
Subtotal					1014.6			585	0
Insurances quota		1.40			1420.4				
Total					2005.4				

Appendix F-26(1) Silvicultural system For strong damaged stand of *Quercus frainetto* IV F5

Plantation of *Q. frainetto*

Operations	Ages	0	1	1	2	3	4	5	6	7	10	15	20	total
Soil Preparation		1												
Plantation			1											
Revising plantation					1									
Hoeing				2	2	2	2	2	2					
Weed control				1	1	1								
Blanking up					1									
Cutting seedling stems					1									
Salvage cutting										1	1			
Clearing												1	1	
Costs	Labor		295.8	51.6	96.2	51.6	40.6	40.6	40.6	36.5	36.5	19.8	19.8	729.6
Insurances quota	1.40		414.1	72.2	134.7	72.2	56.8	56.8	56.8	51.1	51.1	27.7	27.7	1,021.4
	Materials		82.5	35.0	51.3	35.0	35.0	35.0	35.0					308.8
	Machinery	554.8												554.8
Total cost	US\$	554.8	496.6	107.2	186.0	107.2	91.8	91.8	91.8	51.1	51.1	27.7	27.7	1,885.0

Appendix F-26(2) Silvicultural system For moderate damaged stand of *Quercus frainetto* IV F5

Plantation of *Q. frainetto*

Operations	Ages	0	1	1	2	3	4	5	6	7	10	15	20	total
Soil preparation		1												
Plantation			1											
Revising plantation					1									
Hoeing				2	2	2	2	2	2					
Weed control				1	1	1								
Blanking up					1									
Cutting seedling stems					1									
Salvage cutting										1	1			
Clearing												1	1	
Costs	Labor	31.9	436.4	71.6	140.8	71.6	54.9	54.9	54.9	27.3	27.3	24.7	24.7	1,021.0
Insurances quota	1.40	44.7	611.0	100.2	197.1	100.2	76.9	76.9	76.9	38.2	38.2	34.6	34.6	1,429.4
	Materials	124.8	124.4	34.4	60.1	34.4	34.4	34.4	34.4					481.3
	Machinery	0												0.0
Total cost	US\$	169.5	735.4	134.6	257.2	134.6	111.3	111.3	111.3	38.2	38.2	34.6	34.6	1,910.7

Appendix F-26(3) Silvicultural system For strong damaged stand of *Quercus frainetti, Q. cerris* III F6

Plantation of *Q. frainetto, Q. cerris*

Operations	Ages	0	1	1	2	3	4	5	6	7	10	15	20	total
Soil preparation		1												
Plantation			1											
Revising plantation					1									
Hoeing				2	2	2	2	2	2					
Weed control				1	1	1								
Blanking up					1									
Cutting seedling stems					1									
Salvage cutting										1	1			
Clearing												1	1	
Costs	Labor		295.8	51.6	96.2	51.6	40.6	40.6	40.6	36.5	36.5	19.8	19.8	729.6
Insurances quota	1.40		414.1	72.2	134.7	72.2	56.8	56.8	56.8	51.1	51.1	27.7	27.7	1,021.4
	Materials		72.6	35.0	48.1	35.0	35.0	35.0	35.0					295.7
	Machinery	554.8												554.8
Total cost	US\$	554.8	486.7	107.2	182.8	107.2	91.8	91.8	91.8	51.1	51.1	27.7	27.7	1,871.9

Appendix F-26(4) Silvicultural system For moderate damaged stand of *Quercus frainetto*, *Q. cerris*. III F6
Plantation of *Q. frainetto*, *Q. cerris*

Operations	Ages	0	1	1	2	3	4	5	6	7	10	15	20	total
Soil preparation		1												
Plantation			1											
Revising plantation					1									
Hoeing				2	2	2	2	2	2					
Weed control				1	1	1								
Blanking up					1									
Cutting seedling stems					1									
Salvage cutting										1	1			
Clearing												1	1	
Costs	Labor	31.9	436.4	71.6	140.8	71.6	54.9	54.9	54.9	27.3	27.3	24.7	24.7	1,021.0
Insurances quota	1.40	44.7	611.0	100.2	197.1	100.2	76.9	76.9	76.9	38.2	38.2	34.6	34.6	1,429.4
	Materials	124.8	109.1	34.4	54.8	34.4	34.4	34.4	34.4					460.7
	Machinery	0												0.0
Total cost	US\$	169.5	720.1	134.6	251.9	134.6	111.3	111.3	111.3	38.2	38.2	34.6	34.6	1,890.1

Appendix F-26(5) Silvicultural system For strong damaged stand of *Quercus* spp. II F7
Plantation of *Q. robur*, *Q. petraea*, *Q. cerris*

Operations	Ages	0	1	1	2	3	4	5	6	7	10	15	20	total
Soil preparation		1												
Plantation			1											
Revising plantation					1									
Hoeing				2	2	2	2	2	2					
Weed control				1	1	1								
Blanking up					1									
Cutting seedling stems					1									
Salvage cutting										1	1			
Clearing												1	1	
Costs	Labor		295.8	51.6	96.2	51.6	40.6	40.6	40.6	36.5	36.5	19.8	19.8	729.6
Insurances quota	1.40		414.1	72.2	134.7	72.2	56.8	56.8	56.8	51.1	51.1	27.7	27.7	1,021.4
	Materials		94.3	35.0	48.5	35.0	35.0	35.0	35.0					317.8
	Machinery	554.8												554.8
Total cost	US\$	554.8	508.4	107.2	183.2	107.2	91.8	91.8	91.8	51.1	51.1	27.7	27.7	1,894.0

Appendix F-26(6) Silvicultural system For moderate damaged stand of *Quercus* spp. II F7
Plantation of *Q. robur*, *Q. petraea*, *Q. cerris*

Operations	Ages	0	1	1	2	3	4	5	6	7	10	15	20	total
Soil preparation		1												
Plantation			1											
Revising plantation					1									
Hoeing				2	2	2	2	2	2					
Weed control				1	1	1								
Blanking up					1									
Cutting seedling stems					1									
Salvage cutting										1	1			
Clearing												1	1	
Costs	Labor	31.9	436.4	71.6	140.8	71.6	54.9	54.9	54.9	27.3	27.3	24.7	24.7	1,021.0
Insurances quota	1.40	44.7	611.0	100.2	197.1	100.2	76.9	76.9	76.9	38.2	38.2	34.6	34.6	1,429.4
	Materials	124.8	108.2	34.4	55.6	34.4	34.4	34.4	34.4					460.6
	Machinery	0												0.0
Total cost	US\$	169.5	719.2	134.6	252.7	134.6	111.3	111.3	111.3	38.2	38.2	34.6	34.6	1,890.0

Appendix F-26(7) Silvicultural system For strong damaged stand of *Quercus* mixed IF8

Plantation of *Q. robur*, *Q. petraea*, *Fraxinus excelsior*

Operations	Ages	0	1	1	2	3	4	5	6	7	10	15	20	total
Soil preparation		1												
Plantation			1											
Revising plantation					1									
Hoeing				2	2	2	2	2	2					
Weed control				1	1	1								
Blanking up					1									
Cutting seedling stems					1									
Salvage cutting										1	1			
Clearing												1	1	
Costs	Labor		295.8	51.6	96.2	51.6	40.6	40.6	40.6	36.5	36.5	19.8	19.8	729.6
Insurances quota	1.40		414.1	72.2	134.7	72.2	56.8	56.8	56.8	51.1	51.1	27.7	27.7	1,021.4
	Materials		93.2	35.0	48.1	35.0	35.0	35.0	35.0					316.3
	Machinery	554.8												554.8
Total cost	US\$	554.8	507.3	107.2	182.8	107.2	91.8	91.8	91.8	51.1	51.1	27.7	27.7	1,892.5

Appendix F-26(8) Silvicultural system For moderate damaged stand of *Quercus* mixed IF8

Plantation of *Q. robur*, *Q. petraea*, *Fraxinus excelsior*

Operations	Ages	0	1	1	2	3	4	5	6	7	10	15	20	total
Soil preparation		1												
Plantation			1											
Revising plantation					1									
Hoeing				2	2	2	2	2	2					
Weed control				1	1	1								
Blanking up					1									
Cutting seedling stems					1									
Salvage cutting										1	1			
Clearing												1	1	
Costs	Labor	31.9	436.4	71.6	140.8	71.6	54.9	54.9	54.9	27.3	27.3	24.7	24.7	1,020.9
Insurances quota	1.40	44.7	611.0	100.2	197.1	100.2	76.9	76.9	76.9	38.2	38.2	34.6	34.6	1,429.3
	Materials	124.8	107.2	34.4	54.8	34.4	34.4	34.4	34.4					458.8
	Machinery	0												0.0
Total cost	US\$	169.5	718.2	134.6	251.9	134.6	111.3	111.3	111.3	38.2	38.2	34.6	34.6	1,888.1

Appendix F-26(9) Silvicultural system For strong damaged stand of *Robinia pseudoacacia* F9 Str. F10 Str.

Plantation of *Robinia pseudoacacia*, *Gladitschia triacanthos*, *Elaeagnus angustifolia*

Operations	Ages	0	1	1	2	4	8	total
Soil preparation		1						
Plantation			1					
Revising plantation					1			
Hoeing				2	2			
Blanking up					1			
Weed control								
Salvage cutting						1	(1)	
Clearing						(1)	1	
Costs	Labor		358.2	44.1	133.6		65.3	666.5
Insurances quota	1.40		501.5	61.7	187.0		91.4	933.1
	Materials		78.2	27.5	55.7			161.4
	Machinery	828.1						828.1
Total cost	US\$	828.1	579.7	89.2	242.7		91.4	1,922.6

Appendix F-26(10) Silvicultural system For moderate damaged stand of *Robinia pseudoacacia*, Above 20 years F9
Plantation of *Robinia pseudoacacia*, 50%

Operations	Ages	0	1	1	2		4		8	total
Soil preparation										
Plantation			1							
Revising plantation					1					
Hoeing				2	2					
Weed control				1						
Blanking up					1					
Cutting seedling stems					1					
Salvage cutting							1		(1)	
Clearing							(1)			1
Costs	Labor		196.8	110.7	189.9		65.3		65.3	628.0
Insurances quota	1.40		275.5	155.0	265.9		91.4		91.4	879.2
	Materials		62.9		13.5					76.4
	Machinery									0
Total cost	US\$		338.4	155.0	279.4		91.4		91.4	955.6

Appendix F-26(11) Silvicultural system For moderate damaged stand of *Robinia pseudoacacia*, under 20 years F10
Plantation of *Robinia pseudoacacia*, 20%

Operations	Ages	0	1	1	2		4		8	total
Soil preparation										
Plantation			1							
Revising plantation					1					
Hoeing				2	2					
Weed control				1						
Blanking up					1					
Cutting seedling stems					1					
Salvage cutting							1		(1)	
Clearing							(1)			1
Costs	Labor		99.3	114.6	116.8		65.3		65.3	461.3
Insurances quota	1.40		139.0	160.4	163.5		91.4		91.4	645.8
	Materials		42.6		5.4					48.0
	Machinery									0
Total cost	US\$		181.6	160.4	168.9		91.4		91.4	693.8

Appendix F-26(12) Silvicultural system For strong damaged stand of *Robinia pseudoacacia* F11
Plantation of *Q.frainetto*, *Q.cerris*

Operations	Ages	0	1	1	2	3	4	5	6	7	10	15	20	total
Soil preparation			1											
Plantation				1										
Revising plantation					1									
Hoeing					2	2	2	2	2	2				
Weed control					1	1	1							
Blanking up						1								
Cutting seedling stems						1								
Salvage cutting											1	1		
Clearing													1	1
Costs	Labor		295.8	51.6	96.2	51.6	40.6	40.6	40.6	36.5	36.5	19.8	19.8	729.6
Insurances quota	1.40		414.1	72.2	134.7	72.2	56.8	56.8	56.8	51.1	51.1	27.7	27.7	1,021.4
	Materials		76.6	35.0	48.1	35.0	35.0	35.0	35.0					299.7
	Machinery	554.8												554.8
Total cost	US\$	554.8	490.7	107.2	182.8	107.2	91.8	91.8	91.8	51.1	51.1	27.7	27.7	1,875.9

Appendix F-26(13) Silvicultural system For moderate damaged stand of *Robinia pseudoacacia* F11
 Plantation of *Q. frainetto*, *Q. cerris*

Operations	Ages	0	1	1	2	3	4	5	6	7	10	15	20	total
Soil preparation		1												
Plantation			1											
Revising plantation					1									
Hoeing				2	2	2	2	2	2					
Weed control				1	1	1								
Blanking up					1									
Cutting seedling stems					1									
Salvage cutting										1	1			
Clearing												1	1	
Costs	Labor	15.9	218.2	35.8	70.5	35.8	27.5	27.5	27.5	13.6	13.6	12.3	12.3	510.4
Insurances quota	1.40	22.3	305.5	50.1	98.7	50.1	38.4	38.4	38.4	19.1	19.1	17.2	17.2	714.6
	Materials	62.4	58.8	17.2	27.6	17.2	17.2	17.2	17.2					234.8
	Machinery	0												0
Total cost	US\$	84.7	364.3	67.3	126.3	67.3	55.6	55.6	55.6	19.1	19.1	17.2	17.2	949.4

Appendix F-26(14) Silvicultural system For strong damaged stand of *Populus* spp. F13
 Plantation of *Q. robur*, *Fraxinus excelsior*, *Tilia platyphyllos*

Operations	Ages	0	1	1	2	3	4	5	6	7	10	15	20	total
Soil preparation		1												
Plantation			1											
Revising plantation					1									
Hoeing				2	2	2	2	2	2					
Weed control				1	1	1								
Blanking up					1									
Cutting seedling stems					1									
Salvage cutting										1	1			
Clearing												1	1	
Costs	Labor		462.4	92.2	166.1	92.2	58.7	58.7	58.7	54.6	54.6	30.7	30.7	1,159.6
Insurances quota	1.40		647.4	129.1	232.5	129.1	82.2	82.2	82.2	76.4	76.4	43.0	43.0	1,623.4
	Materials		114.9	36.7	58.8	36.7	36.7	36.7	36.7					357.2
	Machinery	828.1												828.1
Total cost	US\$	828.1	762.3	165.8	291.3	165.8	118.9	118.9	118.9	76.4	76.4	43.0	43.0	2,808.7

Appendix F-26(15) Silvicultural system For moderate damaged stand of *Populus* spp. F13
 Plantation of *Populus alba*

Operations	Ages	0	1	1	2	3	4		7	total
Soil preparation		1								
Plantation			1							
Revising plantation				1						
Hoeing				2	2	2				
Cutting buds				1	1					
Blanking up					1					
Weed control							1			
Pruning									1	
Costs	Labor		44.0	75.6	72.2	58.7	33.5		41.1	325.1
Insurances quota	1.40		61.6	105.8	101.1	82.2	46.9		57.5	455.1
	Materials		155.0	36.7	67.3	36.7				295.7
	Machinery	828.1								828.1
Total cost	US\$	828.1	216.6	142.5	168.4	118.9	46.9		57.5	1,578.9

Appendix F-27(1) Reforestation Cost per ha.

For strong damaged stand IV F5
Quercus spp. forest (*Q.frainetto*)

Operations	Unit	Quantity	Labor			Materials			Machinery
			Productivity Man/ha	Cost/unit US\$	Cost US\$	Quantity	Price US\$	Cost US\$	Contract US\$
Stumpage removal	ha	0.67		760.5					509.5
Stumpage gathering	ha	0.67		inc.a					
Soil preparation	ha	0.67		inc.a					
Scarifying	ha	0.67		inc.a					
Ploughing	ha	0.67		45.1					30.2
Disk harrowing	ha	0.67		22.5					15.1
Marking terrain planting	1000Point	4.002	4.0	4.21	16.8				
Seedling transport	km/Liter	100	10.7	0.45	45.0	20	0.39	7.8	
Prepare seedling store	m	20	0.2	0.039	0.8				
Temporary storage	1000plant	4.002	0.1	0.077	0.3				
Planting	1000plant	4.002	55.3	58.2	232.9				
<i>Quercus frainetto</i>	1000plant					2.668	20.5	54.7	
Others	1000plant					1.334	15.0	20.0	
Revising plantation	1000plant	0.060	1.2	86.5	5.2				
Cutting seedling stems	1000plant	4.002	1.6	1.69	6.8				
Hoeing first year (1)	times/Liter	1	5.3	22.56	22.6	38.1	0.51	19.4	
Same (2)	times/Liter	1	4.3	18.04	18.0	30.5	0.51	15.6	
Blanking up (20%)	1000plant	0.800	7.7	40.4	32.3				
<i>Q.frainetto</i>	1000plant					0.800	20.5	16.4	
Hoeing next year(1)	times/Liter	5	26.6	22.56	112.8	190.5	0.51	97.2	
Hoeing next year(2)	times/Liter	5	21.3	18.04	90.2	152.5	0.51	77.8	
Weed control	times	3	7.9	11.05	33.2				
Salvage cutting (7th,10th)	times	2	17.4	36.53	73.1				
Marking for clearing	times	2	0.3	0.63	1.3				
Clearing (15th,20th)	times	2	6.0	12.7	25.4				
Stacking stems	pils	6	3.1	2.16	13.0				
Subtotal					729.6			308.8	554.8
Insurances quota		1.40			1021.4				
Total					1885.0				

Appendix F-27(2) Reforestation Cost per ha.

For Moderate Damaged Stand IV F5
Quercus spp. forest (*Q.frainetto*)

Operations	Unit	Quantity	Labor			Materials			Machinery
			Productivity Man/ha	Cost/unit US\$	Cost US\$	Quantity	Price US\$	Cost US\$	Contract US\$
Filling by minibackhoe	ha /Liter	0.5	6.7	63.8	31.9	320	0.39	124.8	
Marking terrain planting	1000Point	6.250	6.3	4.21	26.3				
Seedling transport	km/Liter	100	10.7	0.45	45.0	20	0.39	7.8	
Prepare seedling store	m	20	0.2	0.039	0.8				
Temporary storage	1000plant	6.250	0.1	0.077	0.5				
Planting	1000plant	6.250	86.4	58.2	363.8				
<i>Quercus frainetto</i>	1000plant					4.167	20.5	85.4	
Others	1000plant					2.083	15.0	31.2	
Revising plantation	1000plant	0.094	1.9	86.5	8.1				
Cutting seedling stems	1000plant	6.250	2.5	1.69	10.6				
Hoeing first year (1)	times/Liter	1	7.1	30.5	30.5	37.5	0.51	19.1	
Same (2)	times/Liter	1	5.7	24.4	24.4	30	0.51	15.3	
Blanking up (20%)	1000plant	1.250	12.0	40.4	50.5				
<i>Q.frainetto</i>	1000plant					1.250	20.5	25.6	
Hoeing next year(1)	times/Liter	5	35.4	30.5	152.5	187.5	0.51	95.6	
Hoeing next year(2)	times/Liter	5	28.3	24.4	122.0	150	0.51	76.5	
Weed control	times	3	11.9	16.7	50.1				
Salvage cutting (7th,10th)	times	2	13.0	27.27	54.5				
Marking for clearing	times	2	0.4	0.88	1.8				
Clearing (15th,20th)	times	2	8.4	17.77	35.5				
Stacking stems	pils	6	2.9	2.02	12.1				
Subtotal					1,020.9			481.4	
Insurances quota		1.40			1,429.2				
Total					1,910.7				

Appendix F-27(3) Reforestation Cost per ha.

For strong damaged stand III F6
Quercus spp. forest (*Q.frainetto*, *Q.cerris*, Others)

Operations	Unit	Quantity	Labor			Materials			Machinery
			Productivity Man/ha	Cost/unit US\$	Cost US\$	Quantity	Price US\$	Cost US\$	Contract US\$
Stumpage removal	ha	0.67		760.5					509.5
Stumpage gathering	ha	0.67		inc.a					
Soil preparation	ha	0.67		inc.a					
Scarifying	ha	0.67		inc.a					
Ploughing	ha	0.67		45.1					30.2
Disk harrowing	ha	0.67		22.5					15.1
Marking terrain planting	1000Point	4.002	4.0	4.21	16.8				
Seedling transport	km	100	10.7	0.45	45.0	20	0.39	7.8	
Prepare seedling store	m	20	0.2	0.039	0.8				
Temporary storage	1000plant	4.002	0.1	0.077	0.3				
Planting	1000plant	4.002	55.3	58.2	232.9				
<i>Quercus frainetto</i>	1000plant					0.534	20.5	10.9	
<i>Quercus cerris</i>	1000plant					1.867	15.3	28.6	
<i>Pyrus pyraister</i>	1000plant					0.267	20.0	5.3	
Others	1000plant					1.334	15.0	20.0	
Revising plantation	1000plant	0.060	1.2	86.5	5.2				
Cutting seedling stems	1000plant	4.002	1.6	1.69	6.8				
Hoeing first year (1)	times/Liter	1	5.3	22.56	22.6	38.1	0.51	19.4	
Same (2)	times/Liter	1	4.3	18.04	18.0	30.5	0.51	15.6	
Blanking up (20%)	1000plant	0.800	7.7	40.4	32.3				
<i>Q.frainetto</i>	1000plant					0.160	20.5	3.3	
<i>Q.cerris</i>	1000plant					0.640	15.3	9.8	
Hoeing next year(1)	times/Liter	5	26.6	22.56	112.8	190.5	0.51	97.2	
Hoeing next year(2)	times/Liter	5	21.3	18.04	90.2	152.5	0.51	77.8	
Weed control	times	3	7.9	11.05	33.2				
Salvage cutting (7th,10th)	times	2	17.4	36.53	73.1				
Marking for clearing	times	2	0.3	0.63	1.3				
Clearing (15th,20th)	times	2	6.0	12.7	25.4				
Stacking stems	pils	6	3.1	2.16	13.0				
Subtotal					729.6			295.7	554.8
Insurances quota		1.40			1,021.4				
Total					1,871.9				

Appendix F-27(4) Reforestation Cost per ha.

For Moderate Damaged Stand III F6
Quercus spp. forest (*Q.frainetto*, *Q.cerris*, Others)

Operations	Unit	Quantity	Labor			Materials			Machinery
			Productivity Man/ha	Cost/unit US\$	Cost US\$	Quantity	Price US\$	Cost US\$	Contract US\$
Tilling by minibackhoe	ha /Liter	0.5	6.7	63.80	31.9	320	0.39	124.8	
Marking terrain planting	1000Point	6.250	6.3	4.21	26.3				
Seedling transport	km/Liter	100	10.7	0.45	45.0	20	0.39	7.8	
Prepare seedling store	m	20	0.2	0.04	0.8				
Temporary storage	1000plant	6.250	0.1	0.08	0.5				
Planting	1000plant	6.250	86.4	58.20	363.8				
<i>Quercus frainetto</i>	1000plant					0.833	20.5	17.1	
<i>Quercus cerris</i>	1000plant					2.917	15.3	44.6	
<i>Pyrus pyraister</i>	1000plant					0.417	20.0	8.3	
Others	1000plant					2.083	15.0	31.2	
Revising plantation	1000plant	0.094	1.9	86.50	8.1				
Cutting seedling stems	1000plant	6.250	2.5	1.69	10.6				
Hoeing first year (1)	times/Liter	1	7.1	30.50	30.5	37.5	0.51	19.1	
Same (2)	times/Liter	1	5.7	24.40	24.4	30.0	0.51	15.3	
Blanking up (20%)	1000plant	1.250	12.0	40.40	50.5				
<i>Q.frainetto</i>	1000plant					0.250	20.5	5.1	
<i>Q.cerris</i>	1000plant					1.000	15.3	15.3	
Hoeing next year(1)	times/Liter	5	35.4	30.50	152.5	187.5	0.51	95.6	
Hoeing next year(2)	times/Liter	5	28.3	24.40	122.0	150.0	0.51	76.5	
Weed control	times	3	11.9	16.70	50.1				
Salvage cutting (7th,10th)	times	2	13.0	27.27	54.5				
Marking for clearing	times	2	0.4	0.88	1.8				
Clearing (15th,20th)	times	2	8.4	17.77	35.5				
Stacking stems	pils	6	2.9	2.02	12.1				
Subtotal					1,020.9			460.9	
Insurances quota		1.40			1,429.2				
Total					1,890.1				

Appendix F-27(5) Reforestation Cost per ha.

For strong damaged stand II F7
Quercus spp. forest (*Q.robur*, Others)

Operations	Unit	Quantity	Labor			Materials			Machinery
			Productivity Man/ha	Cost/unit US\$	Cost US\$	Quantity	Price US\$	Cost US\$	Contract US\$
Stumpage removal	ha	0.67			760.5				509.5
Stumpage gathering	ha	0.67		inc.a					
Soil preparation	ha	0.67		inc.a					
Scarifying	ha	0.67		inc.a					
Ploughing	ha	0.67			45.1				30.2
Disk harrowing	ha	0.67			22.5				15.1
Marking terrain planting	1000Point	4.002	4.0	4.21	16.8				
Seedling transport	km	100	10.7	0.45	45.0	20	0.39	7.8	
Prepare seedling store	m	20	0.2	0.039	0.8				
Temporary storage	1000plant	4.002	0.1	0.077	0.3				
Planting	1000plant	4.002	55.3	58.2	232.9				
<i>Quercus robur</i>	1000plant					2.401	17.0	40.8	
<i>Quercus petraea</i> , etc	1000plant					0.801	16.8	13.5	
<i>Quercus cerris</i>	1000plant					0.800	15.3	12.2	
Others	1000plant					1.334	15.0	20.0	
Revising plantation	1000plant	0.060	1.2	86.5	5.2				
Cutting seedling stems	1000plant	4.002	1.6	1.69	6.8				
Hoeing first year (1)	times/Liter	1	5.3	22.56	22.6	38.1	0.51	19.4	
Same (2)	times/Liter	1	4.3	18.04	18.0	30.5	0.51	15.6	
Blanking up (20%)	1000plant	0.800	7.7	40.4	32.3				
<i>Quercus robur</i>	1000plant					0.480	17.0	8.2	
<i>Quercus petraea</i> , etc	1000plant					0.320	16.8	5.4	
Hoeing next year(1)	times/Liter	5	26.6	22.56	112.8	190.5	0.51	97.2	
Hoeing next year(2)	times/Liter	5	21.3	18.04	90.2	152.5	0.51	77.8	
Weed control	times	3	7.9	11.05	33.2				
Salvage cutting (7th,10th)	times	2	17.4	36.53	73.1				
Marking for clearing	times	2	0.3	0.63	1.3				
Clearing (15th,20th)	times	2	6.0	12.7	25.4				
Stacking stems	pils	6	3.1	2.16	13.0				
Subtotal					729.6			317.8	554.8
Insurances quota		1.40			1,021.4				
Total					1,891.0				

Appendix F-27(6) Reforestation Cost per ha.

For Moderate Damaged Stand II F7
Quercus spp. forest (*Q.robur*, Others)

Operations	Unit	Quantity	Labor			Materials			Machinery
			Productivity Man/ha	Cost/unit US\$	Cost US\$	Quantity	Price US\$	Cost US\$	Contract US\$
Tilling by minibackhoe	ha /Liter	0.5	6.7	63.80	31.9	320	0.39	124.8	
Marking terrain planting	1000Point	6.250	6.3	4.21	26.3				
Seedling transport	km/Liter	100	10.7	0.45	45.0	20	0.39	7.8	
Prepare seedling store	m	20	0.2	0.04	0.8				
Temporary storage	1000plant	6.250	0.1	0.08	0.5				
Planting	1000plant	6.250	86.4	58.20	363.8				
<i>Quercus robur</i>	1000plant					2.500	17.0	42.5	
<i>Quercus petraea</i> , etc	1000plant					0.834	16.8	14.0	
<i>Quercus cerris</i>	1000plant					0.833	15.3	12.7	
Others	1000plant					2.083	15.0	31.2	
Revising plantation	1000plant	0.094	1.9	86.50	8.1				
Cutting seedling stems	1000plant	6.250	2.5	1.69	10.6				
Hoeing first year (1)	times/Liter	1	7.1	30.50	30.5	37.5	0.51	19.1	
Same (2)	times/Liter	1	5.7	24.40	24.4	30.0	0.51	15.3	
Blanking up (20%)	1000plant	1.250	12.0	40.40	50.5				
<i>Quercus robur</i>	1000plant					0.750	17.0	12.8	
<i>Quercus petraea</i> , etc	1000plant					0.500	16.8	8.4	
Hoeing next year(1)	times/Liter	5	35.4	30.50	152.5	187.5	0.51	95.6	
Hoeing next year(2)	times/Liter	5	28.3	24.40	122.0	150.0	0.51	76.5	
Weed control	times	3	11.9	16.70	50.1				
Salvage cutting (7th,10th)	times	2	13.0	27.27	54.5				
Marking for clearing	times	2	0.4	0.88	1.8				
Clearing (15th,20th)	times	2	8.4	17.77	35.5				
Stacking stems	pils	6	2.9	2.02	12.1				
Subtotal					1,020.9			460.8	
Insurances quota		1.40			1,429.2				
Total					1,890.0				

Appendix F-27(7) Reforestation Cost per ha.

For strong damaged stand I F8
Quercus spp. mixed forest (*Q.robur*, *Fraxinus excelsior*, Others)

Operations	Unit	Quantity	Labor			Materials			Machinery
			Productivity Man/ha	Cost/unit US\$	Cost US\$	Quantity	Price US\$	Cost US\$	Contract US\$
Stumpage removal	ha	0.67			760.5				509.5
Stumpage gathering	ha	0.67		inc.a					
Soil preparation	ha	0.67		inc.a					
Scarifying	ha	0.67		inc.a					
Ploughing	ha	0.67			45.1				30.2
Disk harrowing	ha	0.67			22.5				15.1
Marking terrain planting	1000Point	4.002	4.0	4.21	16.8				
Seedling transport	km	100	10.7	0.45	45.0	20	0.39	7.8	
Prepare seedling store	m	20	0.2	0.039	0.8				
Temporary storage	1000plant	4.002	0.1	0.077	0.3				
Planting	1000plant	4.002	55.3	58.2	232.9				
<i>Quercus robur</i>	1000plant					2.001	17.0	34.0	
<i>Q.petraea, Q.pedunculiflora</i>	1000plant					0.800	16.8	13.4	
<i>Fraxinus excelsior</i>	1000plant					1.201	15.0	18.0	
Others	1000plant					1.334	15.0	20.0	
Revising plantation	1000plant	0.060	1.2	86.5	5.2				
Cutting seedling stems	1000plant	4.002	1.6	1.69	6.8				
Hoing first year (1)	times/Liter	1	5.3	22.56	22.6	38.1	0.51	19.4	
Same (2)	times/Liter	1	4.3	18.04	18.0	30.5	0.51	15.6	
Blanking up (20%)	1000plant	0.800	7.7	40.4	32.3				
<i>Quercus robur</i>	1000plant					0.400	17.0	6.8	
<i>Q.petraea, Q.pedunculiflora</i>	1000plant					0.160	16.8	2.7	
<i>Fraxinus excelsior</i>	1000plant					0.240	15.0	3.6	
Hoing next year(1)	times/Liter	5	26.6	22.56	112.8	190.5	0.51	97.2	
Hoing next year(2)	times/Liter	5	21.3	18.04	90.2	152.5	0.51	77.8	
Weed control	times	3	7.9	11.05	33.2				
Salvage cutting (7th,10th)	times	2	17.4	36.53	73.1				
Marking for clearing	times	2	0.3	0.63	1.3				
Clearing (15th,20th)	times	2	6.0	12.7	25.4				
Stacking stems	pils	6	3.1	2.16	13.0				
Subtotal					729.6			316.3	554.8
Insurances quota		1.40			1,021.4				
Total					1,892.5				

Appendix F-27(8) Reforestation Cost per ha.

For Moderate Damaged Stand I F8
Quercus spp. mixed forest (*Q.robur*, *Fraxinus excelsior*, Others)

Operations	Unit	Quantity	Labor			Materials			Machinery
			Productivity Man/ha	Cost/unit US\$	Cost US\$	Quantity	Price US\$	Cost US\$	Contract US\$
Tilling by minibackhoe	ha /liter	0.5	6.7	63.80	31.9	320	0.39	124.8	
Marking terrain planting	1000Point	6.250	6.3	4.21	26.3				
Seedling transport	km/Liter	100	10.7	0.45	45.0	20	0.39	7.8	
Prepare seedling store	m	20	0.2	0.04	0.8				
Temporary storage	1000plant	6.250	0.1	0.08	0.5				
Planting	1000plant	6.250	86.4	58.20	363.8				
<i>Quercus robur</i>	1000plant					2.083	17.0	35.4	
<i>Q.petraea, Q.pedunculiflora</i>	1000plant					0.834	16.8	14.0	
<i>Fraxinus excelsior</i>	1000plant					1.250	15.0	18.8	
Others	1000plant					2.083	15.0	31.2	
Revising plantation	1000plant	0.094	1.9	86.50	8.1				
Cutting seedling stems	1000plant	6.250	2.5	1.69	10.6				
Hoing first year (1)	times/Liter	1	7.1	30.50	30.5	37.5	0.51	19.1	
Same (2)	times/Liter	1	5.7	24.40	24.4	30.0	0.51	15.3	
Blanking up (20%)	1000plant	1.250	12.0	40.40	50.5				
<i>Quercus robur</i>	1000plant					0.625	17.0	10.6	
<i>Q.petraea, Q.pedunculiflora</i>	1000plant					0.250	16.8	4.2	
<i>Fraxinus excelsior</i>	1000plant					0.375	15.0	5.6	
Hoing next year(1)	times/Liter	5	35.4	30.50	152.5	187.5	0.51	95.6	
Hoing next year(2)	times/Liter	5	28.3	24.40	122.0	150.0	0.51	76.5	
Weed control	times	3	11.9	16.70	50.1				
Salvage cutting (7th,10th)	times	2	13.0	27.27	54.5				
Marking for clearing	times	2	0.4	0.88	1.8				
Clearing (15th,20th)	times	2	8.4	17.77	35.5				
Stacking stems	pils	6	2.9	2.02	12.1				
Subtotal					1,020.9			459.0	
Insurances quota		1.40			1,429.2				
Total					1,888.2				

Appendix F-27(9) Reforestation Cost per ha.

For strong damaged stand of Robinia F9 Str. F10 Str.

Robinia pseudoacacia forest (*R.pseudoacacia*, *Gladitschia triacanthos*, *Elaeagnus angustifolia*)

Operations	Unit	Quantity	Labor			Materials			Machinery
			Productivity Man/ha	Cost/unit US\$	Cost US\$	Quantity	Price US\$	Cost US\$	Contract US\$
Stumpage removal	ha	1.00		436.3					436.3
Stumpage gathering	ha	1.00		124.7					124.7
Soil preparation	ha	1.00		74.8					74.8
Scarifying	ha	1.00		124.7					124.7
Ploughing	ha	1.00		45.1					45.1
Disk harrowing	ha	1.00		22.5					22.5
Marking terrain planting	1000Point	5.000	5.0	4.21	21.1				
Seedling transport	km	100	10.7	0.45	45.0	20	0.39	7.8	
Prepare seedling store	m	10	0.1	0.039	0.4				
Temporary storage	1000plant	5.000	0.1	0.077	0.4				
Planting	1000plant	5.000	69.2	58.25	291.3				
<i>Robinia pseudoacacia</i>	1000plant					4.250	13.5	57.4	
<i>Gladitschia triacanthos</i>	1000plant					0.500	17.0	8.5	
<i>Elaeagnus angustifolia</i>	1000plant					0.250	17.8	4.5	
Revising plantation	1000plant	0.100	2.1	86.5	8.7				
Hoeing first year (1)	times/Liter	1	5.7	24.46	24.5	30.0	0.51	15.3	
Same (2)	times/Liter	1	4.5	19.57	19.6	24.0	0.51	12.2	
Blanking up (40%)	1000plant	2.000	19.2	40.4	80.8				
<i>Robinia pseudoacacia</i>	1000plant					1.700	13.5	23.0	
<i>Gladitschia triacanthos</i>	1000plant					0.200	17.0	3.4	
<i>Elaeagnus angustifolia</i>	1000plant					0.100	17.8	1.8	
Hoeing next year(1)	times/Liter	1	5.7	24.46	24.5	30.0	0.51	15.3	
Hoeing next year(2)	times/Liter	1	4.5	19.57	19.6	24.0	0.51	12.2	
Salvage cutting, Clearing (4th,8th)	times	2	25.9	54.50	109.0				
Stacking stems (4th,8th)	pils	10	5.1	2.16	21.6				
Subtotal			157.7		666.2			161.3	828.1
Insurances quota		1.40			932.7				
Total					1,922.1				

Appendix F-27(10) Reforestation Cost per ha.

For moderate damaged stand of Robinia F9

Robinia pseudoacacia forest (*R.pseudoacacia* planting 50%)

Operations	Unit	Quantity	Labor			Materials			Machinery
			Productivity Man/ha	Cost/unit US\$	Cost US\$	Quantity	Price US\$	Cost US\$	Contract US\$
Marking terrain planting	1000Point	2.500	2.5	4.21	10.5				
Seedling transport	km	100	8.1	0.34	34.0	20	0.39	7.8	
Prepare seedling store	m	5	0.1	0.052	0.3				
Temporary storage	1000plant	2.500	0.1	0.103	0.3				
Planting	1000plant	2.500	36.0	60.69	151.7	41.7	0.51	21.3	
<i>Robinia pseudoacacia</i>	1000plant					2.500	13.5	33.8	
Revising plantation	1000plant	0.050	1.0	86.5	4.3				
Hoeing first year (1)	times	1	10.0	42.00	42.0				
Same (2)	times	1	8.4	35.20	35.2				
Weed control	times	1	8.0	33.47	33.5				
Blanking up (40%)	1000plant	1.000	9.6	40.4	40.4				
<i>Robinia pseudoacacia</i>	1000plant					1.000	13.5	13.5	
Cutting seedling stems	times	1	16.2	68.03	68.0				
Hoeing first year (1)	times	1	10.0	42.00	42.0				
Same (2)	times	1	8.4	35.20	35.2				
Salvage cutting, Clearing (4th,8th)	times	2	25.9	54.50	109.0				
Stacking stems (4th,8th)	pils	10	5.1	2.16	21.6				
Subtotal			149.2		628.0			76.3	
Insurances quota		1.40			879.2				
Total					955.5				

Appendix F-27(11) Reforestation Cost per ha.

For moderate damaged stand of Robinia F10
Robinia pseudoacacia forest (*R.pseudoacacia* planting 20%)

Operations	Unit	Quantity	Labor			Materials			Machinery
			Productivity Man/ha	Cost/unit US\$	Cost US\$	Quantity	Price US\$	Cost US\$	Contract US\$
Marking terrain planting	1000Point	1.000	1.0	4.21	4.2				
Seedling transport	km	100	8.1	0.34	34.0	20	0.39	7.8	
Prepare seedling store	m	5	0.1	0.052	0.3				
Temporary storage	1000plant	1.000	0.0	0.103	0.1				
Planting	1000plant	1.000	14.4	60.69	60.7	41.7	0.51	21.3	
<i>Robinia pseudoacacia</i>	1000plant					1.000	13.5	13.5	
Revising plantation	1000plant	0.020	0.4	86.5	1.7				
Hoeing first year (1')	times	1	4.0	16.80	16.8				
Same (2')	times	1	3.3	14.08	14.1				
Weed control	times	1	19.9	83.68	83.7				
Blanking up (40%)	1000plant	0.400	3.8	40.4	16.2				
<i>Robinia pseudoacacia</i>	1000plant					0.400	13.5	5.4	
Cutting seedling stems	times	1	16.2	68.03	68.0				
Hoeing first year (1')	times	1	4.0	16.80	16.8				
Same (2')	times	1	3.3	14.08	14.1				
Salvage cutting, Clearing (4th,8th)	times	2	25.9	54.50	109.0				
Stacking stems (4th,8th)	pils	10	5.1	2.16	21.6				
Subtotal				109.6				48.0	
Insurances quota		1.40							
Total					693.7				

Appendix F-27(12) Reforestation Cost per ha.

For strong damaged stand of Robinia F11
Robinia pseudoacacia forest (*Q.frainetto, Q.cerris*)

Operations	Unit	Quantity	Labor			Materials			Machinery
			Productivity Man/ha	Cost/unit US\$	Cost US\$	Quantity	Price US\$	Cost US\$	Contract US\$
Stumpage removal	ha	0.67		760.5					509.5
Stumpage gathering	ha	0.67		inc.a					
Soil preparation	ha	0.67		inc.a					
Scarifying	ha	0.67		inc.a					
Ploughing	ha	0.67		45.1					30.2
Disk harrowing	ha	0.67		22.5					15.1
Marking terrain planting	1000Point	4.002	4.0	4.21	16.8				
Seedling transport	km	100	10.7	0.45	45.0	20	0.39	7.8	
Prepare seedling store	m	20	0.2	0.039	0.8				
Temporary storage	1000plant	4.002	0.1	0.077	0.3				
Planting	1000plant	4.002	55.3	58.2	232.9				
<i>Quercus frainetto</i>	1000plant					0.534	20.5	10.9	
<i>Quercus cerris</i>	1000plant					2.134	15.3	32.7	
<i>Pyrus pyraster</i>	1000plant					0.267	20.0	5.3	
Others	1000plant					1.334	15.0	20.0	
Revising plantation	1000plant	0.060	1.2	86.5	5.2				
Cutting seedling stems	1000plant	4.002	1.6	1.69	6.8				
Hoeing first year (1')	times/Liter	1	5.3	22.56	22.6	38.1	0.51	19.4	
Same (2')	times/Liter	1	4.3	18.04	18.0	30.5	0.51	15.6	
Blanking up (20%)	1000plant	0.800	7.7	40.4	32.3				
<i>Q.frainetto</i>	1000plant					0.160	20.5	3.3	
<i>Q.cerris</i>	1000plant					0.640	15.3	9.8	
Hoeing next year(1')	times/Liter	5	26.6	22.56	112.8	190.5	0.51	97.2	
Hoeing next year(2')	times/Liter	5	21.3	18.04	90.2	152.5	0.51	77.8	
Weed control	times	3	7.9	11.05	33.2				
Salvage cutting (7th,10th)	times	2	17.4	36.53	73.1				
Marking for clearing	times	2	0.3	0.63	1.3				
Clearing (15th,20th)	times	2	6.0	12.7	25.4				
Stacking stems	pils	6	3.1	2.16	13.0				
Subtotal					729.6			299.7	554.8
Insurances quota		1.40			1,021.4				
Total					1,875.9				

Appendix F-27(13) Reforestation Cost per ha.

For Moderate Damaged Stand of *Robinia F11**Robinia pseudoacacia* forest (*Q.frainetto*, *Q.cerris*, Others)

Operations	Unit	Quantity	Labor			Materials			Machinery
			Productivity Man/ha	Cost/unit US\$	Cost US\$	Quantity	Price US\$	Cost US\$	Contract US\$
Tilling by minibackhoe	ha /Liter	0.25	3.3	63.80	15.95	160	0.39	62.4	
Marking terrain planting	1000Point	3.125	3.1	4.21	13.2				
Seedling transport	km/Liter	100	5.3	0.23	22.5	20	0.39	7.8	
Prepare seedling store	m	10	0.1	0.04	0.4				
Temporary storage	1000plant	3.125	0.1	0.08	0.2				
Planting	1000plant	3.125	43.2	58.20	181.9				
<i>Quercus frainetto</i>	1000plant					0.694	20.5	14.2	
<i>Quercus cerris</i>	1000plant					1.389	15.3	21.3	
Others	1000plant					1.042	15.0	15.6	
Revising plantation	1000plant	0.047	1.0	86.50	4.1				
Cutting seedling stems	1000plant	3.125	1.3	1.69	5.3				
Hoeing first year (1)	times/Liter	1	7.1	15.25	15.3	18.8	0.51	9.6	
Same (2)	times/Liter	1	5.7	12.20	12.2	15.0	0.51	7.7	
Blanking up (20%)	1000plant	0.625	6.0	40.40	25.3				
<i>Q.frainetto</i>	1000plant					0.125	20.5	2.6	
<i>Q.cerris</i>	1000plant					0.500	15.3	7.7	
Hoeing next year(1)	times/Liter	5	35.4	15.25	76.3	93.75	0.51	47.8	
Hoeing next year(2)	times/Liter	5	28.3	12.20	61.0	75.0	0.51	38.3	
Weed control	times	3	6.0	8.35	25.1				
Salvage cutting (7th,10th)	times	2	6.5	13.64	27.3				
Marking for clearing	times	2	0.2	0.44	0.9				
Clearing (15th,20th)	times	2	4.2	8.89	17.8				
Stacking stems	pils	6	1.4	1.01	6.1				
Subtotal					510.4			234.8	
Insurances quota		1.40			714.6				
Total					949.4				

Appendix F-27(14) Reforestation Cost per ha.

For strong damaged stand of *Populus F13**Populus* spp. forest (*Q.robur*, *Fraxinus excelsior*, Others)

Operations	Unit	Quantity	Labor			Materials			Machinery
			Productivity Man/ha	Cost/unit US\$	Cost US\$	Quantity	Price US\$	Cost US\$	Contract US\$
Stumpage removal	ha	1.00		760.5					760.5
Stumpage gathering	ha	1.00		inc.a					
Soil preparation	ha	1.00		inc.a					
Scarifying	ha	1.00		inc.a					
Ploughing	ha	1.00		45.1					45.1
Disk harrowing	ha	1.00		22.5					22.5
Marking terrain planting	1000Point	6.667	6.7	4.21	28.1				
Seedling transport	km	100	10.7	0.45	45.0	20	0.39	7.8	
Prepare seedling store	m	20	0.2	0.039	0.8				
Temporary storage	1000plant	6.667	0.1	0.077	0.5				
Planting	1000plant	6.667	92.2	58.2	388.0				
<i>Quercus robur</i>	1000plant					3.556	17.0	60.5	
<i>Fraxinus excelsior</i>	1000plant					0.889	15.0	13.3	
Others	1000plant					2.222	15.0	33.3	
Revising plantation	1000plant	0.100	2.1	86.5	8.7				
Cutting seedling stems	1000plant	6.667	2.7	1.69	11.3				
Hoeing first year (1)	times/Liter	1	7.6	32.60	32.6	40.0	0.51	20.4	
Same (2)	times/Liter	1	6.1	26.08	26.1	32.0	0.51	16.3	
Blanking up (20%)	1000plant	1.333	12.8	40.4	53.9				
<i>Quercus robur</i>	1000plant					1.066	17.0	18.1	
<i>Fraxinus excelsior</i>	1000plant					0.267	15.0	4.0	
Hoeing next year(1)	times/Liter	5	37.8	32.60	163.0	200.0	0.51	102.0	
Hoeing next year(2)	times/Liter	5	30.3	26.08	130.4	160.0	0.51	81.6	
Weed control	times	3	23.8	33.47	100.4				
Salvage cutting (7th,10th)	times	2	25.9	54.55	109.1				
Marking for clearing	times	2	0.5	0.95	1.9				
Clearing (15th,20th)	times	2	9.0	18.95	37.9				
Stacking stems	pils	10	5.1	2.16	21.6				
Subtotal					1,159.1			357.4	828.1
Insurances quota		1.40			1,622.8				
Total					2,808.2				

For moderate damaged stand of Populus F13

Appendix F-27(15) Reforestation Cost per ha.

Populus spp. forest (Populus alba)

Operations	Unit	Quantity	Labor			Materials			Machinery
			Productivity Man/ha	Cost/unit US\$	Cost US\$	Quantity	Price US\$	Cost US\$	Contract US\$
Stumpage removal	ha	1.00		436.3				436.3	
Stumpage gathering	ha	1.00		124.7				124.7	
Soil preparation	ha	1.00		74.8				74.8	
Scarifying	ha	1.00		124.7				124.7	
Ploughing	ha	1.00		45.1				45.1	
Disk harrowing	ha	1.00		22.5				22.5	
Marking terrain planting	1000Point	0.625	0.6	4.21	2.6				
Seedling transport	km	100	1.2	0.05	5.0	20	0.39	7.8	
Planting	1000plant	0.625	8.6	58.2	36.4				
Populus alba	1000plant					0.625	235.5	147.2	
Revising plantation	1000plant	0.100	2.1	86.5	8.7				
Hoeing first year (1')	times/Liter	1	7.6	32.60	32.6	40.0	0.51	20.4	
Same (2)	times/Liter	1	6.1	26.08	26.1	32.0	0.51	16.3	
Blanking up (21%)	1000plant	0.130	1.2	40.4	5.3				
Populus alba	1000plant					0.130	235.5	30.6	
Hoeing next year (1')	times/Liter	2	15.1	32.60	65.2	80.0	0.51	40.8	
Hoeing next year (2')	times/Liter	2	12.1	26.08	52.2	64.0	0.51	32.6	
Weed control (4th)	times	1	8.0	33.47	33.5				
Cutting buds (1t,2d)	times	2	3.9	8.22	16.4				
Pruning (7th)	times	1	9.8	41.11	41.1				
Subtotal			76.2		325.0			295.8	
Insurances quota		1.40			455.0				
Total					1,578.8				

Appendix F-28(1) Labor Volume by Operation Year

Total (Dolj and Oli)								Total Man-Day
Operation Year	Cursing	Log production	Ground clearance	Planting	Tending	D.I.W	Forest mantle replantation	
2	1,469							1,469
3	1,803	7,834	228					9,865
4	2,461	9,629	284	10,531	1,849	221	80	25,055
5	2,913	13,158	578	16,373	6,900	798	1,050	41,770
6	4,117	15,947	425	29,236	13,038	399	1,937	65,099
7	4,737	21,978	2,826	36,951	22,056		1,481	90,029
8	3,962	25,199	3,592	57,972	25,906		856	117,487
9		21,077	2,935	74,221	41,415		416	140,064
10				61,115	54,316		220	115,651
11					45,519			45,519
12					32,147		372	32,519
13	270				29,865		416	30,551
14	540				26,870		220	27,630
15	1,102				15,054			16,156
16	1,614				6,680			8,294
17					4,490			4,490
18	100				6,248			6,348
19	202				5,417			5,619
20	405				1,014			1,419
21	602				1,175			1,777
22					3,412			3,412
23	63				4,839			4,902
24	127				4,241			4,368
25	254				1,019			1,273
26	378				1,175			1,553
27					3,412			3,412
28					4,382			4,382
29					3,611			3,611
S-total	27,119	114,822	10,868	286,399	366,050	1,418	7,048	813,724
33	387							387
34	775							775
35	1,559							1,559
36	2,319							2,319
37	14							14
38	602							602
39	835							835
40	1,331							1,331
41	1,522							1,522
42	4,213							4,213
43	5,419							5,419
44	4,472							4,472
48	253							253
49	350							350
50	557							557
51	638							638
52	1,766							1,766
53	2,271							2,271
54	1,874							1,874
58	121							84
59	168							168
60	267							267
61	306							306
62	847							847
63	1,089							1,089
64	899							899
68	75							75
69	104							104
70	166							166
71	191							191
72	527							527
73	678							678
74	559							559

Total (Dolj and Oli)								Total
Operation Year	Cursing	Log production	Ground clearance	Planting	Tending	D.I.W	Forest mantle replantation	Man-Day
78	69							69
79	96							96
80	152							152
81	175							175
82	482							482
83	620							620
84	512							512
123	433							433
124	604							604
125	963							963
126	1,103							1,103
127	3,025							3,025
128	3,893							3,893
129	3,210							3,210
143	459							459
144	640							640
145	1,020							1,020
146	1,168							1,168
147	3,206							3,206
148	4,125							4,125
149	3,402							3,402
163	487							487
164	678							678
165	1,081							1,081
166	1,237							1,237
167	3,396							3,396
168	4,370							4,370
169	3,604							3,604
S-total	81,364							81,327
Total	108,483	114,822	10,868	286,399	366,050	1,418	7,048	895,051

*Remark D.I.W : Drainage and Infiltration Works

Appendix F-28(2) Labor Volume by Operation Year

Olt County								Total	Doli County								Total
Operation Year	Cruising	Log production	Soil preparation	Planting	Tending	D.I.W	Forest maintenance	Man Day	Cruising	Log production	Soil preparation	Planting	Tending	D.I.W	Forest maintenance	Man Day	
2	481							481	988							988	
3	606	2,558	60					3,224	1,197	5,276	168					6,641	
4	715	3,228	80	2,222	378	119	40	6,782	1,746	6,401	204	8,309	1,471	102	40	18,273	
5	785	3,805	174	3,743	1,383	399	530	10,819	2,128	9,353	404	12,630	5,517	399	520	30,951	
6	1,212	4,180	125	6,246	2,715		1,001	15,479	2,905	11,767	300	22,990	10,323	399	936	49,620	
7	1,449	6,460	744	7,180	4,233		504	20,570	3,288	15,518	2,082	29,771	17,823		977	69,459	
8	1,190	7,707	985	15,354	6,807		186	32,229	2,772	17,492	2,607	42,618	19,099		670	85,258	
9		6,330	763	20,165	10,986		230	38,474		14,747	2,172	54,056	30,429		186	101,590	
10				15,938	14,105			30,043				45,177	40,211		220	85,608	
11					12,409			12,409					33,110			33,110	
12					8,620		186	8,806					23,527		186	23,713	
13	6				7,496		230	7,732	264				22,369		186	22,819	
14	24				6,287			6,311	516				20,583		220	21,319	
15	39				4,159			4,198	1,063				10,895			11,958	
16	62				1,936			1,998	1,552				4,744			6,296	
17					1,195			1,195					3,295			3,295	
18	2				1,702			1,704	98				4,546			4,644	
19	9				1,476			1,485	193				3,941			4,134	
20	13				370			383	392				644			1,036	
21	23				413			436	579				762			1,341	
22					905			905					2,507			2,507	
23	1				1,326			1,327	62				3,513			3,575	
24	6				1,168			1,174	121				3,073			3,194	
25	8				370			378	246				649			895	
26	14				413			427	364				762			1,126	
27					905			905					2,507			2,507	
28					1,189			1,189					3,193			3,193	
29					942			942					2,669			2,669	
S-total	6,645	34,268	2,931	70,848	93,888	518	2,907	212,005	20,474	80,554	7,937	215,551	272,162	900	4,141	601,719	
33	9							9	378							378	
34	36							36	739							739	
35	55							55	1,504							1,504	
36	94							94	2,225							2,225	
37	3							3	11							11	
38	183							183	419							419	
39	304							304	531							531	
40	490							490	841							841	
41	564							564	958							958	
42	1,119							1,119	3,094							3,094	
43	1,468							1,468	3,951							3,951	
44	1,167							1,167	3,305							3,305	
48	77							77	176							176	
49	128							128	222							222	
50	205							205	352							352	
51	236							236	402							402	
52	469							469	1,297							1,297	
53	615							615	1,656							1,656	
54	489							489	1,385							1,385	
58	37								84							84	
59	61							61	107							107	
60	98							98	169							169	
61	113							113	193							193	
62	225							225	622							622	
63	295							295	794							794	
64	235							235	664							664	
68	23							23	52							52	
69	38							38	66							66	
70	61							61	105							105	
71	71							71	120							120	
72	140							140	387							387	
73	184							184	494							494	
74	146							146	413							413	
78	21							21	48							48	
79	35							35	61							61	
80	56							56	96							96	
81	65							65	110							110	
82	128							128	354							354	
83	168							168	452							452	
84	134							134	378							378	
123	139							139	294							294	
124	232							232	372							372	
125	373							373	590							590	
126	430							430	673							673	
127	853							853	2,172							2,172	

Olt County								Total	Dolj County								Total
Operation Year	Cruising	Log production	Soil preparation	Planting	Tending	D.I.W	Forest maintenance	Man Day	Cruising	Log production	Soil preparation	Planting	Tending	DLW	Forest maintenance	Man Day	
128	1,119							1,119	2,774							2,774	
129	890							890	2,320							2,320	
143	147							147	312							312	
144	245							245	395							395	
145	394							394	626							626	
146	454							454	714							714	
147	901							901	2,305							2,305	
148	1,182							1,182	2,943							2,943	
149	940							940	2,462							2,462	
163	156							156	331							331	
164	259							259	419							419	
165	417							417	664							664	
166	480							480	757							757	
167	953							953	2,443							2,443	
168	1,250							1,250	3,120							3,120	
169	991							991	2,610							2,610	
S-total	22,853							22,816	58,511							58,511	
Total	29,498	34,268	2,931	70,848	93,888	518	2,907	234,821	78,985	80,554	7,937	215,551	272,162	900	4,141	660,230	

*Remark D.I.W: Drainage and Infiltration Works

Appendix F-29(1) Operation Volume by Operation Year (Tending)

Olt and Dolj Total								
Operation Year	Supplementary planting	Correction of planting	Scarifying	Weeding	Improvement cutting of brush	Intraspecific improvement cutting	Removal of lateral buds	Pruning
3								
4			268.00	99.00				
5	35.80	134.00	694.88	235.44				
6	60.69	213.44	1,360.28	461.14				
7	111.74	377.70	2,168.72	613.81	45.00			
8	152.67	495.82	3,071.92	1,055.42	90.00		9.80	
9	126.61	631.00	4,135.78	1,654.95	181.00		9.80	
10	160.22	801.08	5,280.18	2,095.38	358.15			
11	132.24	661.20	5,013.70	1,472.08	123.44	45.00		
12			4,620.30	661.20	196.70	90.00		
13			4,170.16		314.07	181.00		
14			2,924.56		746.24	269.15		9.80
15			1,322.40		997.78			
16					886.27			
17					622.80			
18					801.08	89.00		
19					661.20	123.44		
20						196.70		
21						225.07		
22						622.80		
23						890.08		
24						784.64		
25						196.70		
26						225.07		
27						622.80		
28						801.08		
29						661.20		
Total	779.97	3,314.24	35,030.88	8,348.42	6,023.73	6,023.73	19.60	9.80

Appendix F-29(2) Operation Volume by Operation Year (Tending)

Olt County											Dolj County										
Operation Year	Supplementary planting	Planting revision	地盤草 weeding	Wooding	Shrub cleaning	cleaning	Lateral bud remove	Pruning	Supplementary planting	Planting revision	地盤草 weeding	Wooding	Shrub cleaning	cleaning	Lateral bud remove	Pruning					
3																					
4			56.00	27.00							212.00	72.00									
5	5.80	28.00	154.00	72.00					30.00	106.00	540.88	163.44									
6	10.60	49.00	308.80	144.40					50.09	164.44	1,051.48	316.74									
7	16.88	78.40	488.20	201.80	1.00				94.86	299.30	1,680.52	412.01	44.00								
8	20.80	95.30	810.28	325.24	4.00		1.60		131.87	400.52	2,261.64	730.18	86.00		8.20						
9	33.42	165.44	1,223.68	471.84	6.00		1.60		93.19	465.56	2,912.10	1,183.11	175.00		8.20						
10	43.40	217.00	1,514.88	565.34	37.30				116.82	584.08	3,765.30	1,530.04	320.85								
11	34.52	172.60	1,421.68	391.20	45.00	1.00			97.72	488.60	3,592.02	1,080.88	78.44	44.00							
12			1,276.88	172.60	72.40	4.00					3,343.42	488.60	124.30	86.00							
13			1,110.08		110.40	6.00					3,060.08		205.67	175.00							
14			779.20		210.44	10.30		1.60			2,145.36		535.80	258.85		8.20					
15			345.20		289.40						977.20		708.38								
16					256.00								630.27								
17					165.44								457.36								
18					217.00	27.00							584.08	62.00							
19					172.60	45.00							488.60	78.44							
20						72.40								124.30							
21						83.40								141.67							
22						165.44								457.36							
23						244.00								646.08							
24						217.60								567.04							
25						72.40								124.30							
26						83.40								141.67							
27						165.44								457.36							
28						217.00								584.08							
29						172.60								488.60							
Total	165.42	805.74	9,488.88	2,371.42	1,586.98	1,586.98	3.20	1.60	614.55	2,508.50	25,542.00	5,977.00	4,436.75	4,436.75	16.40	8.20					

Appendix F-30 Restoration Targets for Damaged Forest by Site Index, Damage Grade
<Olt County>

Present Stand	Site Index	Damage Grade	Stand Area	Plantation Method/Rate	Actual Regeneration Area ha	Regeneration Method	Target Period	Target	Target	
								Unit Stock m ³ /ha	Stock m ³	
<i>Q.frainetto</i> F5	2	Strong	1.3	Plantation 80%	1.0	<i>Q.frainetto</i>	120ys	451	469	
		Moderate	5.4	Plantation 50%	2.7			451	1,218	
	3	Strong	59.8	Plantation 80%	47.8			374	17,892	
		Moderate	218.6	Plantation 50%	109.3			374	40,878	
	4	Strong	80.9	Plantation 80%	64.7			303	19,610	
		Moderate	151.7	Plantation 50%	75.9			303	22,983	
	5	Strong	36.4	Plantation 80%	29.1			221	6,436	
		Moderate	46.0	Plantation 50%	23.0			221	5,083	
	total		600.1		353.6					114,568
	<i>Q.frainetto</i> & <i>Q.cerris</i> F6	2	Strong	0.0	Plantation 80%			0.0	<i>Q.frainetto</i> <i>Q.cerris</i>	120ys
Moderate			8.4	Plantation 50%	4.2	355	8,719			
3		Strong	30.7	Plantation 80%	24.6	355	25,134			
		Moderate	141.6	Plantation 50%	70.8	285	12,563			
4		Strong	55.1	Plantation 80%	44.1	285	18,625			
		Moderate	130.7	Plantation 50%	65.4	210	2,486			
5		Strong	14.8	Plantation 80%	11.8	210	8,022			
		Moderate	76.4	Plantation 50%	38.2		77,401			
total			457.7		259.0					
<i>Quercus</i> spp. F7		1	Strong	0.0	Plantation 80%	0.0	<i>Q.robur</i> , <i>Q.petraea</i> , <i>Q.pedun.</i> , <i>Q.cerris</i>	120ys		
	Moderate		0.2	Plantation 50%	0.1	687			824	
	2	Strong	1.5	Plantation 80%	1.2	687			687	
		Moderate	2.0	Plantation 50%	1.0	557			624	
	3	Strong	1.4	Plantation 80%	1.1	557			4,317	
		Moderate	15.5	Plantation 50%	7.8	444			7,353	
	4	Strong	20.7	Plantation 80%	16.6	444			4,862	
		Moderate	21.9	Plantation 50%	11.0	341			655	
	5	Strong	2.4	Plantation 80%	1.9	341			904	
		Moderate	5.3	Plantation 50%	2.7				20,307	
total		70.9		43.3						
<i>Quercus</i> & Others F8	1	Strong	0.0	Plantation 80%	0.0	<i>Q.robur</i> , <i>Q.petraea</i> , <i>Q.pedun.</i> , <i>Fraxinus</i>	120ys	888	266	
		Moderate	0.6	Plantation 50%	0.3			749	10,546	
	2	Strong	17.6	Plantation 80%	14.1			749	300	
		Moderate	0.8	Plantation 50%	0.4			609	13,398	
	3	Strong	27.5	Plantation 80%	22.0			609	7,734	
		Moderate	25.4	Plantation 50%	12.7			485	15,908	
	4	Strong	41.0	Plantation 80%	32.8			485	4,729	
		Moderate	19.5	Plantation 50%	9.8			374	11,429	
	5	Strong	38.2	Plantation 80%	30.6			374	935	
		Moderate	5.0	Plantation 50%	2.5				65,245	
total		175.6		125.1						
<i>Robinia</i> above 20ys F9	3	Strong	0.0	Plantation 100%	0.0	<i>Robinia</i> , Others 30ys	30ys	213	213	
		Moderate	1.0	Coppice	1.0			181	688	
	4	Strong	3.8	Plantation 100%	3.8			153	383	
		Moderate	2.5	Coppice	2.5				1,283	
total		7.3		7.3						
<i>Robinia</i> under 20ys F10	3	Strong	4.6	Plantation 100%	4.6	<i>Robinia</i> , Others 30ys	30ys	239	1,099	
		Moderate	12.0	Coppice	6.0			197	1,182	
	4	Strong	1.4	Plantation 100%	1.4			181	253	
		Moderate	4.0	Coppice	2.0			136	272	
total		22.0		14.0			2,807			
<i>Robinia</i> above 20ys F11	5	Strong	1.9	Plantation 100%	1.9	<i>Q.cerris</i> <i>fral.</i> 120ys	120ys	210	399	
		Moderate	0.0	Coppice	0.0			1.9	399	
total		1.9		1.9						
<i>Populus</i> spp. F13	3	Strong	0.0	Plantation 100%	0.0	<i>Q.robur</i> , others 120ys	120ys	289	462	
		Moderate	1.6	Plantation 100%	1.6			<i>Populus alba</i> 30ys		462
total		1.6		1.6			462			
Total			1,337.1		805.7			282,473		

<Dolj County>

Present Stand	Site Index	Damage Grade	Stand Area	Plantation Method/Rate	Actual Regeneration Area ha	Regeneration Method	Target Period	Target Unit Stock m ³ /ha	Target Stock m ³
Seed Stand									
<i>Q.frainetto</i> F1	3	Strong	32.8	Plantation 60%	19.7	<i>Q.frainetto</i>	120ys	374	7,360
<i>Q.frai.,cer.</i> F2	3	Strong	45.2	Plantation 60%	27.1	<i>Q.frai.,cer</i>	120ys	355	9,628
		Moderate	15.2	Plantation 40%	6.1			355	2,158
	total		60.4		33.2				11,786
<i>Q.spp.</i> F3	1	Moderate	3.6	Plantation 40%	1.4	<i>Q.ped.,pet.,cer.</i>	120ys	817	1,176
Total			96.8		54.3				20,323

Present Stand	Site Index	Damage Grade	Stand Area	Plantation Method/Rate	Actual Regeneration Area ha	Regeneration Method	Target Period	Target Unit Stock m ³ /ha	Target Stock m ³			
<i>Q.frainetto</i> F5	2	Strong	0.0	Plantation 80%	0.0	<i>Q.frainetto</i>	120ys					
		Moderate	6.4	Plantation 50%	3.2			451	1,443			
	3	Strong	152.3	Plantation 80%	121.8			374	45,568			
		Moderate	195.3	Plantation 50%	97.7			374	36,521			
	4	Strong	149.7	Plantation 80%	119.8			303	36,287			
		Moderate	189.2	Plantation 50%	94.6			303	28,664			
	5	Strong	70.9	Plantation 80%	56.7			221	12,535			
		Moderate	134.9	Plantation 50%	67.5			221	14,906			
	total		898.7		561.2				175,925			
	<i>Q.frainetto & ceris</i> F6	2	Strong	3.8	Plantation 80%			3.0	<i>Q.frainetto ceris</i>	120ys	441	1,341
Moderate			28.3	Plantation 50%	14.2	441	6,240					
3		Strong	101.1	Plantation 80%	80.9	355	28,712					
		Moderate	566.7	Plantation 50%	283.4	355	100,589					
4		Strong	202.8	Plantation 80%	162.2	285	46,238					
		Moderate	656.5	Plantation 50%	328.3	285	93,551					
5		Strong	114.9	Plantation 80%	91.9	210	19,303					
		Moderate	264.1	Plantation 50%	132.1	210	27,731					
total			1938.2		1095.9		323,706					
<i>Quercus spp.</i> F7		1	Strong	1.7	Plantation 80%	1.4	<i>Q.robur petraea, pedun.,ceris</i>	120ys			817	1,111
	Moderate		6.2	Plantation 50%	3.1	817			2,533			
	2	Strong	2.6	Plantation 80%	2.1	687			1,429			
		Moderate	6.4	Plantation 50%	3.2	687			2,198			
	3	Strong	27.0	Plantation 80%	21.6	557			12,031			
		Moderate	60.8	Plantation 50%	30.4	557			16,933			
	4	Strong	28.5	Plantation 80%	22.8	444			10,123			
		Moderate	46.3	Plantation 50%	23.2	444			10,279			
	5	Strong	1.1	Plantation 80%	0.9	341			300			
		Moderate	14.7	Plantation 50%	7.4	341			2,506			
	total		195.3		115.9				59,443			
	<i>Quercus & Others</i> F8	2	Strong	0.0	Plantation 80%	0.0			<i>Q.robur petraea, pedun.,Fracinus</i>	120ys	749	1,348
			Moderate	3.6	Plantation 50%	1.8					609	10,475
		3	Strong	21.5	Plantation 80%	17.2					609	7,765
Moderate			25.5	Plantation 50%	12.8	485	7,139					
4		Strong	18.4	Plantation 80%	14.7	485	2,304					
		Moderate	9.5	Plantation 50%	4.8	374	5,475					
5		Strong	18.3	Plantation 80%	14.6	374	8,172					
		Moderate	43.7	Plantation 50%	21.9		42,678					
total			140.5		87.7							
<i>Robinia</i> above 20ys F9		2	Strong	3.2	Plantation 100%	3.2	<i>Robinia,Others</i>	30ys			333	1,066
	Moderate		12.1	Coppice	12.1	Species for planting <i>Robinia</i>			302	3,654		
	3	Strong	108.3	Plantation 100%	108.3	<i>Robinia,Others</i>			30ys	239	25,884	
		Moderate	53.5	Coppice	53.5	Species for planting <i>Robinia</i>			30ys	213	11,396	
	4	Strong	70.8	Plantation 100%	70.8	<i>Robinia,Others</i>			30ys	181	12,815	
		Moderate	47.5	Coppice	47.5	Species for planting <i>Robinia</i>			30ys	153	7,268	
	5	Strong	47.8	Plantation 100%	47.8	<i>Robinia,Others</i>			30ys	105	5,019	
		Moderate	14.5	Coppice	14.5	Species for planting <i>Robinia</i>			30ys	89	1,291	
	total		357.7		357.7					68,391		

Present Stand	Site Index	Damage Grade	Stand Area	Plantation Method/Rate	Actual Regeneration Area ha	Regeneration Method	Target Period	Target Unit Stock	Target Stock
								m ³ /ha	m ³
Robinia under20ys F10	2	Strong	4.2	Plantation 100%	4.2	Robinia ,Others 30ys		333	1,399
		Moderate	0.9	Coppice	0.5	Species for planting Robinia 30ys		283	127
	3	Strong	48.5	Plantation 100%	48.5	Robinia ,Others 30ys		239	11,592
		Moderate	19.0	Coppice	9.5	Species for planting Robinia 30ys		197	1,872
	4	Strong	46.6	Plantation 100%	46.6	Robinia ,Others 30ys		181	8,435
		Moderate	29.7	Coppice	14.9	Species for planting Robinia 30ys		136	2,020
	5	Strong	75.0	Plantation 100%	75.0	Robinia ,Others 30ys		105	7,875
		Moderate	14.1	Coppice	7.1	Species for planting Robinia 30ys		79	557
	total		238.0		206.2				33,875
	Robinia above20ys F11	4	Strong	0.0	Plantation 100%	0.0	Q. cerris ,fr. 120ys		
Moderate			1.8	Coppice	1.8	Species for planting Q. ce .fr. 120ys		143	257
total			1.8		1.8				257
Robinia under20ys F12	5	Strong	2.5	Plantation 100%	2.5	Q. cerris ,fr. 120ys		210	525
		Moderate	0.0	Coppice	0.0	Species for planting Q. ce .fr. 120ys			
	total		2.5		2.5				525
Populus spp. F13	1	Strong	1.1	Plantation 100%	1.1	Q. robur ,others 120ys		888	977
		Moderate	0.0	Plantation 100%	0.0	Populus alba 30ys			
	2	Strong	4.1	Plantation 100%	4.1	Q. robur ,others 120ys		749	3,071
		Moderate	0.7	Plantation 100%	0.7	Populus alba 30ys		400	280
	3	Strong	4.9	Plantation 100%	4.9	Q. robur ,others 120ys		609	2,984
		Moderate	2.1	Plantation 100%	2.1	Populus alba 30ys		289	607
	4	Strong	7.0	Plantation 100%	7.0	Q. robur ,others 120ys		485	3,395
		Moderate	0.5	Plantation 100%	0.5	Populus alba 30ys		185	53
	5	Strong	0.0	Plantation 100%	0.0	Q. robur ,others 120ys			
		Moderate	4.9	Plantation 100%	4.9	Populus alba 30ys		107	524
	total		25.3		25.3				11,931
	Total		3,798.0		2,454.2				716,731

Sum Total	5,231.9
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3,314.2

1,019,527

Appendix F-31 Appraised Wood Value for Damaged Forest by Site Index
<Olt County>

Present Stand	Site Index	Damage Grade	Actual Regeneration Area ha	Regeneration Method	Target Period	Target Unit Stock m ³ /ha	For Wood Industry		Another Use	For Wood Industry		Another Use				
							%	Volume m ³	Volume m ³	Unit Cost	Appraised value	Unit Cost	Appraised value			
														US\$	1000US\$	US\$
Q.frainetto F5	2	Strong	1.0	Q.frainetto	120ys	469	55	258	211	200	52	13.9	3			
		Moderate	2.7			1,218	55	670	548	200	134	13.9	8			
	3	Strong	47.8			17,892	42	7,515	10,377	200	1,503	13.9	144			
		Moderate	109.3			40,878	42	17,169	23,709	200	3,434	13.9	330			
	4	Strong	64.7			19,610	31	6,079	13,531	200	1,216	13.9	183			
		Moderate	75.9			22,983	31	7,125	15,858	200	1,425	13.9	220			
	5	Strong	29.1			6,436	20	1,287	5,148	200	257	13.9	72			
		Moderate	23.0			5,083	20	1,017	4,066	200	203	13.9	57			
	total		353.6			114,568		41,119	73,450		8,224		1,021			
	Q.frainetto & cerris F6	2	Strong			4.2	Q.frainetto cerris	120ys	1,852	55	1,019	833	200	204	13.9	12
Moderate			24.6	8,719	42	3,662			5,057	200	732	13.9	70			
3		Strong	70.8	25,134	42	10,556			14,578	200	2,111	13.9	203			
		Moderate	44.1	12,563	31	3,894			8,668	200	779	13.9	120			
4		Strong	65.4	18,625	31	5,774			12,851	200	1,155	13.9	179			
		Moderate	11.8	2,486	20	497			1,989	200	99	13.9	28			
5		Strong	38.2	8,022	20	1,604			6,418	200	321	13.9	89			
		Moderate	259.0	77,401		27,007			50,394		5,401		700			
Quercus spp. F7		1	Strong	0.1	Q.robur petraea, pedun. cerris	120ys			82	61	50	32	200	10	13.9	0
			Moderate	1.2					824	58	478	346	200	96	13.9	5
	2	Strong	1.0	687			58	398	289	200	80	13.9	4			
		Moderate	1.1	624			53	331	293	200	66	13.9	4			
	3	Strong	7.8	4,317			53	2,288	2,029	200	458	13.9	28			
		Moderate	16.6	7,353			47	3,456	3,897	200	691	13.9	54			
	4	Strong	11.0	4,862			47	2,285	2,577	200	457	13.9	36			
		Moderate	1.9	655			40	262	393	200	52	13.9	5			
	5	Strong	2.7	904			40	361	542	200	72	13.9	8			
		Moderate	43.3	20,307				9,909	10,397		1,982		145			
Quercus & Others F8	1	Strong	0.3	Q.robur petraea, pedun. Fraxinus	120ys	266	61	163	104	200	33	13.9	1			
		Moderate	14.1			10,546	59	6,222	4,324	200	1,244	13.9	60			
	2	Strong	0.4			300	59	177	123	200	35	13.9	2			
		Moderate	22.0			13,398	56	7,503	5,895	200	1,501	13.9	82			
	3	Strong	12.7			7,734	56	4,331	3,403	200	866	13.9	47			
		Moderate	32.8			15,908	51	8,113	7,795	200	1,623	13.9	108			
	4	Strong	9.8			4,729	51	2,412	2,317	200	482	13.9	32			
		Moderate	30.6			11,429	45	5,143	6,286	200	1,029	13.9	87			
	5	Strong	2.5			935	45	421	514	200	84	13.9	7			
		Moderate	125.1			65,245		34,484	30,761		6,897		428			
Robinia above20ys F9	3	Strong	1.0	Robinia,Others 30ys	Species for planting Robinia 30ys	213	14	30	183	16.5	0	12.4	2			
		Moderate	3.8			688	2	14	674	16.5	0	12.4	8			
	4	Strong	2.5			383	2	8	375	16.5	0	12.4	5			
		Moderate	7.3			1,283		51	1,232		1		15			
Robinia under20ys F10	3	Strong	4.6	Robinia,Others 30ys	Species for planting Robinia 30ys	1,099	18	198	902	16.5	3	12.4	11			
		Moderate	6.0			1,182	14	165	1,017	16.5	3	12.4	13			
	4	Strong	1.4			253	2	5	248	16.5	0	12.4	3			
		Moderate	2.0			272	2	5	267	16.5	0	12.4	3			
total		14.0	2,807		374	2,433		6		30						
Robinia above20ys F11	5	Strong	1.9	Q.cerris frai. 120ys	Species for planting Q.ce. fr. 120ys	399	20	80	319	200	16	13.9	4			
		Moderate	1.9			399		80	319		16		4			
Populus spp. F13	3	Strong	1.6	Q.robur, others 120ys	Populus alba 30ys	462	20	92	370	16.0	1	10.6	4			
		Moderate	1.6			462		92	370		1		4			
total		1.6	462			92	370		1		4					
Total			805.7			282,473		113,116	169,357		22,528		2,347			

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By Planting Species

782.8	Quercus	277,920	112,598	165,322	22,520	2,298
21.3	Robinia	4,090	425	3,665	7	45
1.6	Populus	462	92	370	1	4
805.7	Total	282,473	113,116	169,357	22,528	2,347

<Dolj County>

Present Stand	Site Index	Damage Grade	Actual Regeneration Area ha	Regeneration Method	Target Unit Stock m ³ /ha	For Wood Industry		Another Use	For Wood Industry		Another Use	
						%	Volume m ³	Volume m ³	Unit Appraised		Unit Appraised	
									Cost	value	Cost	value
Seed Stands												
<i>Q.frainetto</i> F1	3	Strong	19.7	<i>Q.frainetto</i> 120ys	7,360	42	3,091	4,269	200	618	13.9	59
<i>Q.frai.cer.</i> F2	3	Strong	27.1	<i>Q.frai.cer</i> 120ys	9,628	42	4,044	5,584	200	809	13.9	78
		Moderate	6.1	<i>Q.frai.cer</i> 120ys	2,158	42	907	1,252	200	181	13.9	17
		total	33.2		11,786		4,950	6,836		1,608		154
<i>Q.spp.</i> F3	1	Moderate	1.4	<i>Q.ped.pet.cer.</i> 120ys	1,176	61	718	459	200	144	13.9	6
Total			54.3		20,323		8,759	11,564		2,370		220
<i>Q.frainetto</i> F5	2	Strong		<i>Q.frainetto</i> 120ys								
		Moderate	3.2		1,443	55	794	649	200	159	13.9	9
	3	Strong	121.8		45,568	42	19,139	26,430	200	3,828	13.9	367
		Moderate	97.7		36,521	42	15,339	21,182	200	3,068	13.9	294
	4	Strong	119.8		36,287	31	11,249	25,038	200	2,250	13.9	348
		Moderate	94.6		28,664	31	8,886	19,778	200	1,777	13.9	275
	5	Strong	56.7		12,535	20	2,507	10,028	200	501	13.9	139
Moderate		67.5	14,906	20	2,981	11,925	200	596	13.9	166		
total		561.2	175,925		60,894	115,031		12,179		1,599		
<i>Q.frainetto & cerris</i> F6	2	Strong	3.0	<i>Q.frainetto cerris</i> 120ys	1,341	55	737	603	200	147	13.9	8
		Moderate	14.2		6,240	55	3,432	2,808	200	686	13.9	39
	3	Strong	80.9		28,712	42	12,059	16,653	200	2,412	13.9	231
		Moderate	283.4		100,589	42	42,247	58,342	200	8,449	13.9	811
	4	Strong	162.2		46,238	31	14,334	31,904	200	2,867	13.9	443
		Moderate	328.3		93,551	31	29,001	64,550	200	5,800	13.9	897
	5	Strong	91.9		19,303	20	3,861	15,443	200	772	13.9	215
		Moderate	132.1		27,731	20	5,546	22,184	200	1,109	13.9	308
total		1095.9	323,706		111,218	212,488		22,244		2,954		
<i>Quercus spp.</i> F7	1	Strong	1.4	<i>Q.robur petraea, pedun.cerris</i> 120ys	1,111	61	678	433	200	136	13.9	6
		Moderate	3.1		2,533	61	1,545	988	200	309	13.9	14
	2	Strong	2.1		1,429	58	829	600	200	166	13.9	8
		Moderate	3.2		2,198	58	1,275	923	200	255	13.9	13
	3	Strong	21.6		12,031	53	6,377	5,655	200	1,275	13.9	79
		Moderate	30.4		16,933	53	8,974	7,958	200	1,795	13.9	111
	4	Strong	22.8		10,123	47	4,758	5,365	200	952	13.9	75
		Moderate	23.2		10,279	47	4,831	5,448	200	966	13.9	76
	5	Strong	0.9		300	40	120	180	200	24	13.9	3
		Moderate	7.4		2,506	40	1,003	1,504	200	201	13.9	21
total		115.9	59,443		30,389	29,054		6,078		404		
<i>Quercus & Others</i> F8	2	Strong		<i>Q.robur petraea, pedun.Fraxinus</i> 120ys								
		Moderate	1.8		1,348	59	795	553	200	159	13.9	8
	3	Strong	17.2		10,475	56	5,866	4,609	200	1,173	13.9	64
		Moderate	12.8		7,765	56	4,348	3,416	200	870	13.9	47
	4	Strong	14.7		7,139	51	3,641	3,498	200	728	13.9	49
		Moderate	4.8		2,304	51	1,175	1,129	200	235	13.9	16
	5	Strong	14.6		5,475	45	2,464	3,011	200	493	13.9	42
		Moderate	21.9		8,172	45	3,677	4,495	200	735	13.9	62
total		87.7	42,678		21,967	20,711		4,393		288		
<i>Robinia</i> above 20ys F9	2	Strong	3.2	<i>Robinia, Others</i> 30ys	1,066	30	320	746	16.5	5	12.4	9
		Moderate	12.1	Species for planting <i>Robinia</i> 30ys	3,654	28	1,023	2,631	16.5	17	12.4	33
	3	Strong	108.3	<i>Robinia, Others</i> 30ys	25,884	18	4,659	21,225	16.5	77	12.4	263
		Moderate	53.5	Species for planting <i>Robinia</i> 30ys	11,396	14	1,595	9,800	16.5	26	12.4	122
	4	Strong	70.8	<i>Robinia, Others</i> 30ys	12,815	2	256	12,559	16.5	4	12.4	156
		Moderate	47.5	Species for planting <i>Robinia</i> 30ys	7,268	2	145	7,122	16.5	2	12.4	88
	5	Strong	47.8	<i>Robinia, Others</i> 30ys	5,019			5,019	16.5		12.4	62
Moderate		14.5	Species for planting <i>Robinia</i> 30ys	1,291			1,291	16.5		12.4	16	
total		357.7		68,391		7,999	60,392		132		749	
<i>Robinia</i> under 20ys F10	2	Strong	4.2	<i>Robinia, Others</i> 30ys	1,399	30	420	979	16.5	7	12.4	12
		Moderate	0.5	Species for planting <i>Robinia</i> 30ys	127	27	34	93	16.5	1	12.4	1
	3	Strong	48.5	<i>Robinia, Others</i> 30ys	11,592	18	2,086	9,505	16.5	34	12.4	118
		Moderate	9.5	Species for planting <i>Robinia</i> 30ys	1,872	14	262	1,609	16.5	4	12.4	20
	4	Strong	46.6	<i>Robinia, Others</i> 30ys	8,435	2	169	8,266	16.5	3	12.4	102
		Moderate	14.9	Species for planting <i>Robinia</i> 30ys	2,020	2	40	1,979	16.5	1	12.4	25
	5	Strong	75.0	<i>Robinia, Others</i> 30ys	7,875			7,875	16.5		12.4	98
		Moderate	7.1	Species for planting <i>Robinia</i> 30ys	557			557	16.5		12.4	7
total		206.2		33,875		3,012	30,864		50		383	

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Present Stand	Site Index	Damage Grade	Actual Regeneration Area ha	Regeneration Method Target Period	Target Unit Stock m ³ /ha	For Wood Industry		Another Use	For Wood Industry		Another Use	
						%	Volume m ³	Volume m ³	Unit Cost	Appraised value	Unit Cost	Appraised value
Robinia above 20ys F11	4	Strong		Q.cerris frai. 120ys								
		Moderate	1.8	Species for planting Q.ce.fr. 120ys	257	31	80	178	200	16	13.9	2
	total		1.8		257		80	178		16		2
Robinia under 20ys F12	5	Strong	2.5	Q.cerris frai. 120ys	525	20	105	420	200	21	13.9	6
		Moderate		Species for planting Q.ce.fr. 120ys								
	total		2.5		525		105	420		21		6
Populus spp. F13	1	Strong	1.1	Q.robur, others 120ys	977	61	596	381	200	119	13.9	5
		Moderate		Populus alba 30ys								
	2	Strong	4.1	Q.robur, others 120ys	3,071	59	1,812	1,259	200	362	13.9	18
		Moderate	0.7	Populus alba 30ys	280	23	64	216	16.0	1	10.6	2
	3	Strong	4.9	Q.robur, others 120ys	2,984	56	1,671	1,313	200	334	13.9	18
		Moderate	2.1	Populus alba 30ys	607	20	121	486	16.0	2	10.6	5
	4	Strong	7.0	Q.robur, others 120ys	3,395	51	1,731	1,664	200	346	13.9	23
		Moderate	0.5	Populus alba 30ys	93	17	16	77	16.0	0	10.6	1
	5	Strong		Q.robur, others 120ys								
		Moderate	4.9	Populus alba 30ys	524			524	16.0		10.6	6
total		25.3		11,931		6,012	5,919		1,165		78	
Total			2454.2		716,731		241,675	475,056		46,277		6,462
Sum Total			3314.2		1,019,527		363,550	655,977		71,176		9,030

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By Planting Species							
1936.5	Quercus	633,284	239,222	394,062		48,463	5,537
563.9	Robinia	102,266	11,010	91,255		182	1,132
8.2	Populus	1,504	202	1,302		3	14
2508.5	Total	737,054	250,434	486,620		48,648	6,682

<Total>

By Planting Species							
2719.3	Quercus	911,204	351,820	559,384		70,982	7,835
585.2	Robinia	106,356	11,436	94,920		189	1,177
9.8	Populus	1,966	294	1,672		5	18
3314.2	Total	1,019,527	363,550	655,977		71,176	9,030